

The Yards, Duddingston Village , Edinburgh



A National Trust for Scotland Report

April 2008

Produced by



Buildings Archaeologist and Heritage Consultant

Traprain House
Luggate Burn
Whittinghame
East Lothian
EH41 4QA

T : 01620 861643

E : info@bajr.org

Table of Contents

Buildings Archaeologist and Heritage Consultant	1
1.0 SUMMARY	2
2.0 INTRODUCTION	2
3.0 OBJECTIVES	4
4.0 METHODOLOGY	4
5.0 RESULTS	7
5.1 Wall 1 (south and north elevations) (Fig. 3 & 4)	7
5.2 Wall 2 (east elevations) (Fig. 5)	7
5.3 Wall 3 (south elevations) (Fig. 6)	8
5.4 Wall 4 (east and west elevations) (Fig. 7)	8
5.5 Wall 5 (south elevations) (Fig. 8)	8
5.6 Wall 6	8
5.7 Wall 7	9
5.8 Wall 8 (lower and upper sections) (west elevations) (Fig. 9 & 10)	9
5.9 Wall 9 (south and north elevations) (Fig. 11)	9
5.10 Wall 10 (east elevation) (Fig. 12)	10
5.11 Wall 11 (east elevation) (Fig. 13)	10
5.12 Wall 12	10
5.13 Wall 13 (north elevation) (Fig. 14)	10
5.14 Wall 14 (south elevation) (Fig. 15)	11
5.15 Wall 15 (south elevation) (Fig. 16)	11
5.16 Wall 16 (east elevation) (Fig. 17)	11
5.17 Wall 17	11
5.18 Wall 18 (east elevation) (Fig. 18)	11
5.19 Wall 19	11
5.20 Wall 20	11
5.21 Wall 21	11
5.22 Wall 22 (east elevation) (Fig. 19)	12
5.23 Wall 23 (east elevation) (Fig. 20)	12
5.24 Wall 24 (north internal elevation) (Fig. 21)	13
5.25 Wall 25 (east internal elevation) (Fig. 22)	13
5.26 Wall 26	13
5.27 Building 1 (Fig. 2)	13
5.28 Building 2 (Fig. 2)	13
5.29 Building 3 (Fig. 2)	13
5.30 Building 4 (Fig. 2)	14

6.0	CONCLUSIONS	14
6.1	The levels	14
6.2	The main influences on the constructional history	15
6.3	Highlighted structures, features and elevations	17
6.4	General Recommendations	18

ILLUSTRATIONS

Figure 1: Location plan.

Figure 2: Site Plan

Figure 3: Wall 1 (north)

Figure 4: Wall 1 (south)

Figure 5: Wall 2

Figure 6: Wall 3

Figure 7: Wall 4

Figure 8: Wall 5

Figure 9: Wall 8 (lower)

Figure 10: Wall 8 (upper)

Figure 11: Wall 9

Figure 12: Wall 10

Figure 13: Wall 11

Figure 14: Wall 13

Figure 15: Wall 14

Figure 16: Wall 15

Figure 17: Wall 16

Figure 18: Wall 18

Figure 19: Wall 22

Figure 20: Wall 23

Figure 21: Wall 24

Figure 22: Wall 25

Figure 23: Roy Military Survey of Scotland, 1747-1755

Figure 24: Stranger 1805

Figure 25: OS Edinburgh Town 1876-7 Duddingston

Figure 26: Bartholomew's Plan of the City of Edinburgh with Leith & Suburbs 1893

Figure 27: Edinburgh Post Office Map Duddingston 1915

Figure 28: Edinburgh, Duddingston 1940

Figure 29: General phases

PLATES

Plate 1: Gateway [8006] connecting Level 1 garden to hawthorn Brae Property.

Plate 2 : Three phases of Wall 8 lower, from 18th – late/mid 19th century

Appendix 1: Photo List (phase 1)

Appendix 2: Photo List (phase 2)

Appendix 3: Photo List (phase 3)

Appendix 4: Context List

Appendix 5: DES entry

1.0 SUMMARY

- 1.1 An archaeological building record of standing structures and walls within the area known as the Stables, Duddingston was required prior to repair, consolidation and rebuild. Robin Turner of the National Trust for Scotland commissioned these works to be undertaken in November 2007 – April 2008, and the scope was restricted to sections of wall to be affected by remedial works. (Fig. 1).
- 1.2 The work will inform reconstruction and consolidation of the existing wall to the original height and ensure details of brickwork and stonework is correct. It will also give the opportunity to understand the development of the site from the 18th -century to the present day.
- 1.3 Further recording work will not be required, however the entire garden is requiring a more detailed interpretation involving a broader historical research into the surrounding properties.

2.0 INTRODUCTION

2.1 Site location

The site is at Duddingston Village, Edinburgh, site centered at NT283 727. It consists of a number of structures (ruined or partly ruined) and both free standing and revetment walls on 3 distinct levels of terrace. The site lies between the properties of Bella Vista to the west and Hawthorn Brae to the east. The south is bounded by the Causeway, which was the original thoroughfare through the village and to the north by the slopes of Arthur's Seat and the Queens Park. (Fig. 1).

2.2 Site History

A full statement of the Cultural Significance is available in the report; '*Statement of Cultural Significance The Yards, Duddingston Village, Edinburgh*' by Dorothy Bell, September 2007.

A general history of the site was required to place the following recording work into immediate context and to allow for the allocation of phases to the present site structures and features.

The village of Duddingston has existed on the site since the 12th -century at least (and rich prehistoric remains have also been found in the loch and on the slopes of the hill), today's settlement is largely the result of an early 19th -century development scheme of the feudal superior, the holder of the Duddingston estate. By the late 18th -century, the once thriving, village was in drastic decline. As a small designed village on an English model, the prior village was demolished except a few structures such as the Sheep Heid Inn, the Kirk and some buildings to the east. All standing remains we deal with in the site are of 18th -century or later date [Phase 2 onwards]. The

Causeway formed the main street of Duddingston until a new route was created in the late 19th -century, bypassing the Causeway and linking Church Lane to the Queen's park to the west.

The Causeway

At the western corner of The Causeway is the B listed Sheep Heid Inn, which was established in the 14th century, but the current building dates from the 1850s.

The drive of Bella Vista is located off the west end of The Causeway. Bella Vista was built in 1801 and enlarged in 1875.

Along the north side of The Causeway the properties are generally located on the street front, while on the south side the properties are pushed back amongst small front gardens, with dwarf stone walls.

Hawthorn Brae (C listed), which is a two storey villa of the 1820s and the interplay between the Properties of Bella Vista to the West and Hawthorn Brae to the East play a major role in the site formation of the surveyed area, which lies between.

Located at the east end are single storey brick cottages that reflect the old weaver's cottages of the late 17th and 18th -centuries.

Also of note, though now sadly demolished, one Louis Cauvin built a small tower, just to the west of where the glasshouse is now. This three-storey edifice annoyed the then owners of Bella Vista, the Grahams, as not only did it intrude upon the privacy, but it also intruded into the neat space of their eastern boundary. (This can still be seen in the space now occupied by the greenhouse). The Tower was still standing at the beginning of the 20th -century, though Cauvin died in 1825.

3.0 OBJECTIVES

- 3.1 To record the walls and structures that will be affected by remedial works, and inform the rebuilds with evidence recovered from the record.

4.0 METHODOLOGY

- 4.1 The walls were photographed using a 10megapixel digital camera with a 2m ranging rod used for scale, a white horizontal/vertical string-line was used to ensure accuracy and orientation. A sketch pencil drawing of the outline of more complicated walls, and larger stonework was also recorded where required.
- 4.2 The wall photographs were rectified and used as the base for interpretation, a further site visit was conducted to enhance the drawn record.
- 4.3 A digital CAD plan of the site was created using a Sokia Set 3B total Station and Penmap software, which was manipulated in AutoCAD to produce an accurate baseplan.
- 4.4 The Site is divided into 3 Levels: (Fig 2)

Level 1 : the lower terrace from the Street to wall 5

Level 2: the middle terrace

Level 3: the upper terrace with the brick stables

All walls or elevations are given an individual number, and context features within each wall are numbered and prefixed with the wall number, thus, feature 8003 is wall 8 feature 003.

Some walls were numbered, but not recorded, due to a range of factors, such as accessibility issues, health and safety or the entire elevation being constructed as a single phase brick wall, such as the upper stables. They have been assigned numbers however, to ensure consistency.

4.5 The Phasing

Phase 1: Pre 18th -century cottages and back lots

Phase 2: 18th -century walls and land divisions

Phase 3: Later 18th -century alteration

Phase 4: Early 19th -century alterations and divisions

Phase 5: Mid-late 19th -century Dairy, stables and land divisions

Phase 6: 20th -century Dairy, stables and alterations

Phase 7: Present

This phasing is further discussed in Section 6

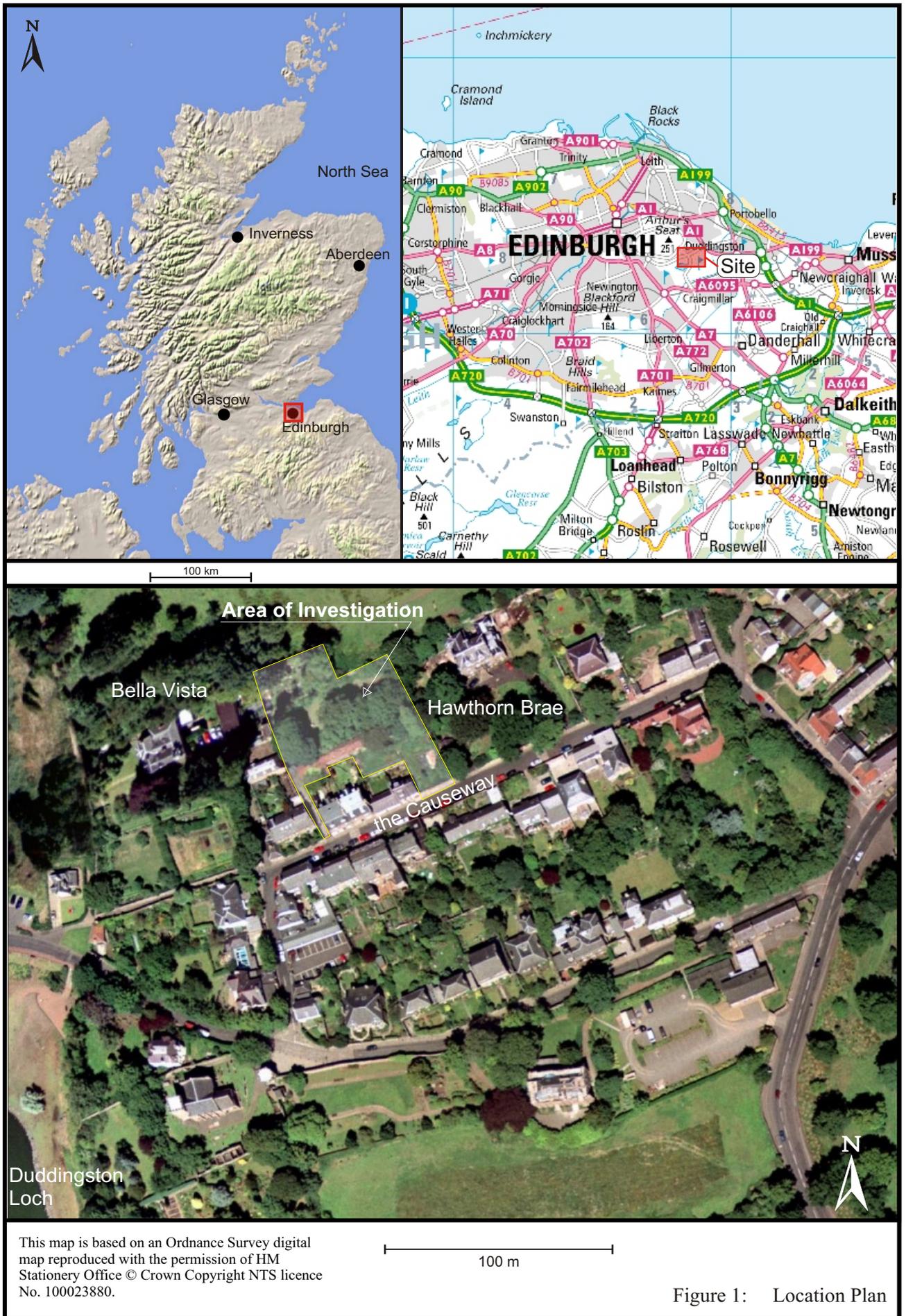


Figure 1: Location Plan

5.0 RESULTS

5.1 Wall 1 (south and north elevations) (Fig. 3 & 4)

The surveyed section covers both the external street elevation and the 'internal' elevation (north facing). The south facing elevation forms a unified façade of rectangular soft yellow sandstone blocks of various sizes [1005] forming a skin onto the earlier wall [1001]. The earlier wall is visible on the north facing elevation, and is built of a random rubblework with a creamy yellow course mortar. This section of walling is topped with a further 500mm of sandstone rubblework [1002], with several edge set sandstone blocks to provide the full height for the sandstone wallpaper [1005]. The entire wall is c. 350-400mm thick, and is capped by a flat topped and chamfered cope [1003] of hard quartzite sandstone.

Facing the wall from the street level, the west extremity of the wall has been cut by the insertion of a garage, but the remains of sandstone quoins [1007] point to the position of a gateway associated with the facing wall [1005]. Although clearly now out of position, the coping is topped at this end with the base of what may be either a balustrade base or a base fragment of a gate pier ball decorated capstone [1004]

The pedestrian entrance to Hawthorn Brae House forms the eastern extreme of the survey, and clearly the well dressed sandstone ashlarwork and decorative masonry surround for the gate [1006] is contemporary with both the sandstone facing wallpaper [1005] and the surviving gatepier [1007]

5.2 Wall 2 (east elevations) (Fig. 5)

The earliest wall [2001] of the elevation was the east wall of what is now the close and the angle of the top of this wall can be clearly defined. According to map evidence, this wall extended on to the north. Wall [2002] is also of sandstone rubble build, but creates a level wall head in the elevation, with a single simple doorway [2005] with sandstone surround penetrating the elevation (Room 1/1). The gatepier [2007] is contemporary with this wall raising, and must also relate to the truncation of the wall to the north, and the movement of gatepier from another location. The gatepier is of sandstone block construction with a flat slab cap, which itself is overlaid with the gable extension over [2002]. This gable extension [2003] is of poorly jointed and roughly coursed sandstone penetrated by a single central opening with a poorly constructed sandstone surround (the vertical surround is unstable in construction, being poorly tied into the surrounding stonework.), which leads to a loft space in the interior of the structure. To the south of the gable, there is a sign of further alteration to the south, with a large quoin [2006] and gap above, that may represent further construction to the south, into a structure (Room 1/3) now entered through a large opening to the south, from the close.

5.3 Wall 3 (south elevations) (Fig. 6)

The main structure of the elevation is a random rubble stone wall [3001] rising c. 3.30 metres from the floor surface to the wallhead, which is capped by a line of bricks along the length. This is acting as a retaining wall for the structure (1) after excavation of material from behind the retaining wall [5001] to the south. This wall is further extended or repaired to the east with another random rubble sandstone wall [3003] which terminates 4.44 metres before the east end of the structure. The quoins have been removed and replaced with bricks [3014]. There is then a step back of c. 0.20m before the wall continues to the east in brick [3002]. Along the whole length of the elevation there is a concrete render [3015] – 2.20m high, relating to the milking stalls represented by the scars for wooden stall dividers [3005] and ceramic feed/water troughs [3006] allowing for 22 animals to be accommodated at any one time. At wallhead level there are a number of small air vents with cast iron grills of various design [3007]-[3014]. However, at the extreme west end there is a window, bearing the remains of a fixed four pane window frame [3004] which predates the 'dairy phase'. The floor in this structure (Room 1/2) is similarly defined by a cobbled surface up to the line of the structure delineated by the end of the stone walling and removed quoins [3014].

5.4 Wall 4 (east and west elevations) (Fig. 7)

The wall is entirely made of industrial 20th -century brick [4002], and to the west, the wall is partly a retaining wall for Level 2 into which this gable end extends. On the interior west facing elevation there is a cement render that represents the stall divisions [4001]. A single window with segmental arch brick penetrates the gable with a two over one sash window [4003]. The interior elevation shows the scar of a simple machine cut wooden roof truss [4004] that supported a pantile roof. The interior is c. 1.0m deeper the exterior.

5.5 Wall 5 (south elevations) (Fig. 8)

The retaining wall between Levels 1 and 2 is a single build sandstone rubble wall [5001] capped with a flat sandstone coping that then slopes to the north with random rubble and brick, smoothed with mortar [5002]. Centrally there is a raggle line [5003] cut into the wall, which may be associated with a thin iron wire that runs vertically up the wall to a height of c. 0.60m - which suggests a cold frame structure. [5004] is a recent wooden stair and shed construction which has breached the upper section of the wall and connected Level 1 with Level 2.

5.6 Wall 6

Not surveyed, due to inaccessibility see photo for internal elevation

5.7 Wall 7

Not surveyed, due to inaccessibility see photo for internal elevation

5.8 Wall 8 (lower and upper sections) (west elevations) (Fig. 9 & 10)

The original 18th -century brick wall [8001] is constructed of four stretcher courses between each header course, following the angle of the slope in Level 1. At the extreme south end the brick work curves up in an ogee shape to meet the original height of wall 1. The bricks are set and pointed in a white mortar. The original coping was a stretcher course. [8002] is a further heightening of this wall again in hand made 18th -century bricks which raises the wall to the same height as the ogee end. The wall is then penetrated by a gate way [8005] which is constructed of well dressed sandstone jambs and lintels. The gate is a four frame wooden door with panels made from wrought iron in a floral design. The wall has been further heightened at this period with regular shaped 19th -century bricks [8003] to the height of the lintel. A further later repair in brick has been carried out at the north end of Level 1 [8007]. The final phase of this lower section is represented by a line of 20th -century bricks [8004] which indicate a garage structure to the east in the Hawthorn Brae property.

The wall line continues into Level 2 where the base is of random rubble construction, both sandstone and whin [refer to figure]. The wall head of which again follows the original slope of the ground. The brick wall above [8009] is of 19th -century date, formed of regular courses consisting of four to five stretcher courses before a header course. Half way along its length the wall steps down five courses before continuing to the north, and this may represent the location of the bowling green pavilion along the higher stretch of wall. The wall ends approximately five metres from the southern drop into Level 1. Behind this brick skin lies an 18th -century brick wall [8008] and this can also be seen to the north as [8010]. Applied to the brick wall [8010] is a mixture of mortar and industrial slag [8011]. On the wall directly behind an existing stone platform in the central area of the elevation, discoloration and elements of cement raggle for a small gable structure is visible [8012]. A final feature which may or may not be significant is a line of bricks [8013] with vitrified or glazed header ends.

5.9 Wall 9 (south and north elevations) (Fig. 11)

Random coursed retaining wall [9001] built from sandstone/whin stone and slaister pointed; forms northern part of this remaining land division. This continues to the south with a further coursed sandstone wall with cement pointing [9002]. A small area of infill is visible at the southern end [9003] where the wall has been cut through by the modern garage extension. The entire length has a cement coping [9004] and the wall head steps down from north to south at approximately the line where [9001] changes to [9002].

5.10 Wall 10 (east elevation) (Fig. 12)

The main wall construction is of roughly coursed sandstone blocks with a cream mortar [10001]. The eastern half of the wall is of poorly coursed rubble work of sandstone blocks [10002] which had been penetrated down to the property level to the south which had a brick threshold and is now blocked with sandstone. To the west the wall has been raised with random rubble that has been slaister pointed [10006]. A small infilling/raising has taken place adjacent to [10006] and is of random rubble with a cement coping [10004]. The final phase again at the extreme west is a mix of reused bricks [10005], which matches the wall raising on wall 11.

5.11 Wall 11 (east elevation) (Fig. 13)

The base of the wall is constructed of large sandstone angular blocks with smaller snecks between [11001] which is butted against the retaining wall [5001]. A further heightening of the wall is evidenced by around 30cm of smaller flat sandstone set in a pink cream mortar, above this are large end on bricks [11003] of late 18th -century industrial form, though it is clear that they are re-used. This level had flat sandstone coping along part of its length [11004] and matched the height of wall 10 when raised with [10006]. The final raising of the wall which must be contemporary with [10005] is of late 19th -century industrial bricks. The brick sections do not extend the full length of the wall and may represent a structure to the west.

5.12 Wall 12

Not drawn. Wooden post and wire fence, on line of land division.

5.13 Wall 13 (north elevation) (Fig. 14)

Dividing Level 2 from Level 3, this retaining wall is all one phase of random rubble build consisting of mainly whin with occasional sandstone [13001]. The large flat quartzite sandstone copes run the entire length and over lye the industrial waste [8011] that faced the property boundary of Hawthorn Brae. Two well dressed sandstone gate piers with pyramidal caps [13003 & 13004] have been inserted into the wall to allow access for carts up to Level 3. Further evidence for the vehicular use of the gate way is provided by a stone bollard [13005] on the east side of the gate way which would indicate the direction that carts would have taken. A cement raggle line [13006] is visible just to the east of [13003] on the north facing elevation. A further cement raggle line [13007] with a slight slope overlies gate pier [13004] and leads to a line of bricks [13011] directly beneath the coping stones. Evidence for the insertion of the gateway can be seen to the east with a rough rubble work repair [13010] and to the west with what appears to be a complete wall re build [13009] as the coping stones are slightly higher on this side. Further evidence that the gateway is an insert is provided by the presence of earlier gate hangers set into the sandstone piers that do not relate to the current wrought iron gates that have been strapped with metal bands to the gate piers. It seems the wrought iron gates defined the size of the new gateway.

5.14 Wall 14 (south elevation) (Fig. 15)

A random rubble sandstone and whin retaining wall [14001] which has been extended to the east by similar sandstone and whin rubble work wall [14002]. Wall [14001] is topped with a castellated sandstone cope [14003] that itself is raised by a recent brick work construction [14004] at the west end. This brick heightening relates to the construction of building 4, rooms 1 – 3. Within room 5 set into wall [14001] is a small sandstone gravestone with the inscription ‘SAM’.

5.15 Wall 15 (south elevation) (Fig. 16)

A 20th -century industrial brick wall 1.20m high which then rises steeply at the east end to 2.10m [15001]. The entire wall head is capped with a cement cope [15002].

5.16 Wall 16 (east elevation) (Fig. 17)

A 20th -century industrial brick wall forming the west end of room 4/4 rising 2.10m high [16001]. A possible opening has been blocked with brick of a similar type [16002]. At the north corner, at the base of the wall there is a small opening [16003] which has been hacked through for drainage purposes. A small squared section of quartz chipped harling [16004] approximately 0.70m square is located to the north of this elevation and is of unknown function. The wall head is capped with a cement cope. This structure {Room 4/4} has no evidence of being roofed.

5.17 Wall 17

Not drawn.

5.18 Wall 18 (east elevation) (Fig. 18)

This dividing wall between rooms 4/3 and 4/2 is constructed of a mix of 20th and 18th -century bricks [18001]. It is penetrated by a door way [18002] with a segmental arched lintel. A wooden door frame survives. This wall butts up against the retaining wall [14001] and matches the height of the brick work [14004]. This suggests that the entire building of 4 post dates the construction of retaining wall [14001].

5.19 Wall 19

Not drawn.

5.20 Wall 20

Not drawn.

5.21 Wall 21

Not drawn.

5.22 Wall 22 (east elevation) (Fig. 19)

Forming the boundary between the site and Bella Vista, wall [22001] is constructed of random whin rubble and mirrors the angle of the original slope. To the south the wall is of random sandstone rubble [22002] and is horizontal. There is a small inset to the wall [22003] 0.80m above ground level. Penetrating the wall is a gateway [22007]. To the south the jambs [22004] are of rough blocks of sandstone. There is a flat sandstone threshold resting upon bricks and to the north the original wall [22001] has been raised by a rough rubble and brick work infill [22005] to bring the height to the same as that on the south. The rounded coping [22008 & 22009] must have been re used from the original phase of the boundary wall. The gateway [22007] has been blocked with modern bricks [22006]. A further feature of unknown function is a brick blocked hole with two cast iron pipes penetrating the wall. At the extreme north their corner is constructed of well dressed sandstone blocks with a chamfer to approximately 1.60m in height. This provided access to a rear vennel behind Bella Vista.

5.23 Wall 23 (east elevation) (Fig. 20)

Wall [23001] is of roughly coursed sandstone and occasional whin, forming the east elevation of a structure within the Bella Vista property to the west. This is surmounted by four courses of brick with a concrete cope that has raised the structure [23004]. The south corner of this structure has a series of quoins [23007] of quartzite sandstone. To the north the wall [23003] of random sandstone rubble {which equates to 23002 in Level 3} has been built over during the construction of the structure previously mentioned above. The rounded sandstone copes [23008] equate to [22008] in Level 3. A gateway with cast iron gate has been formed with the south jambs being the northeast corner of the Bella Vista property structure. Gate piers [23008] are of well dressed sandstone ashlar blocks with pyramidal caps of similar design and form to those seen in wall 13. This has now been filled with well coursed rubble sandstone and whin blocking and flat sandstone copes, effectively closing access to the Bella Vista stables from the access vennel. To the north of the gate piers the wall [23001] has been raised on a slope rising to the north and the coping stones [23005] have pushed the cap stone of the northern gate pier off centre. A small aperture has been formed in this raised wall and is now filled with bricks [23006], this represented a small sloping lean to structure to the north of the Bella Vista outbuilding. The wall [23010] of rubble build sandstone and whin with flat sandstone coping connects the southern gate pier to a further structure in the Bella Vista property to the south. The pitched roof stable block in the Bella Vista property is represented in this elevation by a roughly coursed sandstone wall [23013] penetrated by a single window [23011] of 2x2 pane, sash and case design, the surrounding margins are of well dressed sandstone with chamfered corners. The slate roof slopes away from the elevation to join the rest of the stable structure. Gate pier [23012] which matches gate pier [2007] to the east is of sandstone block work with a flat cap stone and bears evidence of being re-built into this location.

5.24 Wall 24 (north internal elevation) (Fig. 21)

The lower stone wall of this elevation is formed of roughly coursed sandstone blocks [5001] and was originally the terrace retaining walls between Levels 1 & 2. Formed of industrial brick [24001] this section of walling raises the elevation to a height where the area to the north can be enclosed as a structure. Off centre to this brick walling is an unusual feature [24002] with definite defined sides that itself is a brick infilling and brick header course/lintel. Its function is unknown. A series of joist holes [24003] can be recognized along this section of elevation, possibly representing a first floor platform. Due to the irregularities in the east/west boundaries of the properties, this section of elevation is set slightly further to the south than that to the west, which necessitated an angled join [24004] of brick. Patches of cement render can be found on the wall [24005] to a height of 2m. The rest of the elevation is of a single build of industrial brick [24006] which is penetrated with three air vents with cast iron grills [24007, 24008 & 24009] at wall head height. Two further small blocked openings are found nearer ground level [24010 & 24011]. At the extreme west end of this elevation there is a large opening with massive wooden beam lintel and the remnants of a sliding door mechanism.

5.25 Wall 25 (east internal elevation) (Fig. 22)

[25001] is the gabled west end of room 1/2 and is built of industrial brick. This is rendered in cement [25002] and white washed. The scar of an A – framed roof truss is visible in the gable.

5.26 Wall 26

Recorded with photograph.

5.27 Building 1 (Fig. 2)

This structure is currently known as The Dairy, however, it is a sequence of structures of which this is its final function. The original square building room 1/1. Two separate structures within room 1/2 and a final extension to the east and south room 1/3.

5.28 Building 2 (Fig. 2)

Nothing remains of building 2, but the current owner of the Bella Vista property (perrs com.) remembers a small wooden garden house in this location of 20th -century date.

5.29 Building 3 (Fig. 2)

A central area of the elevation 8 upper bears witness to the location of the bowling green pavilion (see above). There is no evidence other than this to suggest the form or construction of this structure. The surviving remains are

of a small pitched roofed structure some 2m wide with a flat stone area extending from the wall to the west with two broad stone steps leading up to this platform.

5.30 Building 4 (Fig. 2)

Given the nature of the construction of this building it is clear that this represents a 20th-century stables with evidence for six stalls. Rooms 4/5 to 4/7 and a further room 4/8 which may also have been stalls but is too badly damaged to confirm. These rooms are only recognizable from their concrete floors bearing evidence of upright wooden posts for a wooden structure. Rooms 4/1, 4/2 & 4/3 would doubtless have been tack rooms etc. and room 4/4 with its unusual elevation (see elevation 15 above is of unknown function but unusually had a quarry tiled floor surface and a drain. Given the map evidence and the fact it is built against a 20th-century retaining wall (elevation 14) this is a very late structure in the development of the site.

6.0 CONCLUSIONS

Phasing

Phase 1: Pre 18th century cottages and backlots

Phase 2: 18th century walls and land divisions

Phase 3: Later 18th century alteration

Phase 4: Early 19th century alterations and divisions

Phase 5: Mid-late 19th century Dairy, stables and land divisions

Phase 6: 20th century Dairy, stables and alterations

Phase 7: Present

6.1 The levels

The site known as 'The Yards' is broadly defined by the three terraces or levels which form three distinct areas within the property.

Level 1 can be understood as the original 18th-century improvement terrace, where prior to this backlots would have swept up to the north from the Causeway. A necessity for this terracing, which would have removed all pre 18th-century traces would have been the construction of the high retaining wall (wall 5).

The construction of wall 5 also produces the second terrace, **Level 2** though this remains undeveloped until the mid – late 19th-century. By 1893 Level 2 is being used as a bowling green with access both from the vennel and potentially Bella Vista. Also during period 5 wall 13 has been constructed defining the northern boundary of Level 2, and has been created in line with the rear wall of Hawthorn Braes property.

Behind this wall a structure that is tentatively interpreted as stables has

appeared (Fig. 26) which is connected to the Bella Vista property by a path or track. Level 3 is only further developed in the 20th -century, with a gateway inserted into wall 13 to allow access from the vennel. The Bella Vista 'stable' is replaced with a brick structure (Building 4) which is more confidently interpreted as a stable block.

In broad terms the levels can be assigned the following periods of creation and use:

Level 1 = Phase 2; Level 2 = Phase 5; and Level 3 = Phase 6

Using these broad periods of construction it was possible to interperate the built heritage of the site with regard to both the physical remains that were investigated and the historic research carried out by Dorothy Bell in September 2007, contained within her *statement of cultural significance, The Yards, Duddingston Village, Edinburgh*.

6.2 The main influences on the constructional history

The development of 'The Yards' is in the main due to the influences of seven individuals. They are James Hamilton, 8th Earl of Abercorn (1712 – 1789), The Grahams of Bella Vista (1803 – 1893), The Scotts and Logans of Hawthorn Brae (1817 – 1876), an unusual individual Louis Cauvin (1800s), and finally the Mackies of Bella Vista (1876 – 1950s) and the Sansons of Hawthorn Brae (1876 – 1950s).

James Hamiltons impact upon the site was considerable. Having recently constructed his elegant villa of Duddingston House in 1763, he purposely demolished and re-built Duddingston on an English model, leaving only the Kirk, The Sheep Heid Inn and a small group of houses to the east. Therefore, all surviving structures in the site area will not pre-date this late 18th-century improvement (Fig. 29).

The lands of Bella Vista to the west are formalized by the construction of the main house in 1803 and the Hawthorn Brae property in 1817 to the east formed the distinct boundaries and the subsequent alterations of the site. The area of 'The Yards' was at this time belonging to the Scotts of Hawthorn Brae and seems to have been used as a kitchen garden. It is interesting to note that five plots were purchased by the Scotts south of the Causeway to ensure no building could take place opposite their own house.



Plate 1 Gateway [8006] connecting Level 1 garden to Hawthorn Brae Property.

Louis Cauvin had acquired land in Duddingston to the west of the site which cut into the Bella Vista property, and much to the consternation of the Grahams built a tower in which he lived. This tower survived to the end of the 19th -century and it lay directly to the west of where

the current greenhouse stands at the top of the vennel. The vennel was

essential for access to Cauvin's Tower, and it is only later that access from the vennel to both Level 2 and the Bella Vista property was opened up. Access to Level 1 would originally have been achieved from the rear of Hawthorn Brae Cottage however, by 1849 the gateway in wall 8 lower connects Hawthorn Brae into this L-shaped space and the Grahams have acquired the land to the west of Hawthorn Brae Cottage (to the east of the vennel) including what is now the area which includes the structure known as 'The Dairy'.

In 1876 both Bella Vista and Hawthorn Brae passed to new owners, The Mackies and The Sansons respectively. It is the Mackies we can assume that first utilized the area of 'The Dairy' for that function at some point in the 1890s. The 1890s census indeed records a dairyman and his family living at this location. Mr. Mackie himself had made his money as a brewer at the St. Leonards Brewery. Access to Level 2 had also been created and the area utilized as a bowling green (Fig. 26). It seems that the Level 1 garden area continued to be part of the Hawthorn Brae property though access from the side of Hawthorn Brae Cottage has by this time ceased (this is evidenced by the blocking around about 1890 of the gate in wall 10 [10003]).

From the 1950s onwards the properties of Bella Vista and Hawthorn Brae begin to break up and the ownership becomes complex and best described in Dorothy Bell's report (pages 18-19). It is more than likely that Building 4 (the stables) dates to this period when Level 3 is transformed into a paddock, and Level 2 is transformed into a tennis court.

The final uses of the three levels in Phase 6 would have been
Level 1 kitchen garden
Level 2 tennis court
Level 3 paddock and stables

The dairy itself, given the nature of the internal fittings and the evidence that a current resident of Duddingston worked there, shows that it was still in use at least until the beginning of the 1960s

6.3 Highlighted structures, features and elevations

Several elevations and features warrant further discussion as they are valuable in both the interpretation of the site history and the understanding of the cultural significance that they provide.

Wall 1 which fronts the Causeway is of high significance due to its unified façade that defines the property of Hawthorn Brae. The original wall [1001] is completely masked by a yellow sandstone façade [1005] which stretches the entire length of the property. A gateway from this 19th-century façade has been removed by the addition of a modern garage but is still evidenced by a series of quoins [1007].

The dividing wall 8 between the site and the Hawthorn Brae property contains within it three important phases that relate to the site. [8001] is the original late 18th-century property division created by James Hamilton the 8th Earl of Abercorn, which contains a very typical for the period swept ogee terminus at its south end. Later heightening of the walls is clearly visible and the insertion of the gateway [8006] in the mid 19th-century provides evidence for the reorganization and ownership of this lower level. The upper section of wall 8 in Level 2 also clearly indicates changes of both ownership and use with the original late 18th-century wall [8008 & 8010] visible behind the 19th-century skin wall and the use of industrial waste [8011] as both decorative and anti intruder properties. Evidence of the function of Level 2 in the later 19th-century as a bowling green and later a tennis court in the 20th-century can be seen in the new brick wall skin of [8009] and the trace surviving elements of a small pavilion [8012].



Plate 2 Three phases of Wall 8 lower, from 18th – late/mid 19th century

Wall 13 clearly marks until the 20th-century a northern limit to the site and it may only be in the later 19th or more likely 20th-century that the wall is breached to provide access to the stables beyond. The re-use of the cast iron gates at the entrance to Level 3 is of interest though a provenance for this feature is unclear.

The dividing wall between the Bella Vista and this site provides several clues to phases when this site was owned by the Bella Vista residents and when access became rather more limited. The gate piers [23008] would once have allowed access from the vennel into the Bella Vista stables though this is now blocked. Similarly, the construction of gate pier [23012] shows when access from the vennel was opened, at a date when Bella Vista had acquires Cauvin's old property. The original open access at Level 3 has

been superceded by the sandstone wall [22003], though later a small gateway was opened which again has been blocked in the 20th -century. Currently access between the properties is now limited to a single gate [23002]. Much of the wall in Level 2 is created by the elevations of buildings now firmly within the Bella Vista property.

Building 1 is best described by the elevations 2 & 3. Elevation 2 clearly shows a sloping stone-built wall that would have originally represented the plot divisions. This has then increased in height [2002] and a doorway added [2005] into what appears to be an open roofed structure. Gate pier [2007] has also been added to the north corner, now allowing access from the vennel into Level 2. A later stone-built gable [2003] converts the open roofed structure into a roofed building which must relate to the original dairy phase. This original dairy did not extend the full length of the present structure and the cobbled floor and slabbed drain both terminate at the brick repair [3014], this repair was necessitated by the removal of what must have been the original gable end. The dairy extended to the east in the 20th -century in brick [3002], and it is from this period that the cement render and scars where the stalls were located date. Examination of the roof trusses suggest the entire building was re-roofed at this period though it is possible that the pantiles were re-used. There is no evidence for more modern dairy practices and subsequent conversion to meet the new standards of milk production that may indicate that the dairy does not continue in use into the latter half of the 20th -century. The brick built extension room 1/3 has a motor inspection pit where the vehicle would enter through a wooden double door leading in from the vennel, and this may relate to a change in function. Building 4 is a single phase of construction with brick buildings to the west and what must have been wooden stables to the east. As Level 3 was used as a paddock in the post 1950s period it is safe to assume that building 4 in its entirety relates to this very late usage. The insertion in the rear wall of an animal's memorial stone seems again to be a late 20th -century artefact and will no doubt relate to a favourite horse from the stables. Given the late date of the stables and the possible prior closure of the dairy it is not possible to connect the two structures.

6.4 General Recommendations

The purpose of this report is to record in detail the features and elements identified within the various elevations of the site, and place them within their chronological and stratigraphical context. The archaeological examination of the site and the highlighting of specific features has been used to inform the ongoing process of consolidation and other remedial works. It is within the remit however to highlight certain elements which should be considered during the ongoing works at the sight.

The most important and highly visible element is that of wall 1 which fronts the Causeway. The original intention of this wall was to create a unified façade stretching the full length of the Hawthorn Brae property. This wall was only breached by two carriage entrances directly in front of the villa

and a single pedestrian entrance [1006] directly to the east of the surveyed site. At the extreme west of the wall [1005] was a further entrance into the rear of the Hawthorn Brae Cottage property. Careful consideration should be given to the insertion of any further entrances, as currently the entire original design is intact. It is recommended that this façade remains intact. However, should it prove necessary to insert a further gateway, this should be done in keeping with the original 1817 design. Wall 8, the property division to the east and the Hawthorn Brae Villa contains a microcosm of the entire site history. Both the form of bricklaying, the mortar used, the heights of the walls and the materials are all important elements that should be considered in any remedial works. There is a danger that any re-building could however unintentionally remove or significantly alter features that add considerable weight to the significance of the property. These range from the swept ogee termination of the wall at the south end, the clear sign of insertion of the gateway [8006] and also the extent and form of the later 19th -century walling on Level 2.

Similarly, the property division between Bella Vista and the site relates closely to the historical record of both Bella Vista and the use of this property. Materials used in each section of the wall give clear indicators to the chronology of use and should be matched if any significant works are carried out. The dairy itself should be considered in its own right as a building that defines this property in the 19th and early 20th -century. The location of each brick, especially that in the unusual construction of the south elevation at the east end must be taken into consideration and if any significant down-taking occurs, re-building should replicate current elevation structure. The floor surface of the dairy must also be considered if any new surface was to be imposed, as it too clearly shows the phasing and use of the building.

Although of late date the stables, building 4 are just as much a part of the history of the site as the 18th -century walls, and should be considered as integral to the site development. Level 2 has a flat garden area, which again represents a developmental history of the site being both a bowling green and latterly a tennis court; due consideration should be given to retaining the open nature of this area. The tree line south of Level 2 seems to have been a feature since the late 18th -century and is therefore integral to the overall cultural significance of this space.

The site has seen several developments over its life, a process of alterations, new walls, buildings and functions. It is due to this continuing development that the site has developed its own unique character. This new phase of works may best be described as a continuation of the history of 'The Yards'. With due regard to the historical evolution it may be possible to continue the development into the future.

David Connolly April 2008

Appendix 1 Photo Register (phase 1)

Photo ID	Digital	Description	Direction from	Date
1	Duddingston_001	Wall 2 elevation, lower section & gate pier – north end	W	20/11/2007
2	DCG_07_002	Wall 2 elevation, upper section – north end	W	20/11/2007
3	DCG_07_003	Wall 2 elevation, lower section – south end	W	20/11/2007
4	DCG_07_004	Wall 2 elevation, upper section – south end	W	20/11/2007
5	DCG_07_005	Wall 1, south facing onto causeway	S	20/11/2007
6	DCG_07_006	Wall 1, south facing onto causeway	S	20/11/2007
7	DCG_07_007	Wall 1, south facing onto causeway	S	20/11/2007
8	DCG_07_008	Wall 1, south facing onto causeway	S	20/11/2007
9	DCG_07_009	Wall 1, south facing onto causeway	S	20/11/2007
10	DCG_07_010	Wall 1, south facing onto causeway	S	20/11/2007
11	DCG_07_011	Wall 1, south facing onto causeway	S	20/11/2007
12	DCG_07_012	Wall 1, south facing onto causeway	S	20/11/2007
13	DCG_07_013	Wall 1, south facing onto causeway	S	20/11/2007
14	DCG_07_014	Wall 1, south facing onto causeway	S	20/11/2007
15	DCG_07_015	Wall 1, north facing	N	20/11/2007
16	DCG_07_016	Wall 1, north facing	N	20/11/2007
17	DCG_07_017	Wall 1, north facing	N	20/11/2007
18	DCG_07_018	Wall 1, north facing	N	20/11/2007
19	DCG_07_019	Wall 1, north facing	N	20/11/2007
20	DCG_07_020	Wall 1, north facing	N	20/11/2007
21	DCG_07_021	Wall 1, north facing	N	20/11/2007
22	DCG_07_022	Wall 1, north facing	N	20/11/2007
23	DCG_07_023	Wall 8, west facing – south section	W	20/11/2007
24	DCG_07_024	Wall 8, west facing – south section	W	20/11/2007
25	DCG_07_025	Wall 8, west facing – south section	W	20/11/2007
26	DCG_07_026	Wall 8, west facing – south section	W	20/11/2007
27	DCG_07_027	Wall 8, west facing – south section	W	20/11/2007
28	DCG_07_028	Wall 8, west facing – south section	W	20/11/2007
29	DCG_07_029	Wall 8, west facing – south section	W	20/11/2007
30	DCG_07_030	Wall 8, west facing – south section	W	20/11/2007
31	DCG_07_031	Wall 8, west facing – south section	W	20/11/2007
32	DCG_07_032	Wall 8, west facing – south section	W	20/11/2007
33	DCG_07_033	Wall 8, west facing – south section	W	20/11/2007
34	DCG_07_034	Wall 8, west facing – south section	W	20/11/2007
35	DCG_07_035	Wall 8, west facing – south section	W	20/11/2007
36	DCG_07_036	Wall 8, west facing – south section	W	20/11/2007
37	DCG_07_037	Door in Wall 8 – west facing	W	20/11/2007
38	DCG_07_038	Metal Door Plate Wall 8 – west facing	W	20/11/2007
39	DCG_07_039	Foot scraper Wall 8 – west facing	W	20/11/2007
40	DCG_07_040	Wall 5, south facing	S	22/11/2007
41	DCG_07_041	Wall 5, south facing	S	22/11/2007
42	DCG_07_042	Wall 5, south facing	S	22/11/2007
43	DCG_07_043	Wall 5, south facing	S	22/11/2007

The Yards, Duddingston Village, Edinburgh

Photo ID	Digital	Description	Direction from	Date
44	DCG_07_044	Wall 5, south facing	S	22/11/2007
45	DCG_07_045	Wall 5, south facing	S	22/11/2007
46	DCG_07_046	Wall 5, south facing	S	22/11/2007
47	DCG_07_047	Wall 5, south facing	S	22/11/2007
48	DCG_07_048	Wall 5, south facing	S	22/11/2007
49	DCG_07_049	Wall 5, south facing	S	22/11/2007
50	DCG_07_050	Wall 5, south facing	S	22/11/2007
51	DCG_07_051	Wall 5, south facing	S	22/11/2007
52	DCG_07_052	Wall 5, south facing	S	22/11/2007
53	DCG_07_053	Wall 5, south facing	S	22/11/2007
54	DCG_07_054	Wall 5, south facing	S	22/11/2007
55	DCG_07_055	Wall 5, south facing	S	22/11/2007
56	DCG_07_056	Wall 5, south facing	S	22/11/2007
57	DCG_07_057	Wall 5, north facing	N	22/11/2007
58	DCG_07_058	Wall 5, north facing	N	22/11/2007
59	DCG_07_059	Wall 5, north facing	N	22/11/2007
60	DCG_07_060	Wall 5, north facing	N	22/11/2007
61	DCG_07_061	Wall 5, north facing	N	22/11/2007
62	DCG_07_062	Wall 5, north facing	N	22/11/2007
63	DCG_07_063	Wall 5, north facing	N	22/11/2007
64	DCG_07_064	Wall 5, north facing	N	22/11/2007
65	DCG_07_065	Wall 5, north facing	N	22/11/2007
66	DCG_07_066	Wall 5, north facing	N	22/11/2007
67	DCG_07_067	Wall 5, north facing	N	22/11/2007
68	DCG_07_068	Wall 5, north facing	N	22/11/2007
69	DCG_07_069	Wall 4, east facing brick gable end lower section – west end	E	22/11/2007
70	DCG_07_070	Wall 4, east facing brick gable end lower section – west end	E	22/11/2007
71	DCG_07_071	Wall 3, north facing	N	22/11/2007
72	DCG_07_072	Wall 3, north facing	N	22/11/2007
73	DCG_07_073	Wall 3, north facing	N	22/11/2007
74	DCG_07_074	Wall 3, north facing	N	22/11/2007
75	DCG_07_075	Wall 4, gable end	E	22/11/2007
76	DCG_07_076	Wall 5, south facing brick upper section	S	22/11/2007
77	DCG_07_077	Wall 5, south facing brick upper section	S	22/11/2007
78	DCG_07_078	Wall 5, south facing brick upper section	S	22/11/2007
79	DCG_07_079	Wall 5, south facing brick upper section	S	22/11/2007
80	DCG_07_080	Detail of butt joint & cold frames at corner of Wall 5 and west Wall 11	SE	22/11/2007

The Yards, Duddingston Village, Edinburgh

Photo ID	Digital	Description	Direction from	Date
81	DCG_07_081	Vent in Wall 3 – 2 nd from east	N	22/11/2007
82	DCG_07_082	Vent in Wall 3 – 1 st from east	N	22/11/2007
83	DCG_07_083	Wall 8, north section – west facing	W	22/11/2007
84	DCG_07_084	Wall 8, north section – west facing	W	22/11/2007
85	DCG_07_085	Wall 8, north section – west facing	W	22/11/2007
86	DCG_07_086	Wall 8, north section – west facing	W	22/11/2007
87	DCG_07_087	Wall 8, north section – west facing	W	22/11/2007
88	DCG_07_088	Wall 8, north section – west facing	W	22/11/2007
89	DCG_07_089	Wall 8, north section – west facing	W	22/11/2007
90	DCG_07_090	Wall 8, north section – west facing	W	22/11/2007
91	DCG_07_091	Wall 8, north section – west facing	W	22/11/2007
92	DCG_07_092	Wall 8, north section – west facing	W	22/11/2007
93	DCG_07_093	Wall 8, north section – west facing	W	22/11/2007
94	DCG_07_094	Wall 8, north section – west facing	w	22/11/2007
95	DCG_07_095	Wall 8, north section – west facing	W	22/11/2007
96	DCG_07_096	Wall 8, north section – west facing	W	22/11/2007
97	DCG_07_097	Wall 5, north facing, detail of cope		22/11/2007
98	DCG_07_098	Wall 5, north facing, view along cope		22/11/2007
99	DCG_07_099	Wall 5, north facing, cross section of wall		22/11/2007
100	DCG_07_100	Wall 16, east facing	E	22/11/2007
101	DCG_07_101	Elevation 18, east facing	E	22/11/2007
102	DCG_07_102	Wall 16, interior showing blocked window	E	22/11/2007
103	DCG_07_103	Lost shot	E	22/11/2007
104	DCG_07_104	Wall 10, north facing	N	22/11/2007
105	DCG_07_105	Wall 10, north facing	N	22/11/2007
106	DCG_07_106	Wall 3, east end	N	22/11/2007
107	DCG_07_107	Wall 10, north facing	N	29/11/2007
108	DCG_07_108	Wall 10, north facing	E	29/11/2007
109	DCG_07_109	Wall 10, north facing	N	29/11/2007
110	DCG_07_110	Wall 10, north facing	N	29/11/2007
111	DCG_07_111	Wall 10, north facing	N	29/11/2007
112	DCG_07_112	Wall 10, north facing	N	29/11/2007
113	DCG_07_113	Wall 9, east facing	E	29/11/2007
114	DCG_07_114	Wall 9, east facing	E	29/11/2007
115	DCG_07_115	Wall 9, east facing	E	29/11/2007
116	DCG_07_116	Wall 9, east facing	E	29/11/2007

The Yards, Duddingston Village, Edinburgh

Photo ID	Digital	Description	Direction from	Date
117	DCG_07_117	Wall 9, east facing	E	29/11/2007
118	DCG_07_118	Wall 8, lower section, break in build between 8001 & 8002	W	29/11/2007
119	DCG_07_119	Wall 8, lower section, break in build between 8001 & 8002	W	29/11/2007
120	DCG_07_120	Wall 8, lower section, break in build between 8002 & 8003	W	29/11/2007
121	DCG_07_121	Wall 8, lower section, break in build between 8002 & 8003	W	29/11/2007
122	DCG_07_122	Wall 8, lower section, detail showing gate insertion	W	29/11/2007
123	DCG_07_123	Wall 8, lower section, detail showing gate insertion	W	29/11/2007
124	DCG_07_124	Wall 11, east facing	E	29/11/2007
125	DCG_07_125	Wall 11, east facing	E	29/11/2007
126	DCG_07_126	Wall 11, east facing	E	29/11/2007
127	DCG_07_127	Wall 11, east facing	E	29/11/2007
128	DCG_07_128	Wall 11, east facing	E	29/11/2007
129	DCG_07_129	Wall 11, whole wall	E	29/11/2007

Appendix 2 Photo Register (phase 2)

Photo ID	Digital	Description	Direction from	Date
1	DCG08_001	General view of Dairy before clearance	N	05/02/2008
2	DCG08_002	General view of Dairy before clearance	N	05/02/2008
3	DCG08_003	General view of Dairy before clearance	N	05/02/2008
4	DCG08_004	General view of Dairy before clearance	N	05/02/2008
5	DCG08_005	General view of Dairy before clearance	N	05/02/2008
6	DCG08_006	General view of Dairy before clearance	N	05/02/2008
7	DCG08_007	General view of Dairy before clearance	N	05/02/2008
8	DCG08_008	Wall 13 – South Elevation	S	05/02/2008
9	DCG08_009	Wall 13 – South Elevation	S	05/02/2008
10	DCG08_010	Wall 13 – South Elevation	S	05/02/2008
11	DCG08_011	Wall 13 – South Elevation	S	05/02/2008
12	DCG08_012	Wall 13 – South Elevation	S	05/02/2008
13	DCG08_013	Wall 13 – South Elevation	S	05/02/2008
14	DCG08_014	Wall 13 – South Elevation	S	05/02/2008
15	DCG08_015	Wall 13 – South Elevation	S	05/02/2008
16	DCG08_016	Wall 13 – South Elevation	S	05/02/2008
17	DCG08_017	Wall 13 – South Elevation	S	05/02/2008
18	DCG08_018	Wall 13 – South Elevation with gateway into level 3	S	05/02/2008
19	DCG08_019	Wall 13 – North Elevation with gateway into level 2	N	05/02/2008
20	DCG08_020	Wall 13 – North Elevation with inserted east gate pier	N	05/02/2008
21	DCG08_021	Wall 13 – North Elevation	N	05/02/2008
22	DCG08_022	Wall 13 – North Elevation	N	05/02/2008
23	DCG08_023	Wall 13 – North Elevation	N	05/02/2008
24	DCG08_024	Wall 13 – North Elevation	N	05/02/2008
25	DCG08_025	Wall 13 – North Elevation	N	05/02/2008
26	DCG08_026	Wall 13 – North Elevation	N	05/02/2008
27	DCG08_027	Wall 13 – North Elevation	N	05/02/2008
28	DCG08_028	Wall 13 – North Elevation	N	05/02/2008
29	DCG08_029	Wall 13 – North Elevation	N	05/02/2008
30	DCG08_030	Wall 22 – East Elevation	E	05/02/2008
31	DCG08_031	Wall 22 – East Elevation with small opening in wall	E	05/02/2008
32	DCG08_032	Wall 22 – East Elevation with bricked up opening and original slope of wall to right. NB jamb on left side of opening is different from the right.	E	05/02/2008
33	DCG08_033	Wall 22 – East Elevation	E	05/02/2008
34	DCG08_034	Wall 22 – East Elevation	E	05/02/2008
35	DCG08_035	Wall 22 – East Elevation with chamfered jamb	E	05/02/2008
36	DCG08_036	Wall 15 – South Elevation	S	05/02/2008
37	DCG08_037	Wall 14 – South Elevation with lime washing	S	05/02/2008
38	DCG08_038	Wall 14 – South Elevation with brick wall at right angles	S	05/02/2008
39	DCG08_039	Wall 14 – South Elevation	S	05/02/2008
40	DCG08_040	Wall 14 – South Elevation with inserted memorial stone	S	05/02/2008
41	DCG08_041	Wall 14 – South Elevation showing break in wall and lime washing to the right of break. Concrete floor	S	05/02/2008
42	DCG08_042	Wall 14 – South Elevation showing lime washing,	S	05/02/2008

The Yards, Duddingston Village, Edinburgh

Photo ID	Digital	Description	Direction from	Date
		concrete floor and ceramic feeding trough		
43	DCG08_043	Wall 14 – South Elevation showing lime washing and concrete floor	S	05/02/2008
44	DCG08_044	Wall 23 – West Elevation with gateway from Bellavista into level 2	w	05/02/2008
45	DCG08_045	Wall 23 – West Elevation with gateway from Bellavista into level 2	w	05/02/2008
46	DCG08_046	Wall 23 – West Elevation with brick addition to top of wall to left of gateway from Bellavista into level 2	w	05/02/2008
47	DCG08_047	Wall 23 – West Elevation with brick addition to top of wall	w	05/02/2008
48	DCG08_048	Wall 23 – West Elevation showing small brick blocking to left on lower section and higher section with brick addition	w	05/02/2008
49	DCG08_049	Wall 23 – West Elevation showing higher section with sloping section leading to northern gate pier and blocking of entrance way from Bellavista	w	05/02/2008
50	DCG08_050	Wall 23 – West Elevation showing northern gate pier and blocking of entrance from Bellavista into level 2	w	05/02/2008
51	DCG08_051	Wall 23 – West Elevation showing blocking of gateway from Bellavista into level 2	w	05/02/2008
52	DCG08_052	Wall 23 – West Elevation showing southern gate pier and blocking of entrance from Bellavista into level 2	w	05/02/2008
53	DCG08_053	Wall 23 – West Elevation showing end of wall and part of later addition to Bellavista stables	w	05/02/2008
54	DCG08_054	Wall 23 – West Elevation showing later extension to Bellavista stables	w	05/02/2008
55	DCG08_055	Wall 23 – West Elevation showing later extension to Bellavista stables	W	05/02/2008
56	DCG08_056	Wall 23 – West Elevation showing west gate pier at southern end with wall built around it	W	05/02/2008
57	DCG08_057	Wall 25 – West Elevation showing brick blocking of doorway	W	05/02/2008
58	DCG08_058	Wall 4 – East Elevation	E	05/02/2008
59	DCG08_059	Wall 3 – South Elevation with inserted window and vent	S	05/02/2008
60	DCG08_060	Wall 3 – South Elevation with inserted vent and scars of stall dividers	S	05/02/2008
61	DCG08_061	Wall 3 – South Elevation with scar of stall divider	S	05/02/2008
62	DCG08_062	Wall 3 – South Elevation with scars of stall dividers	S	05/02/2008
63	DCG08_063	Wall 3 – South Elevation with vent and scars of stall dividers	S	05/02/2008
64	DCG08_064	Wall 3 – South Elevation with scars of stall dividers	S	05/02/2008
65	DCG08_065	Wall 3 – South Elevation with scars of stall dividers	S	05/02/2008
66	DCG08_066	Wall 3 – South Elevation with scars of stall dividers	S	05/02/2008
67	DCG08_067	Wall 3 – South Elevation with scars of stall dividers	S	05/02/2008
68	DCG08_068	Wall 3 – South Elevation with scars of stall dividers	S	05/02/2008
69	DCG08_069	Wall 3 – South Elevation showing end of wall and start of extension	S	05/02/2008
70	DCG08_070	Wall 3 – South Elevation extension wall with scar of stall divider	S	05/02/2008

The Yards, Duddingston Village, Edinburgh

Photo ID	Digital	Description	Direction from	Date
71	DCG08_071	Wall 24 – North Elevation showing stone lower section and later brick additions	N	05/02/2008
72	DCG08_072	Wall 24 – North Elevation showing stone lower section and later brick additions	N	05/02/2008
73	DCG08_073	Wall 24 – North Elevation showing stone lower section and later brick additions and blocking	N	05/02/2008
74	DCG08_074	Wall 24 – North Elevation showing stone lower section and later brick additions	N	05/02/2008
75	DCG08_075	Wall 24 – North Elevation showing junction between stone wall and two brick structures	N	05/02/2008
76	DCG08_076	Wall 24 – North Elevation with vent	N	05/02/2008
77	DCG08_077	Wall 24 – North Elevation with vent	N	05/02/2008
78	DCG08_078	Wall 24 – North Elevation with vent	N	05/02/2008
79	DCG08_079	Wall 24 – North Elevation with vent	N	05/02/2008
80	DCG08_080	Wall 24 – North Elevation with east section of entrance to milking parlour	N	05/02/2008
81	DCG08_081	Wall 24 – North Elevation showing entrance into Milking Parlour	N	05/02/2008
82	DCG08_082	View in Dairy looking west showing cobbled and stone flagged floor with drainage		05/02/2008
83	DCG08_083	View in Dairy looking west showing cobbled and stone flagged floor with drainage		05/02/2008
84	DCG08_084	Dairy Floor showing drainage in cobbled and stone flagged floor		05/02/2008
85	DCG08_085	Dairy Floor showing drainage in cobbled and stone flagged floor		05/02/2008
86	DCG08_086	Dairy Floor showing drainage in cobbled and stone flagged floor		05/02/2008
87	DCG08_087	Dairy Floor showing drainage in cobbled and stone flagged floor		05/02/2008
88	DCG08_088	Dairy Floor showing drainage in cobbled and stone flagged floor		05/02/2008
89	DCG08_089	Dairy Floor showing drainage in cobbled and stone flagged floor		05/02/2008
90	DCG08_090	Dairy Floor showing drainage in cobbled and stone flagged floor		05/02/2008
91	DCG08_091	Dairy Floor showing drainage in cobbled and stone flagged floor		05/02/2008
92	DCG08_092	Dairy Floor showing drainage in concrete floor (with chevron grooves) of later extension		05/02/2008
93	DCG08_093	Dairy Floor showing drainage in concrete floor (with chevron grooves) of later extension		05/02/2008
94	DCG08_094	Wall 3 - North Elevation showing brick blocking of door and window and western gate pier	N	05/02/2008
95	DCG08_095	Wall 26 – South Elevation with brick blocking of window and scarring from vehicle prior to wooden post being inserted	S	05/02/2008
96	DCG08_096	Wall 26 – South Elevation with brick blocking of window and scarring from vehicle prior to wooden post being inserted	S	05/02/2008

Appendix 3 Photo Register (phase 3)

Photo ID	Digital	Description	Direction from	Date
1	DCG08_8-3_001	New brick blocking in northwest corner of Level 3	S	05/04/2008
2	DCG08_8-3_002	New brick blocking in northwest corner of Level 3	S	05/04/2008
3	DCG08_8-3_003	Interior of Room 4/4 – tiled floor and drain	E	05/04/2008
4	DCG08_8-3_004	Cobbles and gutters exposed in Level 3 (east end)	NE	05/04/2008
5	DCG08_8-3_005	Cobbles and gutters exposed in Level 3 (east end)	N	05/04/2008
6	DCG08_8-3_006	Wall 8 upper showing rebuilt wall to south	W	05/04/2008
7	DCG08_8-3_007	Wall 8 upper showing rebuilt wall to south (detail)	W	05/04/2008
8	DCG08_8-3_008	Wall 5 detail of rebuilt coping	NE	05/04/2008
9	DCG08_8-3_009	Wall 8 lower, rebuilt upper brickwork.	NW	05/04/2008
10	DCG08_8-3_010	Wall 11 – new brickwork	E	05/04/2008
11	DCG08_8-3_011	Detail of industrial waste at north end of Wall 8 upper	W	05/04/2008
12	DCG08_8-3_012	View of visible remains of structure 3 on Level 2.	W	05/04/2008
13	DCG08_8-3_013	General view of vennel, with cobbles and cart ruts	N	05/04/2008

Appendix 4 Context Register

Wall	Context	Phase	Description
1n	1001	1	Sandstone rubblework
	1002	2	Sandstone rubblework
	1003	4	Sandstone coping
	1004	7	Balustrade or ball finial base?
1s	1005	4	Sandstone rough blockwork
	1006	4	Fine sandstone gate surround
	1007	4	Truncated sandstone gate pier.wm
2	2001	1/2	Sandstone rubblework wall
	2002	4/5	Heightening of wall with sandstone rubblework
	2003	5	Gable extension to elevation of roughly coursed sandstone rubble with poor mortar.
	2004	5	Sandstone surround and wooden door on loft door
	2005	4	Large sandstone surrounds for doorway at groundfloor level to Room 1/1
	2006	6	Sandstone relating to insertion of Room 1/3 to the south
	2007	4/5	Gate pier of well dressed sandstone leading to Level 1.
3	3001	5	Random rubble wall with brick wallplate
	3002	6	Brick wall extension to east
	3003	5/6	Random rubble wall extension to east
	3004	5	Window at west end
	3005	6	Scar of stall divide
	3006	6	Ceramic trough
	3007	6	Small grated vent in upper wall
	3008	6	Small grated vent in upper wall
	3009	6	Small grated vent in upper wall
	3010	6	Small grated vent in upper wall
	3011	6	Cement render
	3012	6	Small grated vent in upper wall
	3013	6	Small grated vent in upper wall
	3014	6	Brick insert to replace quoin
	3015	6	Cement render
4	4001	6	Brick wall
	4002	6	Cement render
	4003	6	Window, with segmental brick arch lintel
	4004	6	Scar of A-frame roof truss
5	5001	3	Random rubble sandstone revetment wall
	5002	3	Quartzite sandstone flat coping stones
	5003	6	Cut raggle for glass structure?

The Yards, Duddingston Village, Edinburgh

	5004	7	Recent wooden stairs from Level 2 down to Level 1
8lower	8001	2	Original wall in 18 th century brick with curved detail at south end
	8002	3	Secondary raising of original wall in 18 th century brick
	8003	4	Final raising of wall in 19 th century manufactured brick
	8004	6	Line of brick along line of garage on east side of wall
	8005	4	Fine sandstone ashlar surround and coping for ornate cast iron gate between Level 1 and the property of Hawthorn Brae
	8006	4	Repair to wall where insertion has been made for the gate
	8007	6	20 th century brick repair
8upper	8008	3	18 th century brick skin to east side of wall, contemporary with 8001
	8009	4	19 th century brick skin against 8008
	8010	3	As 8008
	8011	3	Industrial waste mortared to wall
	8012	5	Raggle line and mortar marking small pitched structure
	8013	4	Line of glazed 19 th century brick
	8014	1?	Rubble built wall forming original boundary to property lines
9	9001	3	Large sandstone blocks, roughly coursed
	9002	4	Random rubble wall
	9003	7	Infill sandstone rubble after construction of late 20 th century extension
	9004	7	Cement coping
10	10001	2	Well coursed roughly square sandstone blocks
	10002	3	Poorly coursed rubble built sandstone
	10003	5	Large sandstone blocking of gate with brick footing
	10004	6	Small random rubble infil
	10005	5	19 th century brick raising of wall at west end
	10006	4	Random sandstone rubble
11	11001	2	Large sandstone rubble build with smaller rubble build between.
	11002	3	Small flatter sandstone rubble build
	11003	4	Large late 18 th century/early 19 th century brick set on end
	11004	4	Flat Sandstone coping
	11005	5	Final 19 th century brick raising of wall

The Yards, Duddingston Village, Edinburgh

13	13001	5	Roughly coursed sandstone and whin rubble wall
	13002	5	Quartzite sandstone flat copes
	13003	6	Dressed sandstone quoins for gate piers, with pyramidal cap
	13004	6	Dressed sandstone quoins for gate piers, with pyramidal cap
	13005	6	Stone bollard
	13006	6	Cement flashing from structure?
	13007	6	Cement raggle line for roof
	13008	6	Brick insertion
	13009	5	Roughly coursed rubble wall
	13010	6	Rubble infil from insertion of gatepier 13003
14	14001	5	Sandstone and whin rubble retaining wall
	14002	6	Sandstone and whin rubble retaining wall
	14003	6	Castellated sandstone copes
	14004	7	Brick heightening of wall at west end
	14005	6	Animal gravestone inset into wall
15	15001	6	20 th century industrial brick wall
	15002	6	Cement coping
16	16001	6	20 th century industrial brick wall
	16002	6	Brick blocking of aperture
	16003	7	Recent cut in base of wall for drainage
	16004	6	Section of recent harling
	16005	6	Cement coping
18	18001	6	Reused 18 th /19 th century bricks brick wall
	18002	6	Doorway through wall between Rooms 2 and 3
22	22001	3	Random rubble whin and sandstone wall
	22002	4	Roughly coursed sandstone wall
	22003	4	Blocked aperture
	22004	5	Rebuilt walling (south) of random rubble with sandstone quoins for opening [22007]
	22005	5	Rebuilt walling (north) of random rubble with brick and rubble quoins for opening [22007]
	22006	6	Brick infil of opening [22007]
	22007	5	Opening through wall (now blocked)
	22008	5	Rounded sandstone copes
	22009	3/5	Rounded sandstone copes
	22010	3	Corner quoins of dressed sandstone with edge chamfer
	22011	6	Brick repair with 2 cast iron pipes extending from wall.

The Yards, Duddingston Village, Edinburgh

23	23001	5	Roughly coursed sandstone rubble wall
	23002	5	Gateway with cast iron gate to Bella Vista
	23003	4	Sandstone rubble wall to north
	23004	5/6	Brick wall overlying wall [23001] part of structure to west
	23005	5	Sloping sandstone flat copes.
	23006	6	Brick blocking
	23007	5	Sandstone quoins
	23008	5	Dressed sandstone gatepier with pyramidal capstone
	23009	7	Recent sandstone blocking of gateway through to Bella Vista
	23010	5	Slaister pointed rubble sandstone wall
	23011	5	Window with 4 pane sash window
	23012	5	Sandstone gatepier with flat capstone
	23013	5	Roughly coursed roughly squared sandstone wall
24	24001	6	Industrial brick wall
	24002	6	Brick infill with inset wooden baten and header course cap.
	24003	6	Blocked 'joist' holes?
	24004	6	Angled brick and cement 'join'
	24005	6	Cement render
	24006	6	Industrial brick wall
	24007	6	Air vent with iron grill
	24008	6	Air vent with iron grill
	24009	6	Air vent with iron grill
	24010	6	Brick block opening
	24011	6	Brick block opening
	24012	6	Large opening in wall [24006] with wooden lintel and attachment for sliding door.
25	25001	6	Brick wall
	25002	6	Cement render
	25003	6	Scar of A-frame roof truss

Appendix 5

Discovery and Excavation Scotland

LOCAL AUTHORITY: Edinburgh

Site Name: The Yards, Duddingston Village

Parish: Duddingston

Name of Contributor(s): David Connolly (Connolly Heritage Consultancy)

Type of Site or Find: 18-19th -century garden walls and 20th -century Dairy and Stables

NGR (2 letters, 6 or 8 figures): NT2830 7270

Report:

Investigation of the built structures and both internal and boundary walls at the property showed an evolution of function, form and ownership relating to the re-establishment of Duddingston Village from the late 18th -century. 19th -century property ownership on either side (Hawthorn Brae to the east and Bella Vista to the west) utilized the areas for various functions, including a market garden, stables and bowling green. The 20th -century is represented by the creation of the structure now known as the Dairy, using two pre-existing structures, and the upper level is finally developed with the building of a brick stables in the 1950s. The whole group is linked by a side vennel on the west and is constructed on three distinct levels or terraces into the lower slopes of Arthur's Seat to the north.

The most important and visible alteration that is still intact today, is a unifying screen wall that fronts the Causeway, uniting the entire property of Hawthorn Brae. This wall of yellow sandstone was constructed around 1817, with the establishment of the Villa and grounds.

Bella Vistas history of property ownership, expansion and access is well represented in the western boundary of the site. As a whole, the site is a unique example of the development of Duddingston as a settlement for rich businessmen, and their establishment of well appointed Villas, private spaces and utilitarian buildings such as Stables and a Dairy.

Sponsor(s): HS, Society, Institution, Developer, etc. (where appropriate):

The National Trust for Scotland

Address(es) of Main Contributor(s):

Connolly Heritage Consultancy

Traprain House

Luggate Burn

Whittingehame

East Lothian

EH41 4QA



West

East

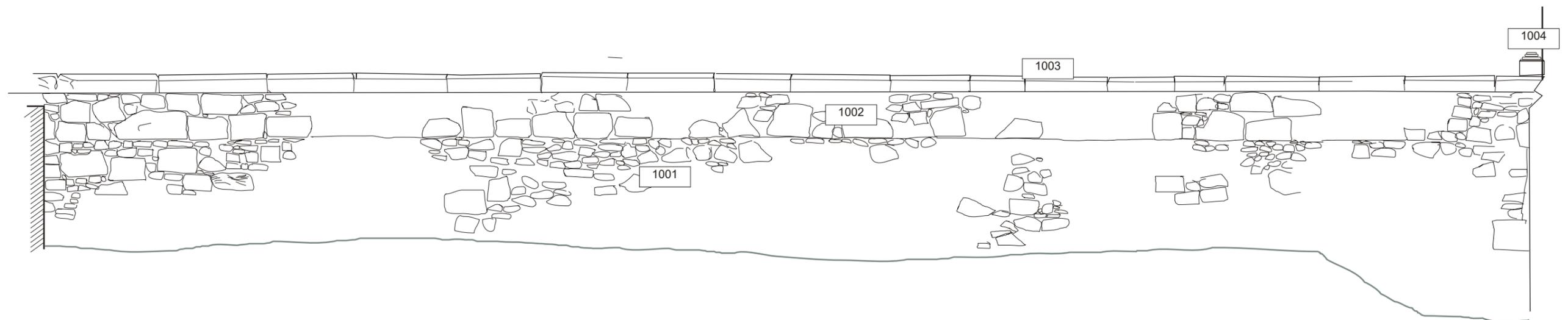


Figure 3: Wall 1, north facing elevation



West

East

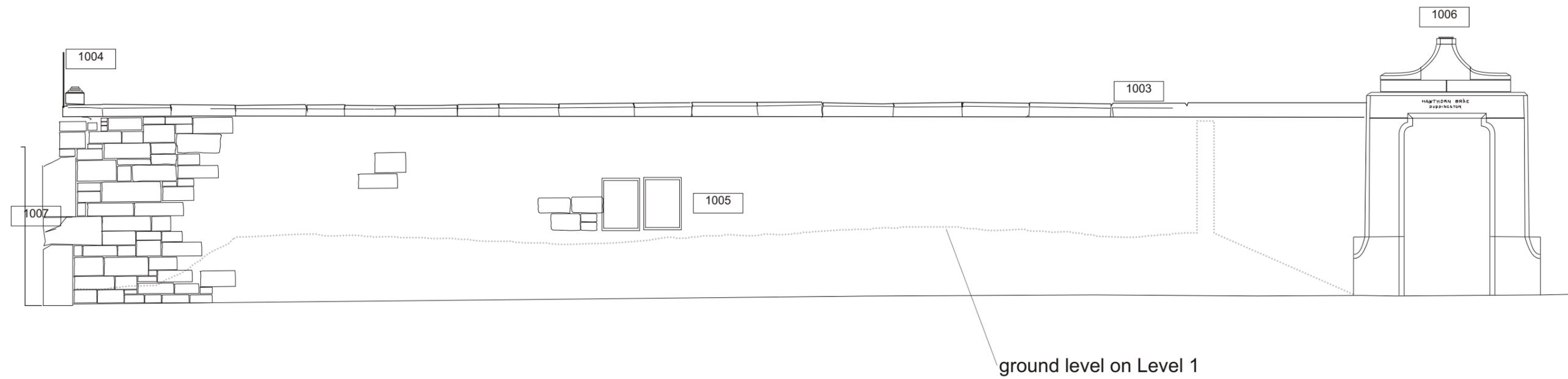
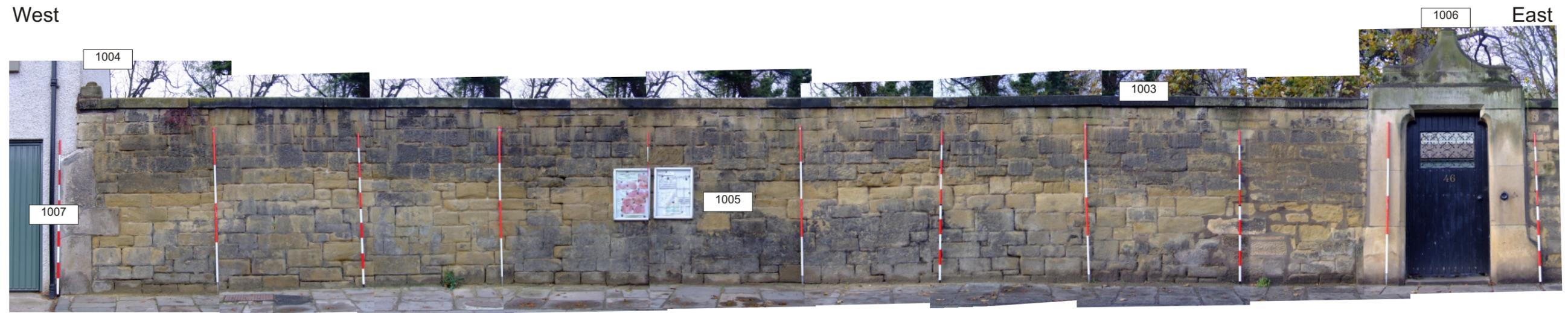
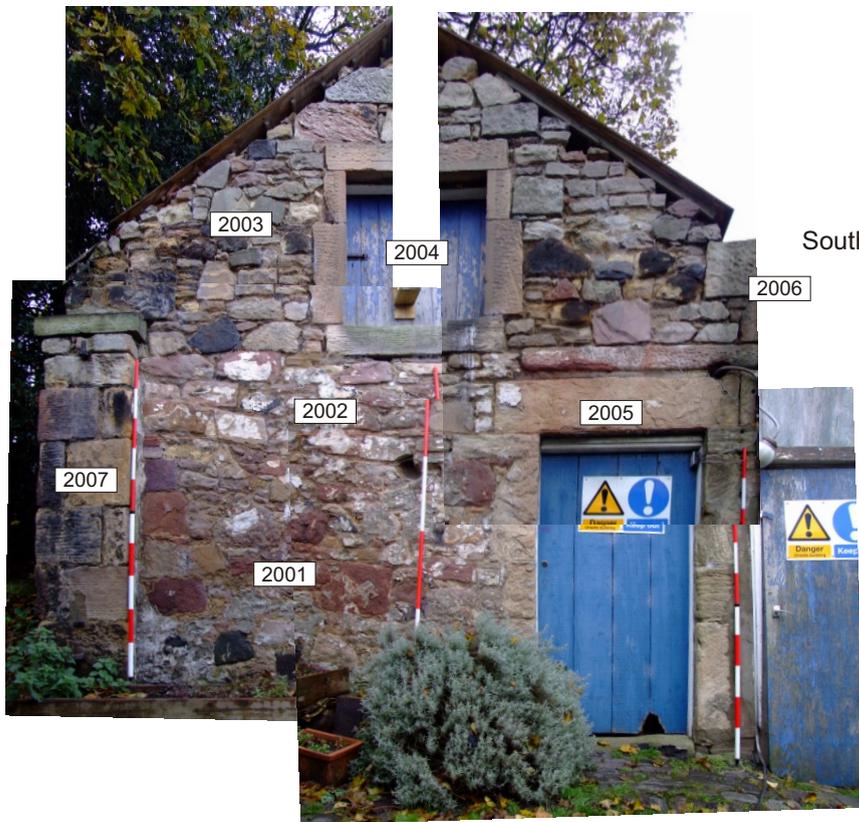


Figure 4: Wall 1, south facing elevation



North



South

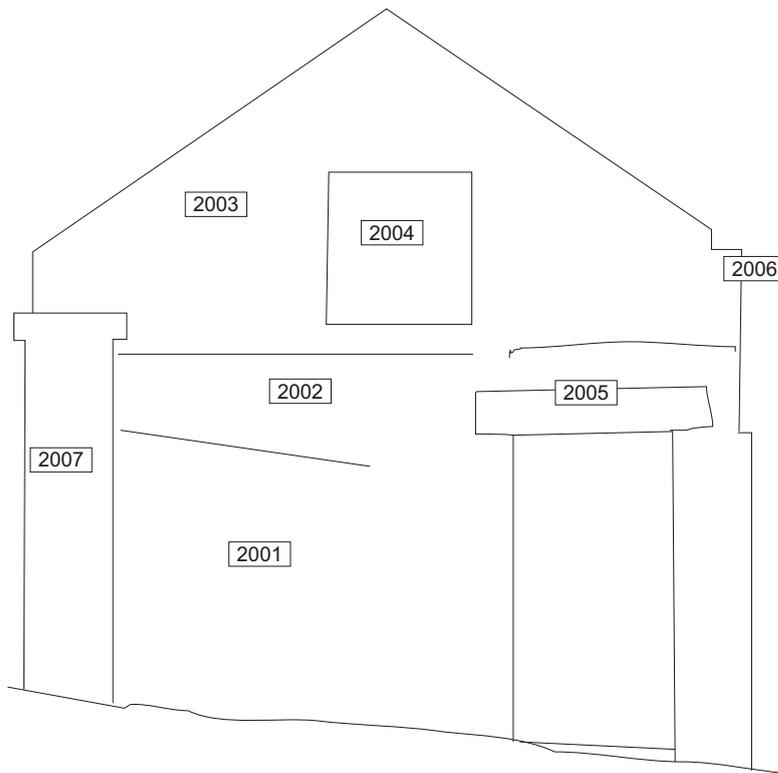


Figure 5: Wall 2, west facing elevation

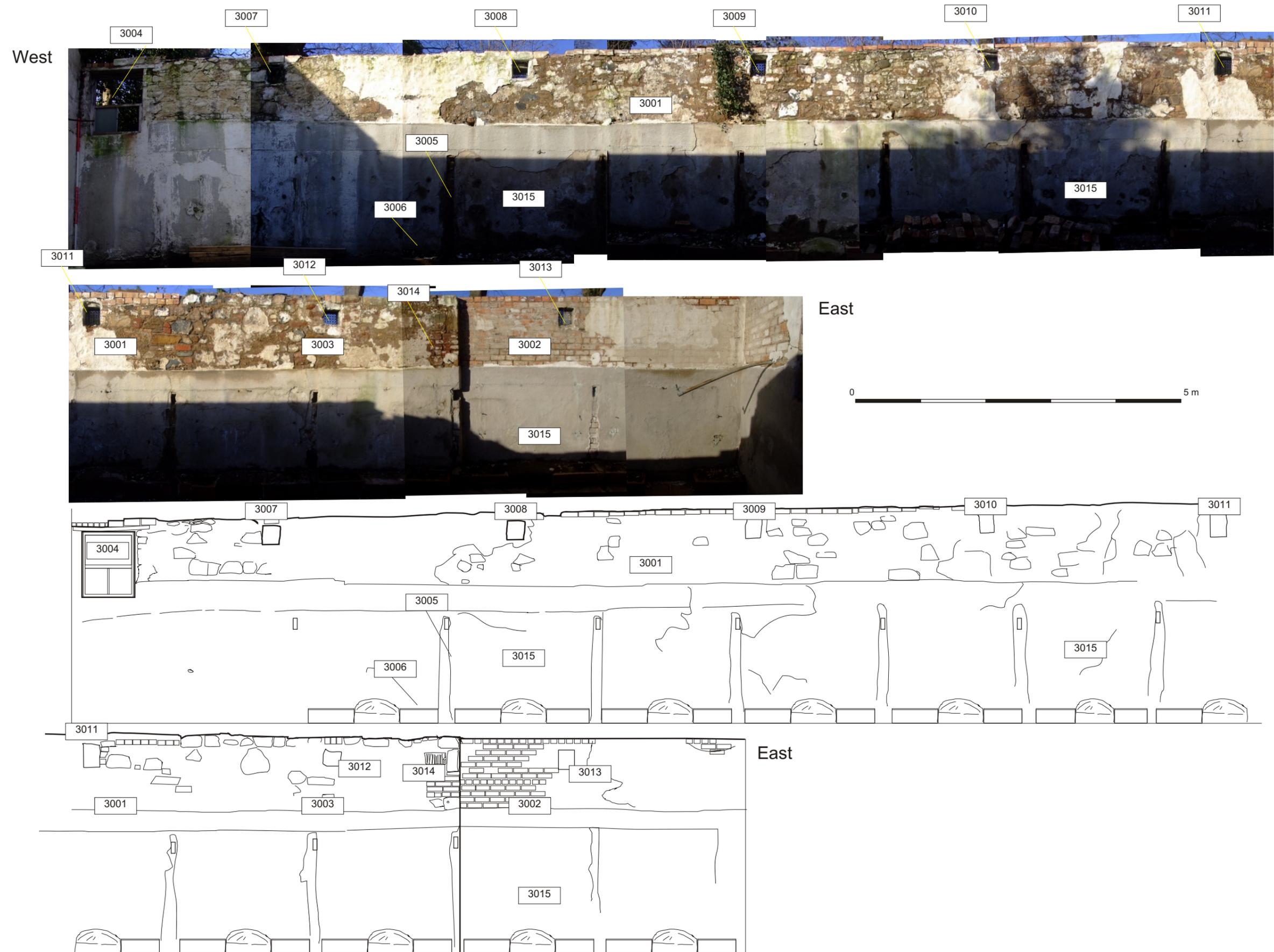


Figure 6: Wall 3, south facing elevation



Figure 7: Above Wall 4, west facing internal elevation
Below Wall 4, east facing external elevation



0 5 m

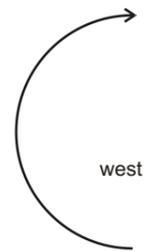


Figure 8: Wall 5, south facing elevation

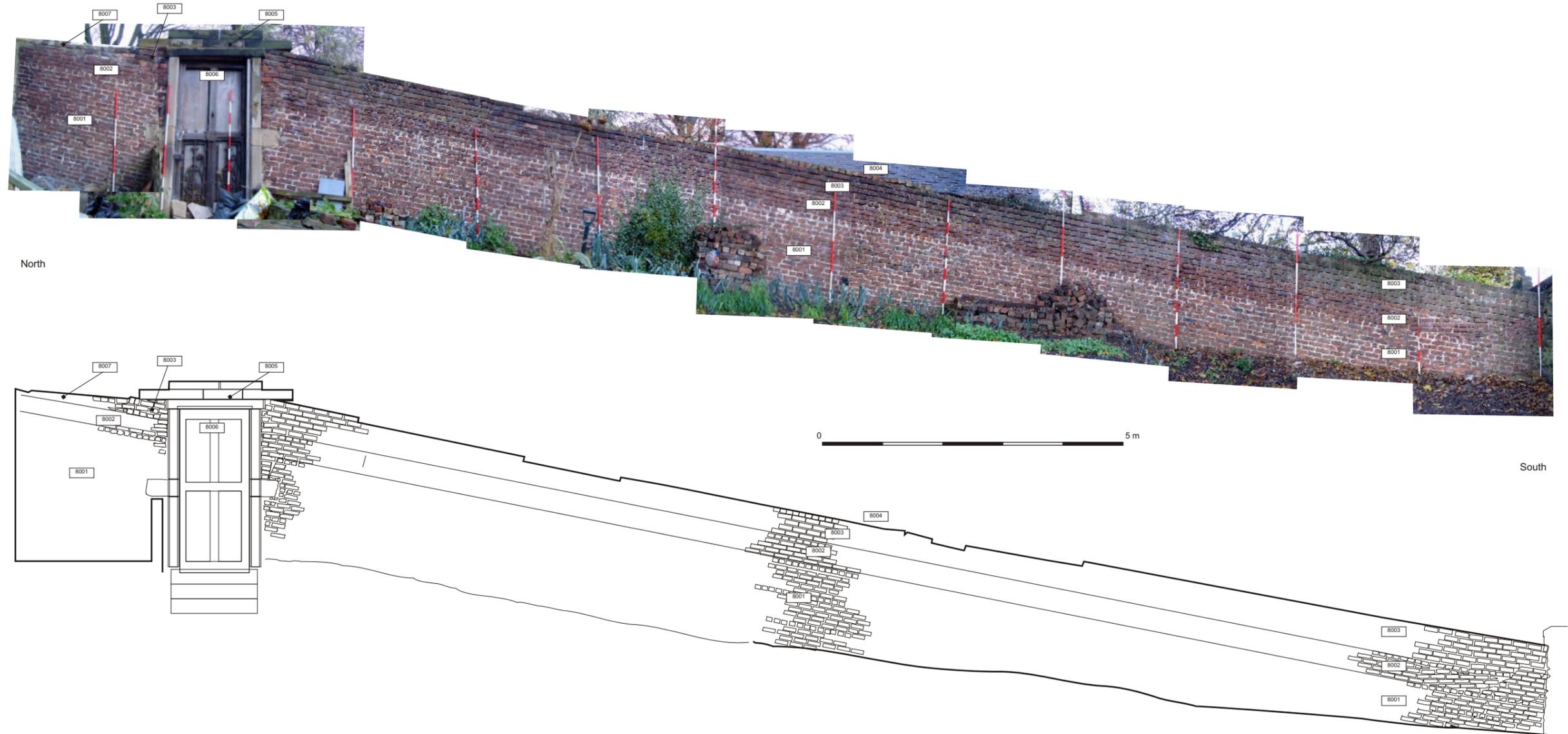


Figure 9: Wall 8 (lower), west facing elevation

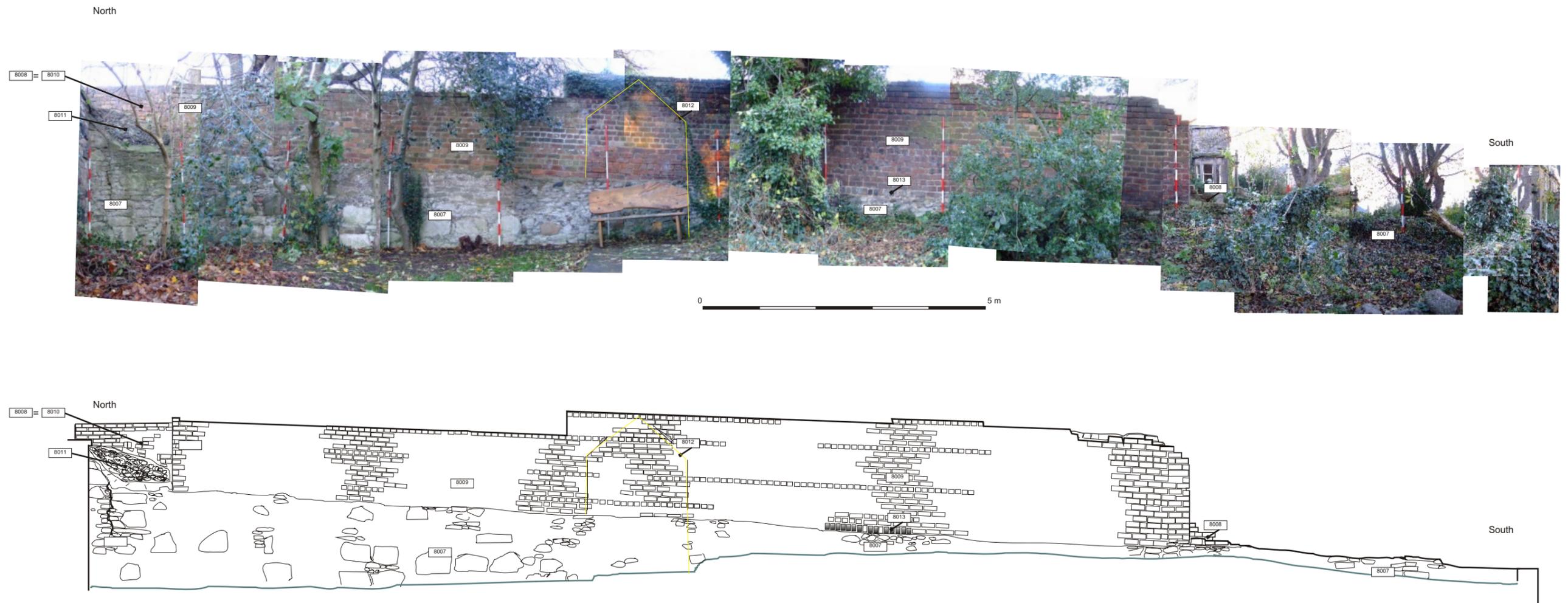


Figure 10: Wall 8 (upper) west facing elevation

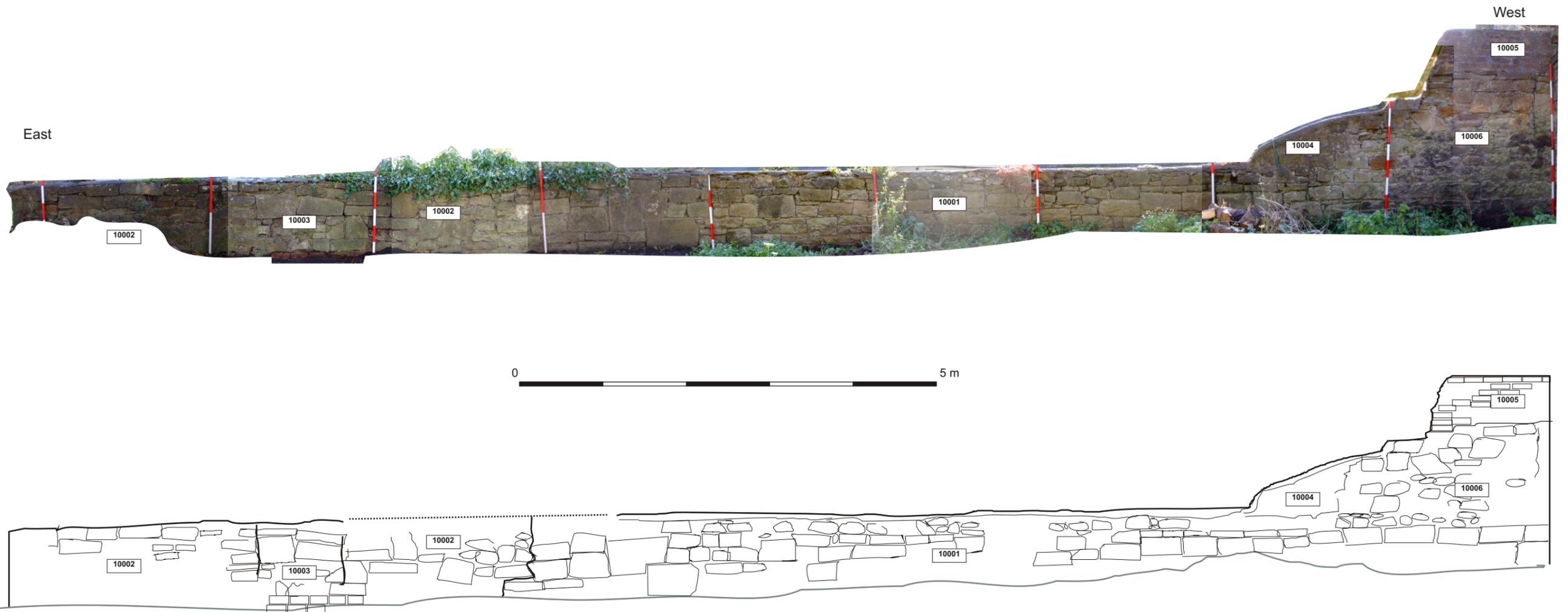


Figure 12: Wall 10 north facing elevation

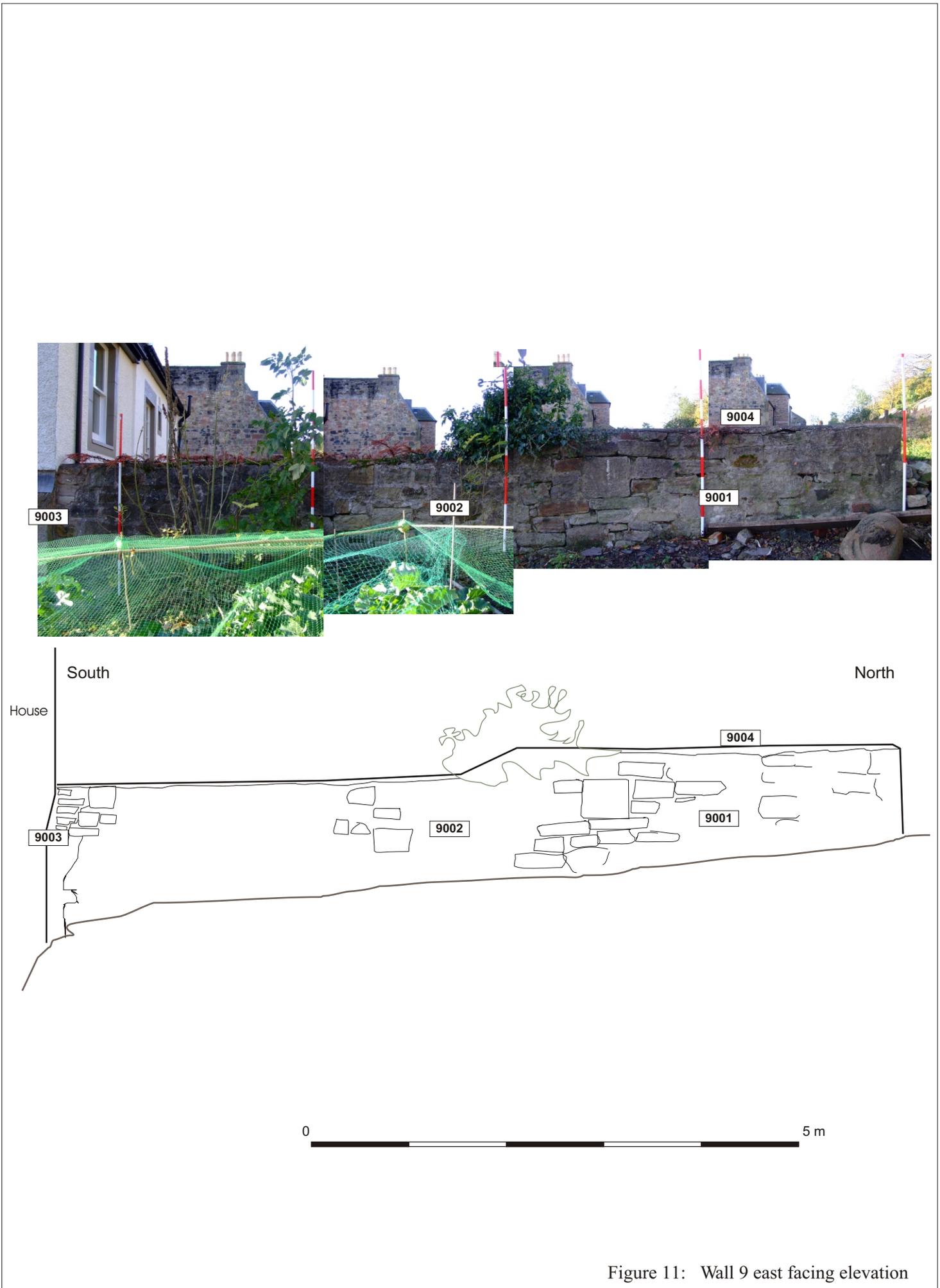
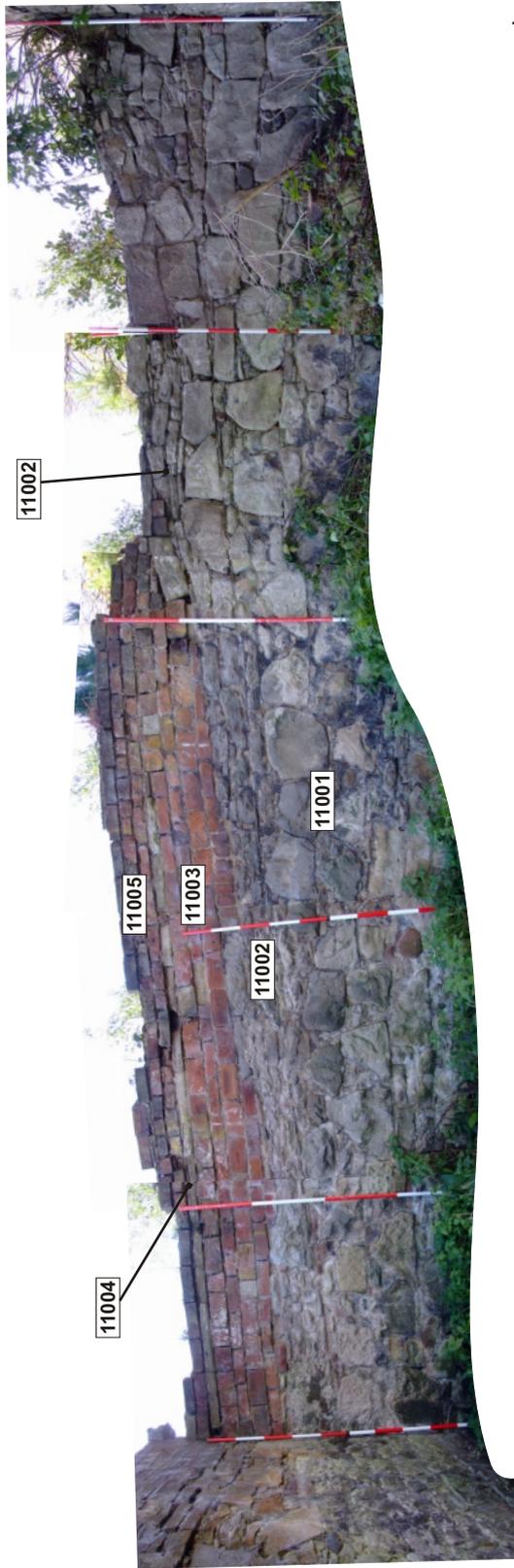


Figure 11: Wall 9 east facing elevation

North



South

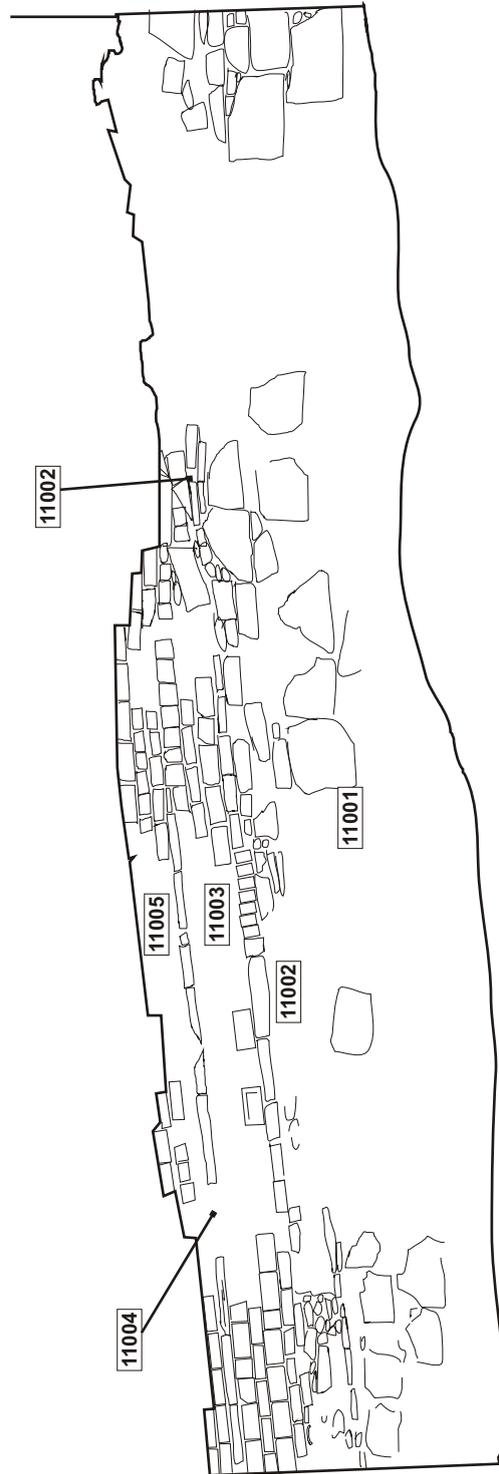


Figure 13: Wall 11 east facing elevation

East

West

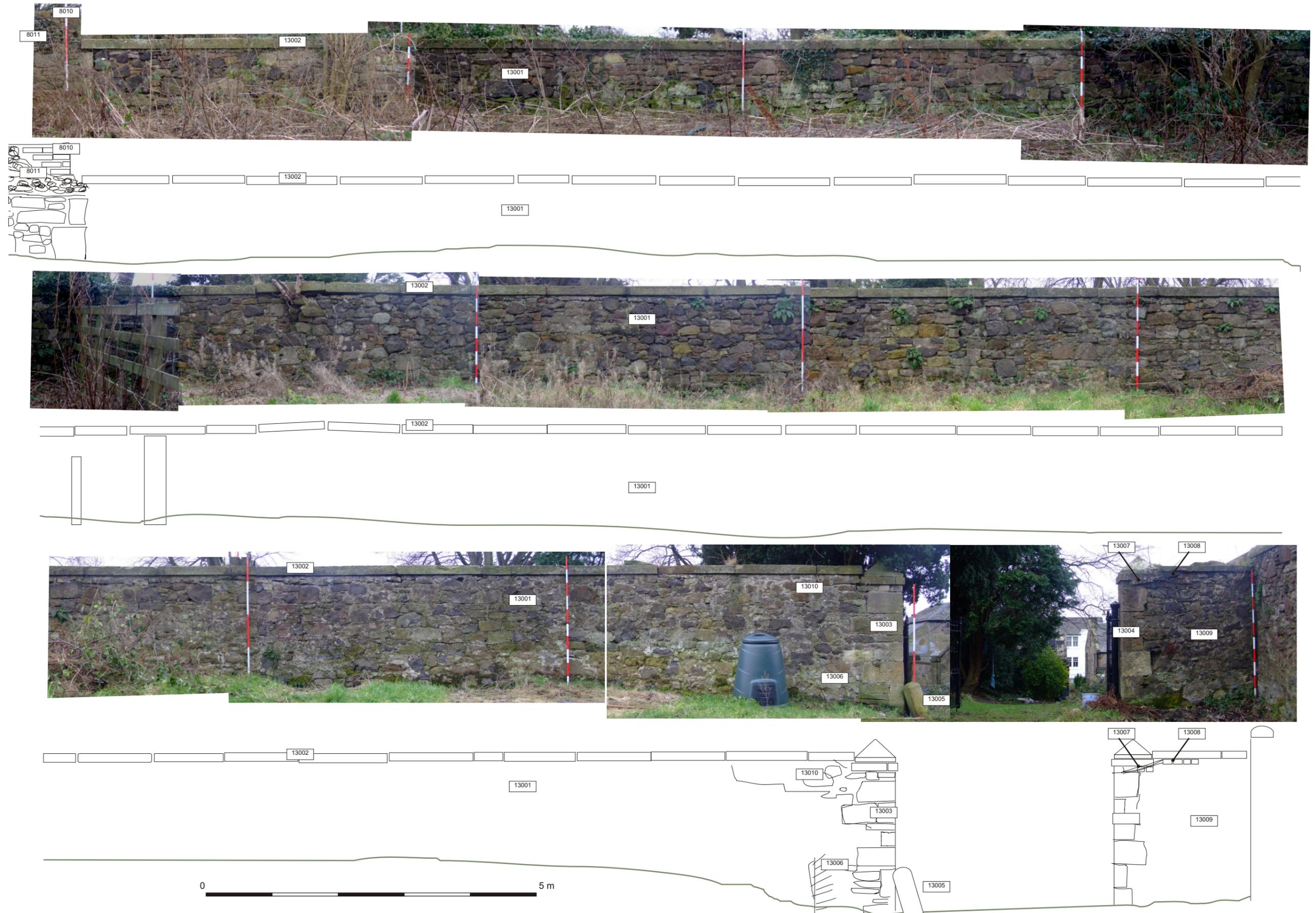
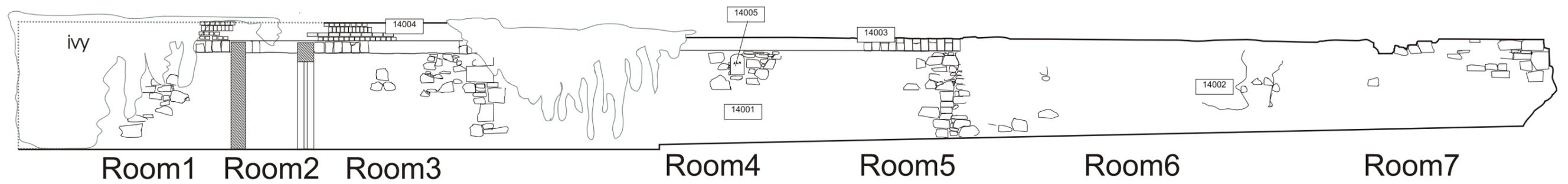


Figure 14: Wall 13 north facing elevation

West

East



0 10 m

Figure 15: Wall 14, south facing elevation



West

East

South

North

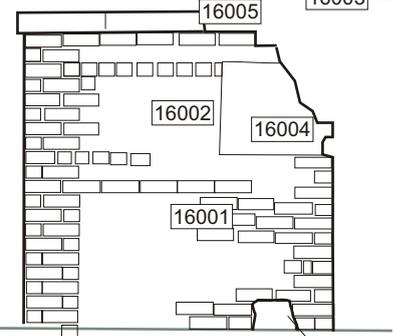
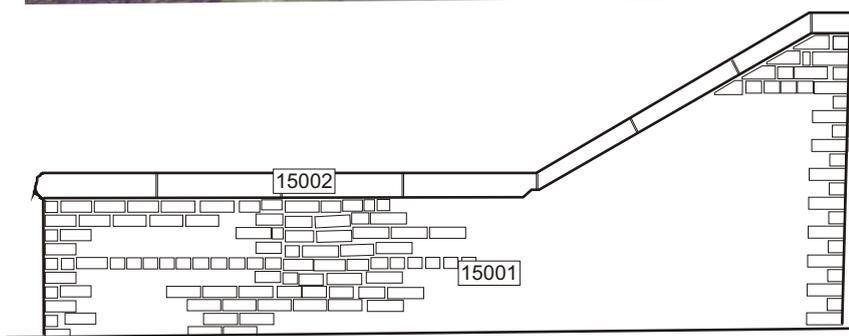
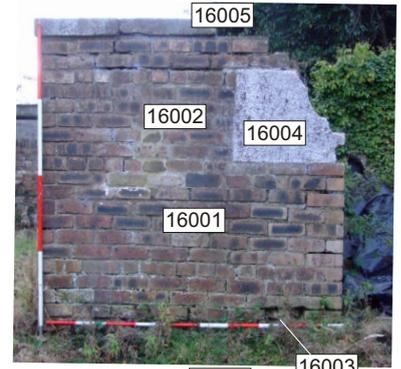
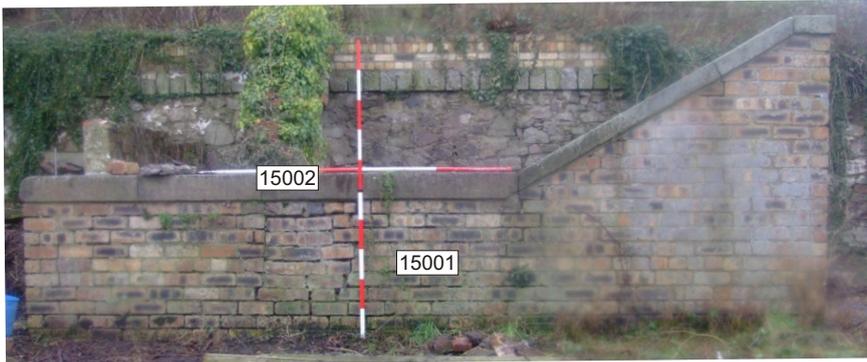


Figure16: Wall 15, south facing elevation

Figure17: Wall 16, east facing elevation

South

North



Figure18: Wall 18, east facing elevation

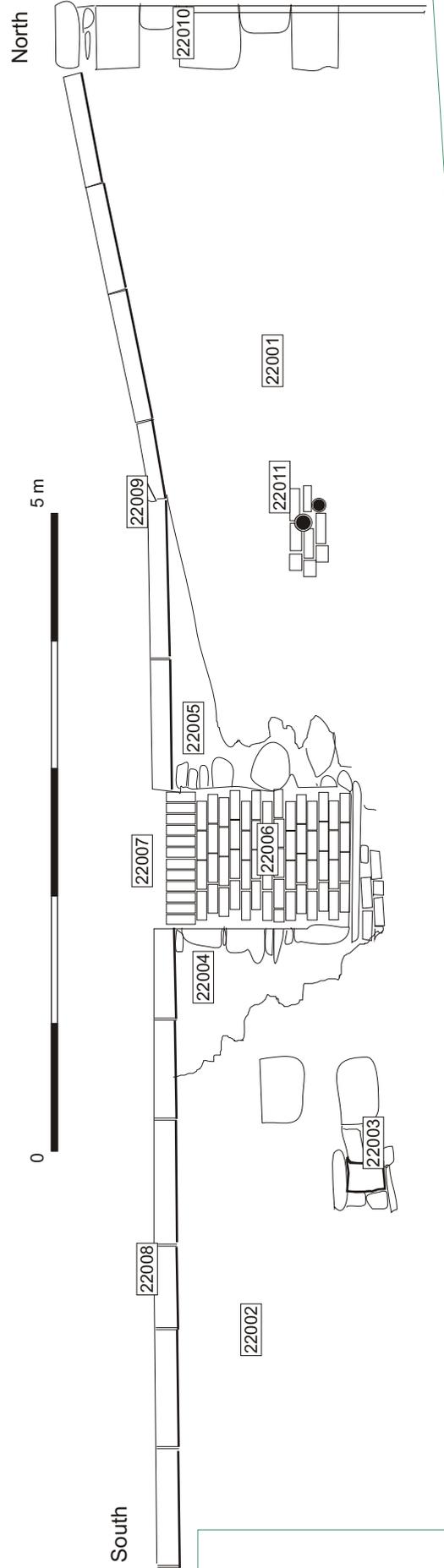
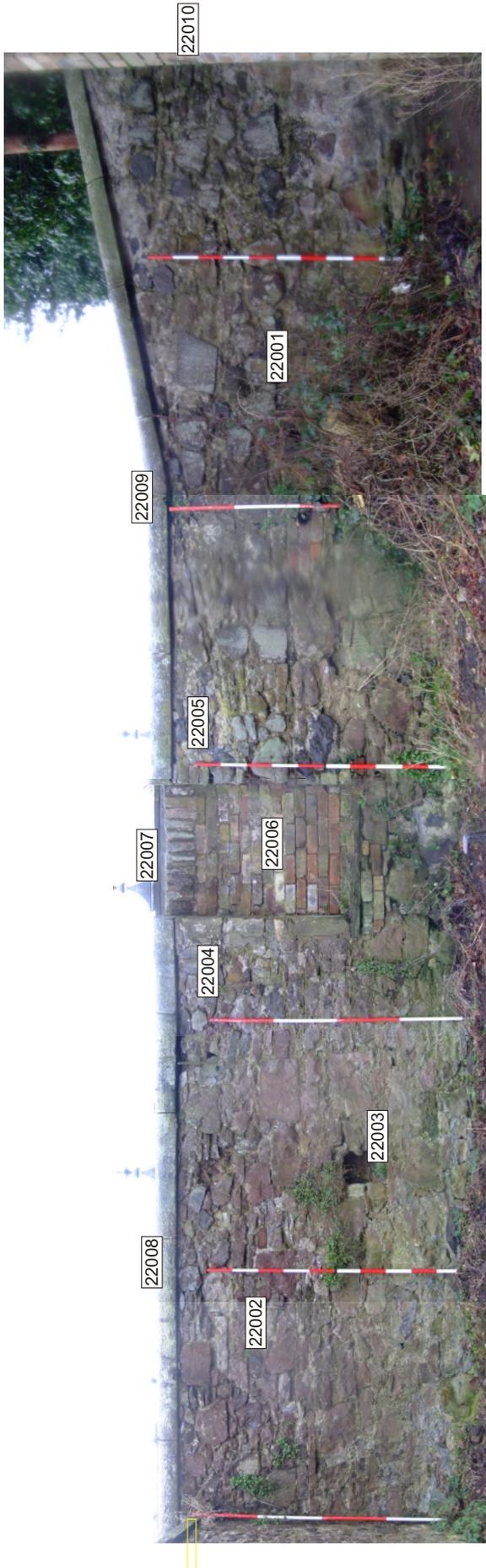


Figure 19: Wall 22, west facing internal elevation



Figure 20: Above Wall 23, east facing elevation

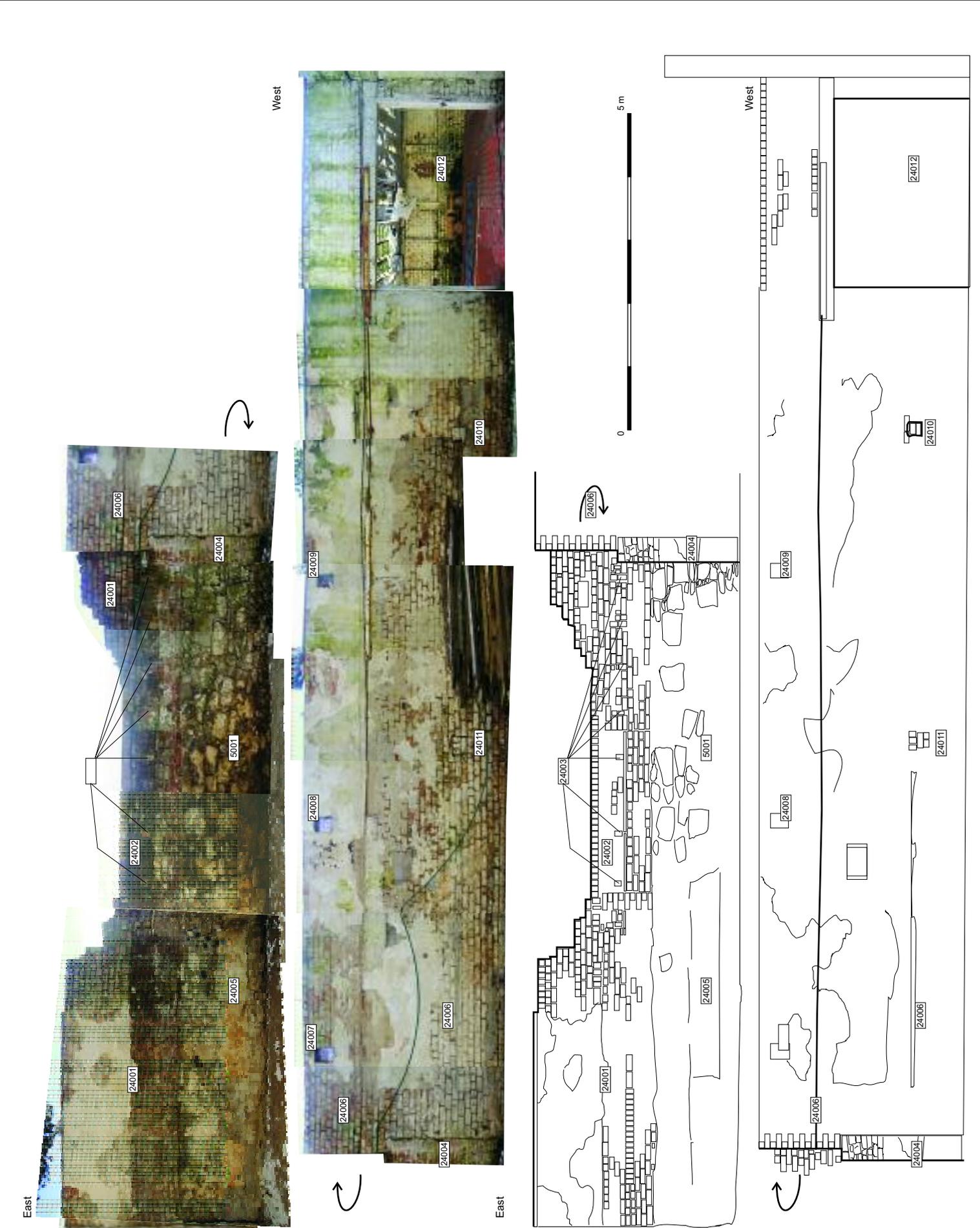


Figure 21: Wall 24, north facing internal elevation

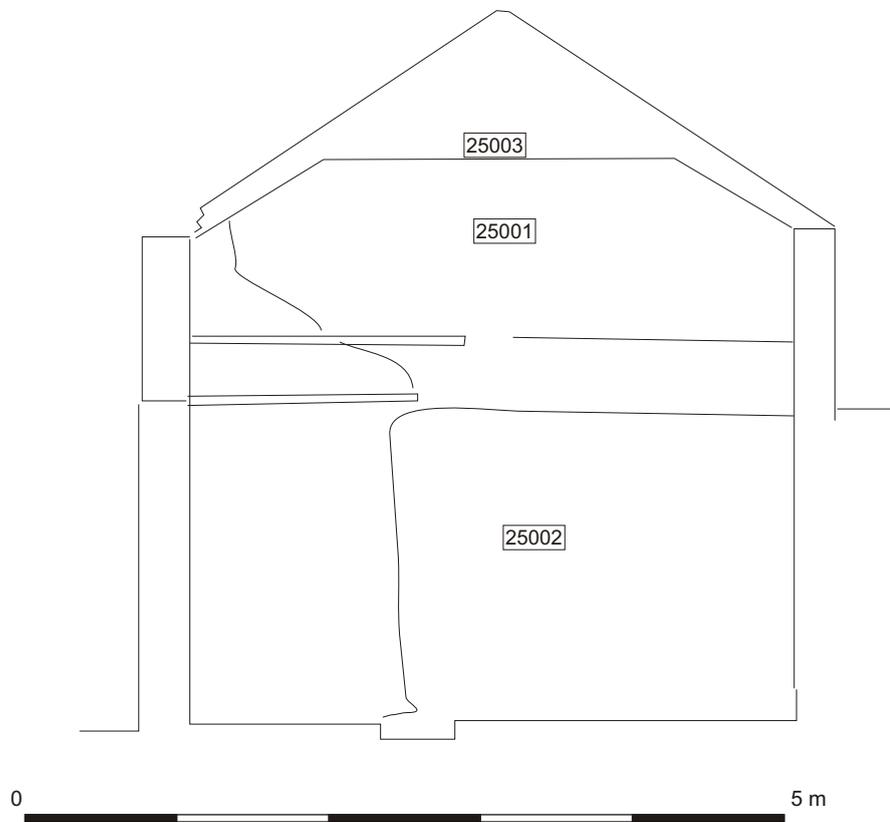


Figure 22: Wall 25, east facing internal elevation



Figure 23: Roy Military Survey of Scotland, 1747-1755

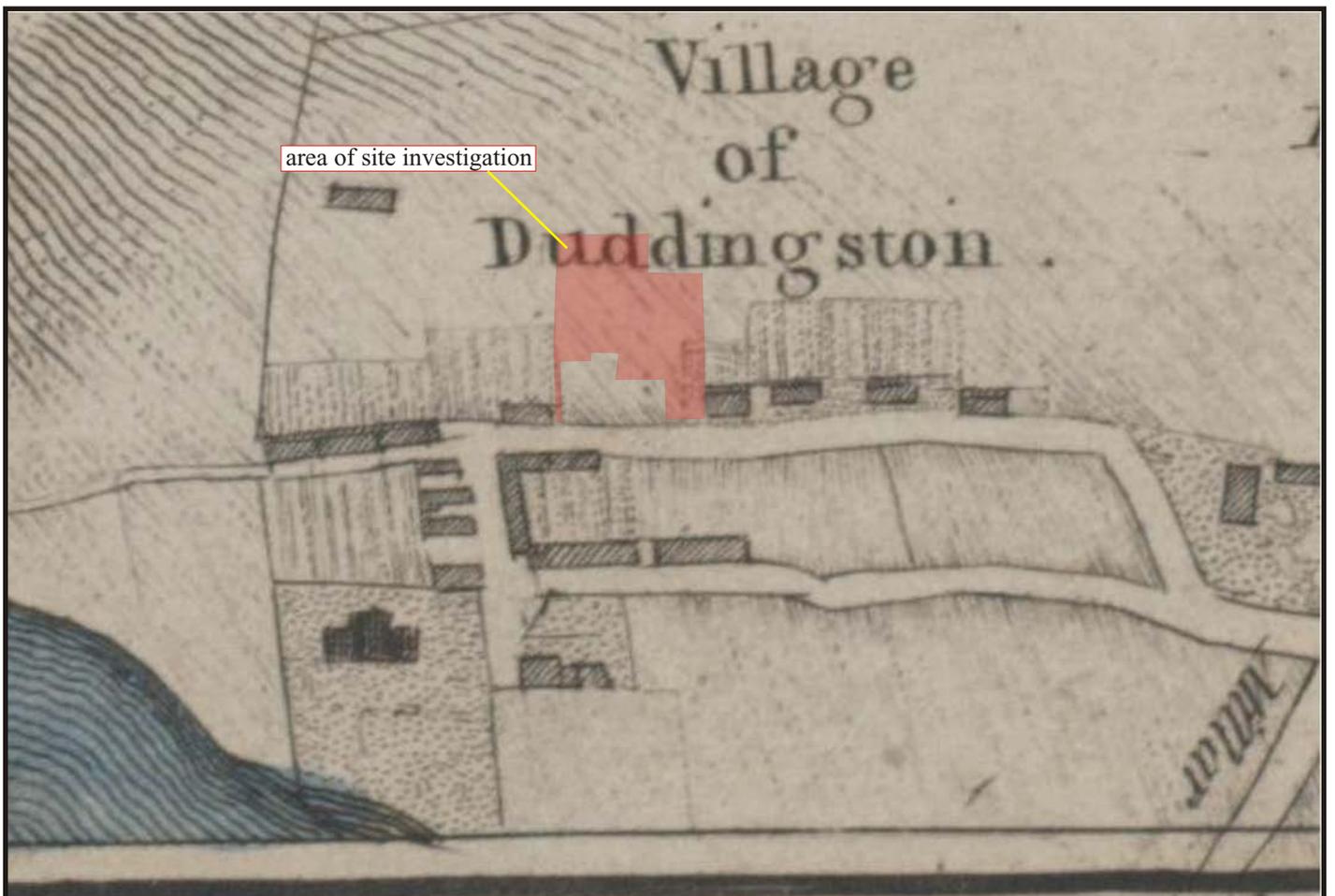


Figure 24: Stranger 1805

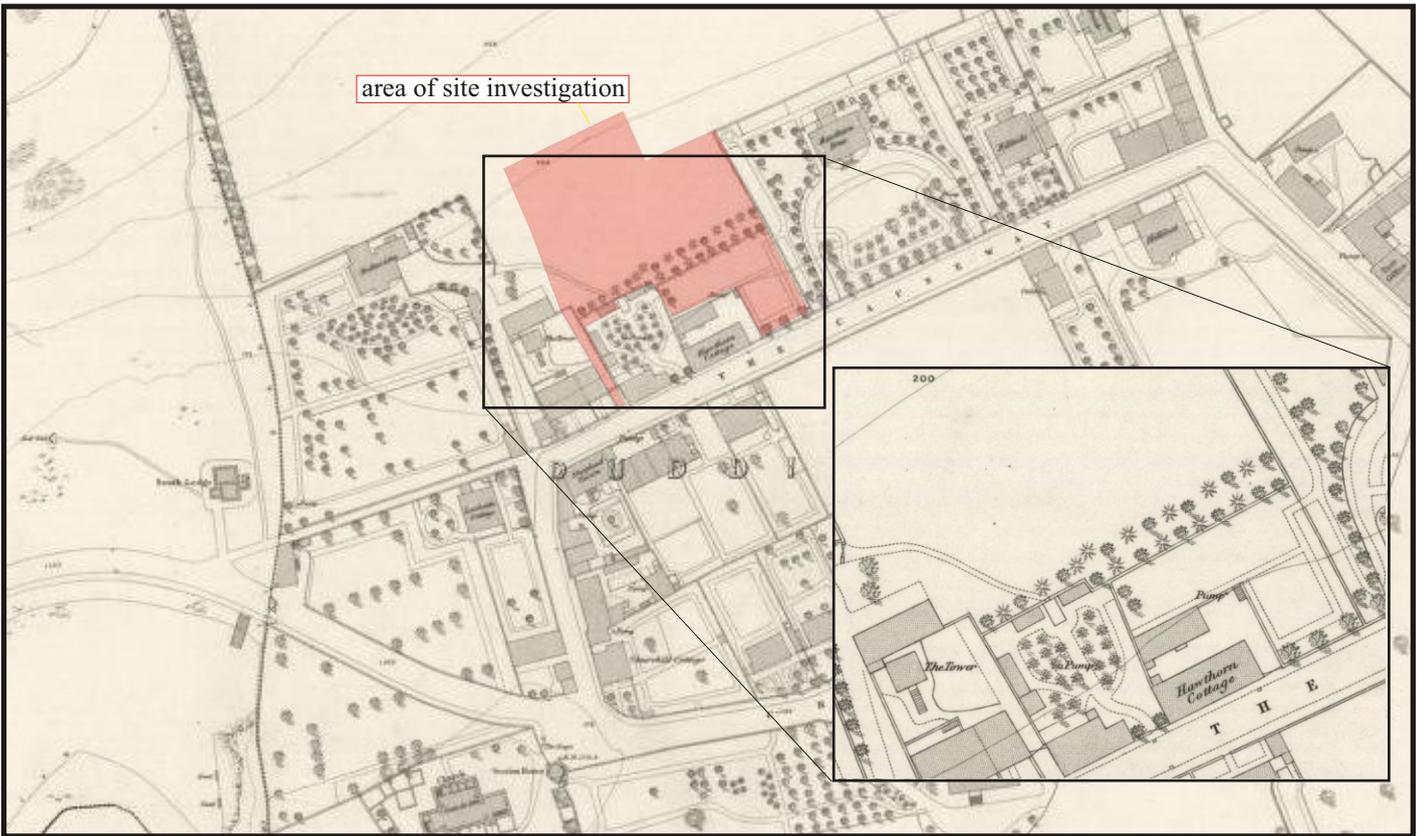


Figure 25: OS Edinburgh Town 1876-7 Duddingston

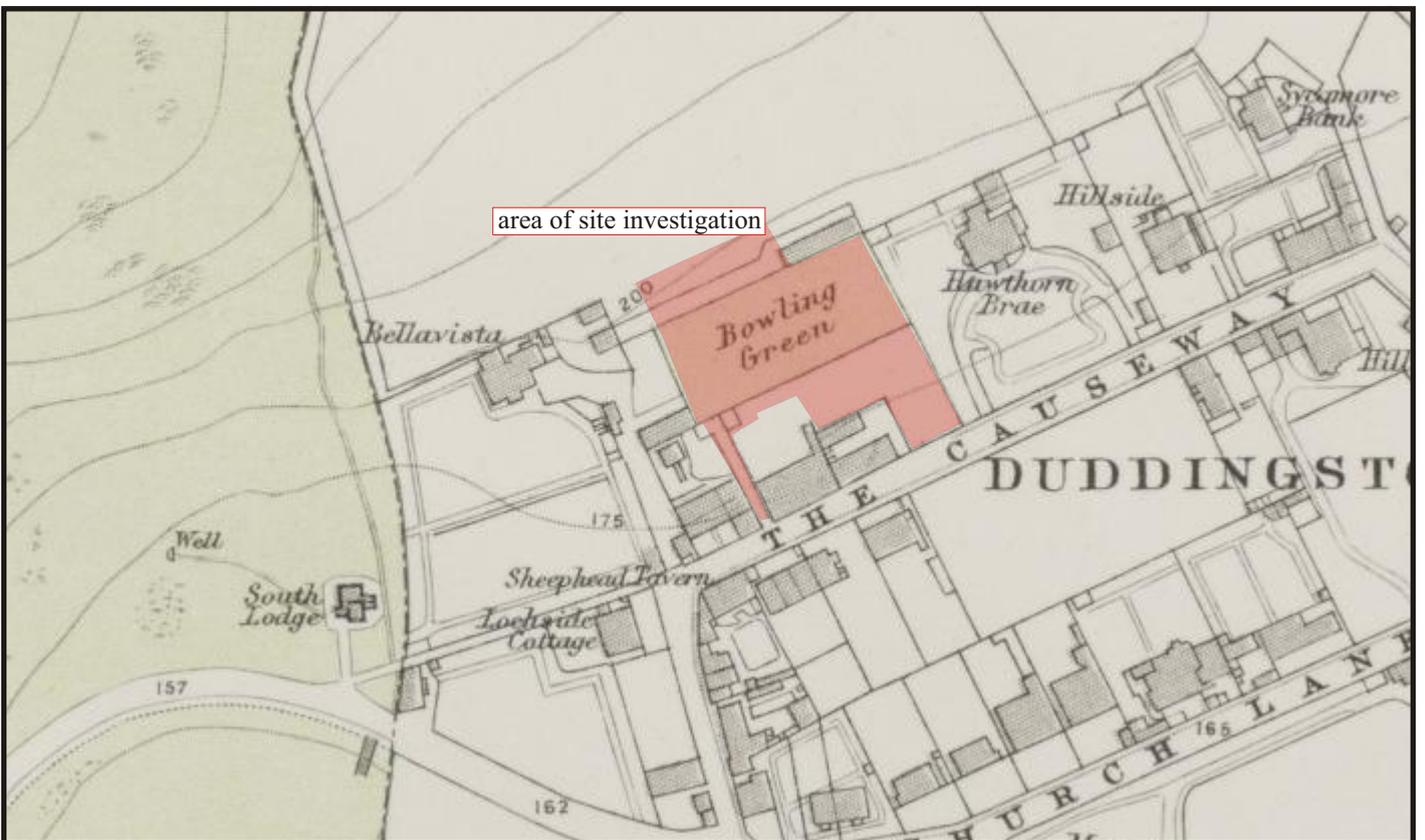
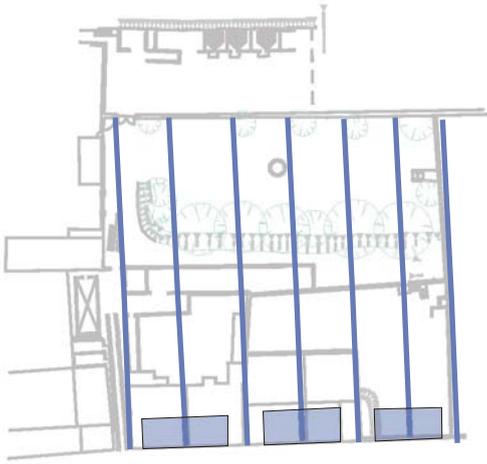


Figure 26: Bartholomew's Plan of the City of Edinburgh with Leith & Suburbs 1893



Phase 1 (pre 18th? conjectural)



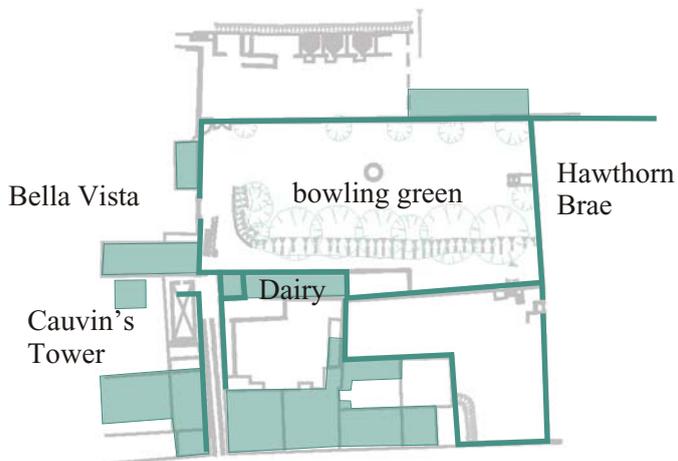
Phase 2 (Duke of Argyll's Improvement c. 1745s)



Phase 3 (late 18th century alterations)



Phase 4 (early 19th century alterations)



Phase 5 (later 19th century reorganisation)



Phase 6 (20th century construction)

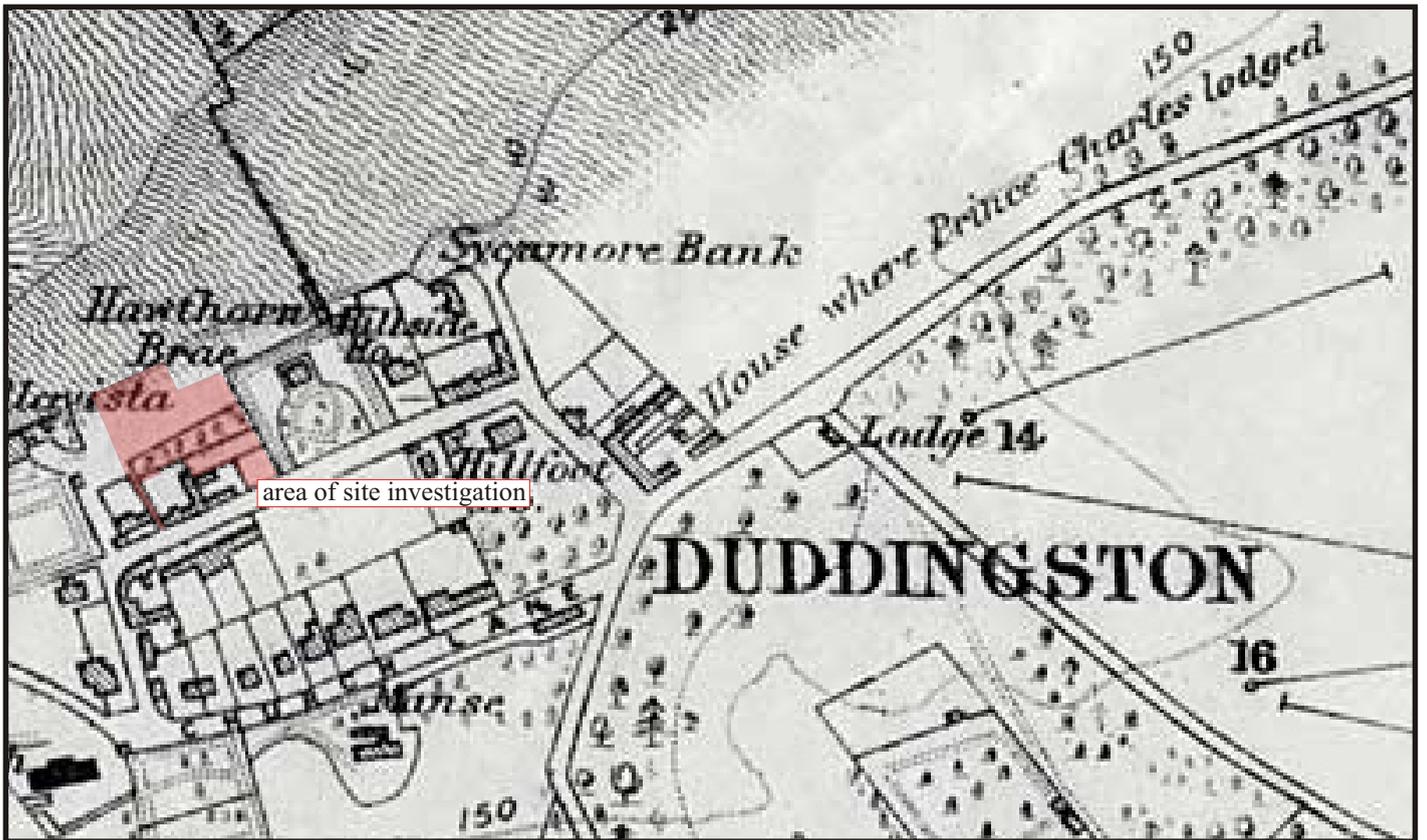


Figure 27: Edinburgh Post Office Map Duddingston 1915

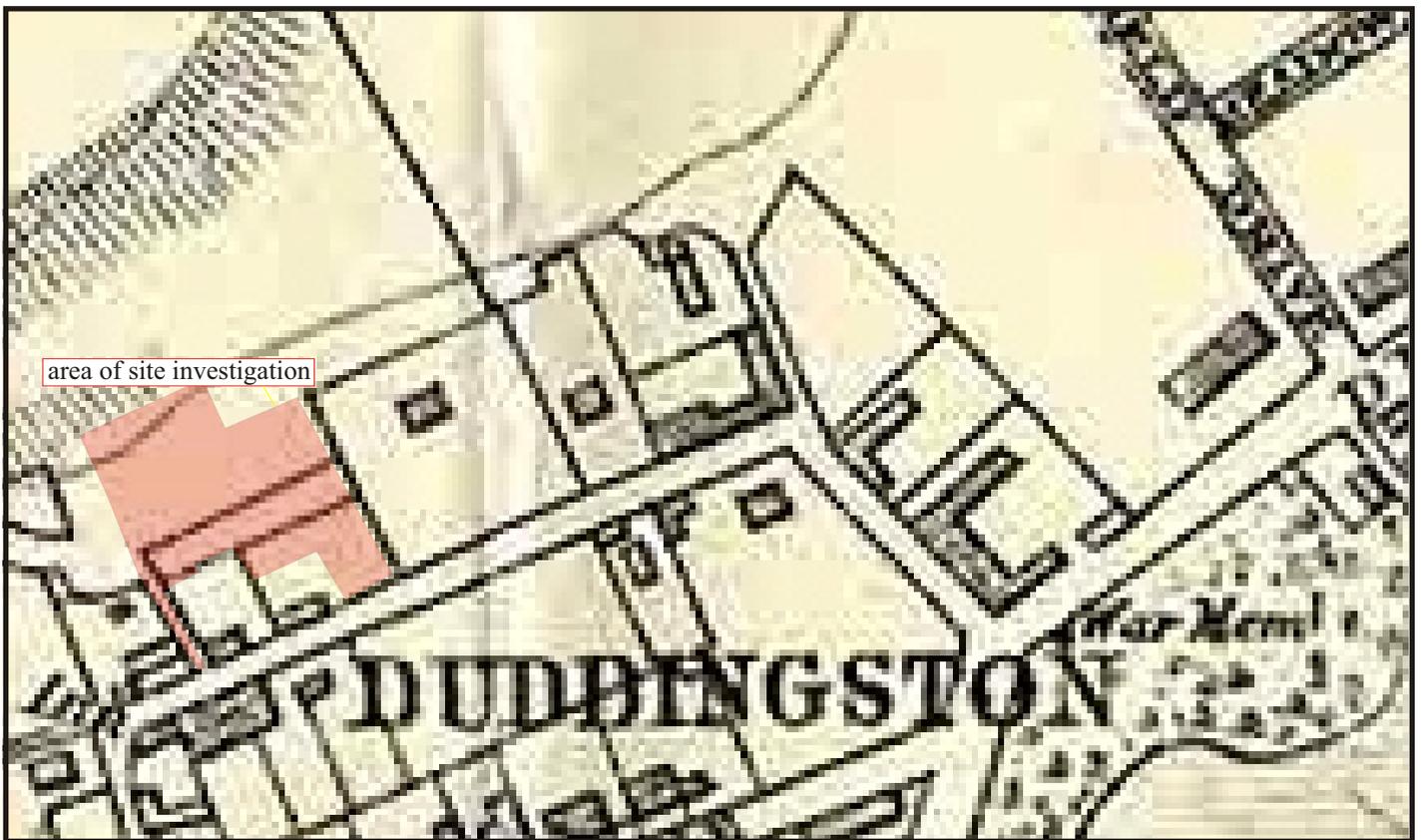


Figure 28: Edinburgh, Post Office Map Duddingston 1940



DCG07_001.JPG



DCG07_002.JPG



DCG07_003.JPG



DCG07_004.JPG



DCG07_005.JPG



DCG07_006.JPG



DCG07_007.JPG



DCG07_008.JPG



DCG07_009.JPG



DCG07_010.JPG



DCG07_011.JPG



DCG07_012.JPG



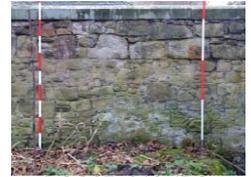
DCG07_013.JPG



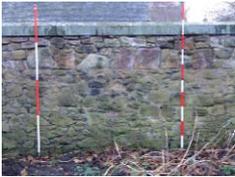
DCG07_014.JPG



DCG07_015.JPG



DCG07_016.JPG



DCG07_017.JPG



DCG07_018.JPG



DCG07_019.JPG



DCG07_020.JPG



DCG07_021.JPG



DCG07_022.JPG



DCG07_023.JPG



DCG07_024.JPG



DCG07_025.JPG



DCG07_026.JPG



DCG07_027.JPG



DCG07_028.JPG



DCG07_029.JPG



DCG07_030.JPG



DCG07_031.JPG



DCG07_032.JPG



DCG07_033.JPG



DCG07_034.JPG



DCG07_035.JPG



DCG07_036.JPG



DCG07_037.JPG



DCG07_038.JPG



DCG07_039.JPG



DCG07_040.JPG



DCG07_041.JPG



DCG07_042.JPG



DCG07_043.JPG



DCG07_044.JPG



DCG07_045.JPG



DCG07_046.JPG



DCG07_047.JPG



DCG07_048.JPG



DCG07_049.JPG



DCG07_050.JPG



DCG07_051.JPG



DCG07_052.JPG



DCG07_053.JPG



DCG07_054.JPG



DCG07_055.JPG



DCG07_056.JPG



DCG07_057.JPG



DCG07_058.JPG



DCG07_059.JPG



DCG07_060.JPG



DCG07_061.JPG



DCG07_062.JPG



DCG07_063.JPG



DCG07_064.JPG



DCG07_065.JPG



DCG07_066.JPG



DCG07_067.JPG



DCG07_068.JPG



DCG07_069.JPG



DCG07_070.JPG



DCG07_071.JPG



DCG07_072.JPG



DCG07_073.JPG



DCG07_074.JPG



DCG07_075.JPG



DCG07_076.JPG



DCG07_077.JPG



DCG07_078.JPG



DCG07_079.JPG



DCG07_080.JPG



DCG07_081.JPG



DCG07_082.JPG



DCG07_083.JPG



DCG07_084.JPG



DCG07_085.JPG



DCG07_086.JPG



DCG07_087.JPG



DCG07_088.JPG



DCG07_089.JPG



DCG07_090.JPG



DCG07_091.JPG



DCG07_092.JPG



DCG07_093.JPG



DCG07_094.JPG



DCG07_095.JPG



DCG07_096.JPG



DCG07_097.JPG



DCG07_098.JPG



DCG07_099.JPG



DCG07_100.JPG



DCG07_101.JPG



DCG07_102.JPG



DCG07_104.JPG



DCG07_105.JPG



DCG07_106.JPG



DCG07_107.JPG



DCG07_108.JPG



DCG07_109.JPG



DCG07_110.JPG



DCG07_111.JPG



DCG07_112.JPG



DCG07_113.JPG



DCG07_114.JPG



DCG07_115.JPG



DCG07_116.JPG



DCG07_117.JPG



DCG07_118.JPG



DCG07_119.JPG



DCG07_120.JPG



DCG07_121.JPG



DCG07_122.JPG



DCG07_123.JPG



DCG07_124.JPG



DCG07_125.JPG



DCG07_126.JPG



DCG07_127.JPG



DCG07_128.JPG



DCG07_129.JPG



DSCF1004.JPG



DCG_08_001.JPG



DCG_08_002.JPG



DCG_08_003.JPG



DCG_08_004.JPG



DCG_08_005.JPG



DCG_08_006.JPG



DCG_08_007.JPG



DCG_08_008.JPG



DCG_08_009.JPG



DCG_08_010.JPG



DCG_08_011.JPG



DCG_08_012.JPG



DCG_08_013.JPG



DCG_08_014.JPG



DCG_08_015.JPG



DCG_08_016.JPG



DCG_08_017.JPG



DCG_08_018.JPG



DCG_08_019.JPG



DCG_08_020.JPG



DCG_08_021.JPG



DCG_08_022.JPG



DCG_08_023.JPG



DCG_08_024.JPG



DCG_08_025.JPG



DCG_08_026.JPG



DCG_08_027.JPG



DCG_08_028.JPG



DCG_08_029.JPG



DCG_08_030.JPG



DCG_08_031.JPG



DCG_08_032.JPG



DCG_08_033.JPG



DCG_08_034.JPG



DCG_08_035.JPG



DCG_08_036.JPG



DCG_08_037.JPG



DCG_08_038.JPG



DCG_08_039.JPG



DCG_08_040.JPG



DCG_08_041.JPG



DCG_08_042.JPG



DCG_08_043.JPG



DCG_08_044.JPG



DCG_08_045.JPG



DCG_08_046.JPG



DCG_08_047.JPG



DCG_08_048.JPG



DCG_08_049.JPG



DCG_08_050.JPG



DCG_08_051.JPG



DCG_08_052.JPG



DCG_08_053.JPG



DCG_08_054.JPG



DCG_08_055.JPG



DCG_08_056.JPG



DCG_08_057.JPG



DCG_08_058.JPG



DCG_08_059.JPG



DCG_08_060.JPG



DCG_08_061.JPG



DCG_08_062.JPG



DCG_08_063.JPG



DCG_08_064.JPG



DCG_08_065.JPG



DCG_08_066.JPG



DCG_08_067.JPG



DCG_08_068.JPG



DCG_08_069.JPG



DCG_08_070.JPG



DCG_08_071.JPG



DCG_08_072.JPG



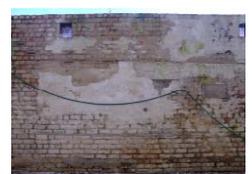
DCG_08_073.JPG



DCG_08_074.JPG



DCG_08_075.JPG



DCG_08_076.JPG



DCG_08_077.JPG



DCG_08_078.JPG



DCG_08_079.JPG



DCG_08_080.JPG



DCG_08_081.JPG



DCG_08_082.JPG



DCG_08_083.JPG



DCG_08_084.JPG



DCG_08_085.JPG



DCG_08_086.JPG



DCG_08_087.JPG



DCG_08_088.JPG



DCG_08_089.JPG



DCG_08_090.JPG



DCG_08_091.JPG



DCG_08_092.JPG



DCG_08_093.JPG



DCG_08_094.JPG



DCG_08_095.JPG



DCG_08_096.JPG