

14-16 Union Street, Edinburgh: Historic Building Recording

Data Structure Report



by Liam McKinstry


issued 9th May 2018

on behalf of Sundial Properties (Gilmerton) Ltd

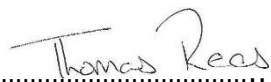
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Introduction

1. This Data Structure Report reports on a programme of Historic Building Recording undertaken at 14-16 Union Street, Edinburgh (Figure 9a). In addition this report proposes appropriate consequent archaeological mitigation.
2. This document has been prepared for Sundial Properties (Gilmerton) Ltd by Rathmell Archaeology Limited in support of the partial demolition and refurbishment works at 14-16 Union Street and 24 Forth Street, Edinburgh. These properties stand within the Old and New Towns of Edinburgh World Heritage Site and the New Town Conservation Area, a townscape rich in listed buildings.
3. City of Edinburgh Council Archaeology Service (the Curator) has specified through an appended condition (17/03993/FUL) that the Applicant shall secure the implementation of a programme of archaeological works commencing with historic building recording. A Written Scheme of Investigation (Rees 2018) providing the detail of these works was agreed with the Curator, who advises the City of Edinburgh Council (the Planning Authority).

Project Works

4. The programme of mitigation commenced with archive consultation and historic building recording, undertaken by Rathmell Archaeology Ltd consistent with the terms described in the Written Scheme of Investigation (Rees 2018).
5. Archive consultation of accessible cartographic and documentary sources was undertaken in order to compile the baseline for the proposed application area and the immediate 20m surrounding this area – the combined coverage being the Study Area.
6. Historic building recording to meet the Enhanced Level (Historic Building Recording Guidance 2013, ALGAO:Scotland) was then undertaken. This generated a record for the historic fabric subject to change prior to the impact occurring.
7. The record encompassed a photographic record; a written record; and the annotation of architectural survey plans and elevations of the existing structures. In greater detail, these comprised:
 - ❖ a written record of the structures, including comment on the condition, construction techniques, materials, fixtures and fittings and an interpretation of function;
 - ❖ a photographic record of exterior elevations, details of interior elements and general views to place the structures in its immediate landscape to show changes or temporary exposure of fabric within the structure; and
 - ❖ annotation of architectural survey plans and elevations of these existing structures which incorporate historic fabric to identify location, character and phasing of historic fabric supplemented where necessary by additional measured drawings.
8. Where architectural detail was located that was not recorded by the existing architectural survey plans and elevations, the latter were refined and enhanced to a common standard in order to reflect these.
9. The product of the assessment and building recording is this report containing a summary of the work undertaken and a baseline of the archaeological resource present.
10. All works were conducted in accordance with Edinburgh City Council Archaeological Service Standard Conditions, the Chartered Institute for Archaeologists' Standards and Policy Statements and Code of Conduct and Historic Environment Scotland Policy Statements.



Historical and Archaeological Background


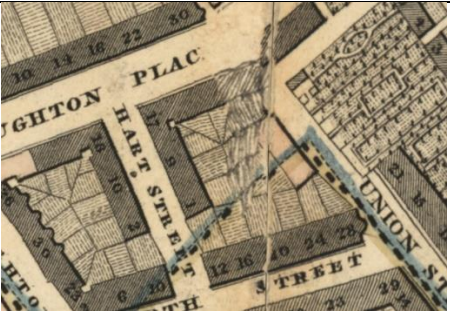


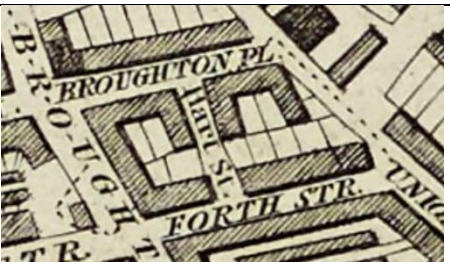

11. The earliest record of occupation close to the development site is the village of Picardy. In 1730 a five acre feu was acquired by the city of Edinburgh from the Heriot Trust,




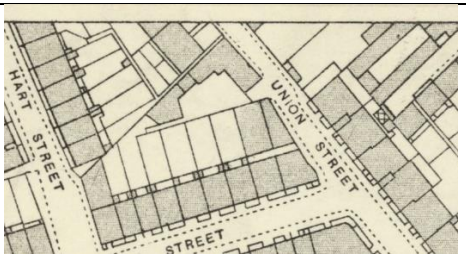


supposedly to support a colony of silk weavers who had fled France following the repeal of the edict of Nantes in 1685. A row of thirteen houses was constructed for the weavers: their exact location is not confidently known, but is likely to have been in the vicinity of present day Picardy Place, slightly to the south of the development area at the junction of Broughton Street and Leith Walk (Canmore ID 135388). The village was acquired by the Commissioners for the Improvement of Manufacturers in Scotland and developed as part of the construction of Edinburgh's New Town.



12. The buildings on Forth Street and Union Street were part of a program of works by the architect Robert Burn in the area of the former village, with the area of 14-16 Union Street originally comprising garden plots for 24 to 30 Forth Street. Nos. 24, 26 and 28 are all accessed from Forth Street while No. 30 is accessed from Union Street. These four structures are all category B Listed Buildings. 28 to 30 Forth Street is a 2-storey structure comprising a terraced corner tenement with bowed corner bay, with mansard attic and basement. The building is constructed of sandstone ashlar. The buildings on the rest of the street are similar. Ainslie's 1804 map depicts a mixture of proposed and constructed buildings. He shows the entire block of structures between Forth Street, Union Street and East Broughton Place as already constructed. However, Scott's 1805 map only shows the row of buildings along Forth Street, with open gardens behind. Nevertheless it is likely that the houses along Forth Street had been built by 1805.
13. The gardens behind 24 to 30 Forth Street appear to have remained unaltered until at least the 1850s, when all three gardens are shown on the 1852 Ordnance Survey map. On the 1877 map, the garden of 28 to 30 had by this time been built over, the new structure connecting directly on to the original without the modern day lane. The 1905 Ordnance Survey shows both the extension of 28 to 30 and a new building in the garden of 26 Forth Street. This new building appears to be separated from 26 by a small lane. The 1912 Ordnance Survey map shows that the building in the garden of 28 and 30 is now also separated from the original structure by a small lane. The 1949 Ordnance Survey map shows that the buildings behind 26 and 28-30 had been combined, likely into the modern flat roofed building. In addition the garden of 24 had now been built on, with the new building appearing to be an extension of the existing structure. Aerial photographs from both 1958 and 1961 show the current flat roofed building next to its pitched roof predecessor.

Table 1: Map and Image sequence by survey date

Date	Source	Comment	Image
1752-55	Roy, William <i>Military survey of Scotland (Lowland)</i>	Shows location of Pic(k)ardy village	
1804	Ainslie, John <i>Old and New Town of Edinburgh and Leith with the proposed docks</i>	Likely proposed location of houses on Forth and Union streets	

1805	R. Scott <i>The Strangers Guide, being a Plan of Edinburgh & Leith exhibiting all the streets principal buildings ...</i>	Terrace of houses along Forth Street with gardens behind.	
1817	Kirkwood, Robert <i>This plan of the City of Edinburgh and its environs</i>	As 1805	
1821	Kirkwood, James <i>Kirkwood's new plan of the City of Edinburgh</i>	As 1805	
1831	Wood, John & Brown, Thomas <i>Plan of the City of Edinburgh, including all the latest and intended improvements.</i>	As 1805	
1838-9	Lizars, W. H. <i>Plan of Edinburgh and Leith. From the best Authorities. Engraved expressly for the Letter Carriers Directory ...</i>	As 1805	
1852	Ordnance Survey, <i>Edinburgh Sheet 25</i>	As 1805	

1877	Ordnance Survey, <i>Edinburgh Sheet 25</i>	Terrace of houses along Forth Street and structure extending behind 28 to 30.	
1894	Ordnance Survey <i>Town Plan of Edinburgh-Sheet III.8.1</i>	As 1877	
1905	Ordnance Survey <i>Edinburghshire, III.8</i>	New structure in garden of 26 Forth Street separated by retained open strip.	
1912-14	Ordnance Survey <i>Edinburghshire, III.8</i>	Structures behind both 26 and 28 to 30 Forth Street separated from original buildings by small lane.	
1931	Ordnance Survey <i>Edinburghshire, III.8</i>	As 1912-14.	
1949-50	Ordnance Survey Sheets <i>NT2574 - A</i> and <i>NT2674 - A (includes: Edinburgh)</i>	Structures behind 26 and 28 to 30 Forth street combined into current building. 24 Forth Street has been extended into garden.	

1958	Aerial Photograph March 1958	Oblique aerial photograph showing current flat roofed building and pitched roof building.	
1961	Aerial Photograph July 1961	Aerial photograph showing current flat roofed building and pitched roof building.	

Historic Building Recording Findings

14. The Historic Building Survey was carried out on the Friday 13th April 2018. The aim of the survey was to make provisional identification (both definite and possible) of the historic fabric that was observable within the interior or the exterior of the buildings, in particular to any elements relating to the Old and New Towns of Edinburgh World Heritage Site.
15. At the time of writing No. 14-16 Union Street, Edinburgh consisted of two separate adjoining buildings, comprising 14 to 16 Union Street, and a building attached to 24 Forth Street by a first floor, raised, corridor. For the purposes of this report, the buildings will be discussed in terms of the four building phases and the five buildings (including building alterations) which have occurred over the years within the footprint of the two present buildings. The earliest phase (noted on the Ordnance Survey map of 1877 – see Table 1), described here as 'Building 1,' centres on the subrectangular building (depicted as a workshop on the Ordnance Survey historic mapping). This fronted onto Union Street and was built up against the rear of 30 Forth Street (Figure 8). It is possible that elements of this building may have reused an earlier garden/retaining wall linked to a number of other walls marking out the garden plots behind the houses on Forth Street. The second phase, Building 2, centred on the construction of a rectangular building against the west facing elevation of Building 1 c. 1905 (see Table 1). The third phase, described as 'Building 1a,' consisted of a later alteration to Building 1 which occurred between 1905 and 1912-14 (see Table 1) and which involved its reduction in size with the creation of a lane or gap between the building and the rear of 30 Forth Street (Figure 8). The fourth phase, Buildings 3 and 4, centred on the demolition of Building 2 sometime between 1931 and 1949-50 (see Table 1) and the partial demolition of Building 1a to make way for the construction of Building 3 and Building 4 around 1949-50 (Figures 1-8).

Phase 1 – Building 1

16. Building 1 was located within the basement level (Room 10a) of 14 to 16 Union Street (Figure 8) and represents late 19th century structural elements incorporated into the basement level of the later 20th century Building 4. The dimensions of the surviving elements of the building would have been 14.5m from north to south, 6m from east to west (at the buildings southern end) and 4m from east to west (at the buildings northern end). The height of Building 1's surviving structural elements within the basement was



Figure 1: East facing elevation of Buildings 3 and 4.



Figure 2: North facing elevation of Building's 3 and 4 and the early 19th century garden/retaining wall.



Figure 3: West facing elevation of Building 3, including the raised platform/roof and corridor.



Figure 4: South facing elevation of Building 3 and 4.

2.4-2.5m (between the existing floor and ceiling levels) but it may have been higher originally.

17. The main surviving internal elements of Building 1 consisted of part of the south-facing (slightly curved) wall and the west-facing wall (Figures 11a and 12a). Most of the west-facing wall consisted of a snecked rubble wall though a section of this wall (5.5m from the northern end of Building 1) appears to have been repaired or rendered at a later point with cement and paint. The northernmost end of the wall was also of snecked rubble construction but showed signs of later repair in the upper part of the wall using brick. The internal face of the curving south-facing wall and the northernmost part of the west-facing wall were relatively straight faced (Figure 11a) though at 5.5m from the northern end of the building the wall was battered, projecting out at floor level for 0.5m and 0.3m where it met a later 20th century window (associated with Building 4) which ran much of the length of the west facing wall (Figure 11b). It is possible that this battered section of the west facing wall may be a stretch of reused early 19th century walling associated with the garden plots behind the buildings on Forth Street.

Phase 2 – Building 2

18. The second phase was only partially identified and consisted of a rectangular structure, Building 2. Building 2 was first noted in Ordnance Survey mapping from 1905 (see Table 1), built up against the west facing side of Building 1 and the rear garden wall separating the gardens behind 24 and 28 Forth Street leaving a gaps (which would later become a lanes) to the north and south. The building would have measured 18m from north to south and 10 m from east to west. No surviving structural elements of Building 2 were noted during the historic building survey.

Phase 3 – Building 1a

19. The third phase identified consisted of an alteration to Building 1, creating 'Building 1a.' This alteration was identified within the basement level, Room 10a, of 14 to 16 Union Street (Figure 8) where the southern end of the building had been removed/shortened to create a lane between the rear of 30 Forth Street and Building 1a (see Table 1). The dimensions of the Buildings 1 and 1a combined would have been 22m from north to south and 9m from east to west (at the building's southern end) and 4m from east to west (at the building's northern end). The now-altered part of the building would have measured 5m from north to south and 9m from east to west. The height of Building 1a's structural elements within the basement was 2.5m (between the existing floor and ceiling levels) but it may have been higher originally. The overall dimensions of Building 1a were 18m from north to south, by 8m from east to west (at the building's southern end) and 4m from east to west (at the building's northern end).
20. The main surviving internal elements of Building 1a consisted of a west-facing brick wall (a continuation of the sandstone wall of Building 1), a north-facing red brick wall and the partial remains of an east-facing brick wall. These brick walls most likely date to the late 19th century, with the north facing wall representing an internal wall reused as an exterior wall, though there is the possibility that some elements date to the later early 20th century alteration to Building 1. The west-facing wall measured 3.2m from north to south and showed indications of a battered wall close to where it joined the sandstone wall of Phase 1, Building 1 and the lower half of a possible bricked up door or access way (which looked to lie below the current street level on Union Street). The north-facing wall was mainly constructed from red brick but there were patches of lighter cream-coloured brick used in places which could suggest repairs. The wall measured 7m in length with a brick-built recess located 4m from its eastern end. The recess was rectangular shaped (measuring 2.5m high and 1.2m wide) and square in plan (measuring 1.4m from north to south and 1.2m from east to west). At the rear of the recess (bottom eastern side) was a rectangular shaped hole (1.08m high by 0.6m wide) through which a concreted chute descended, presumably from an area off the ground floor of 14-16 Union Street or its external south facing wall (Figure 12b). This chute (Figure 13a) was most likely for the delivery of coal from the lane or building above. The presence of the recessed area and coal chute demonstrates that there is a horizontal gap of 1.5m-2m between the basement level's

internal north-facing wall and the external ground floor south-facing wall of Building 4. The remains of the east-facing wall were similar to the north-facing wall with what appeared to be later repairs present.

Phase 4 – Buildings 3 and 4

21. The fourth phase (Figures 1-8) consisted of Buildings 3 and 4 which were both first noted on the Ordnance Survey maps of 1949-50. This suggests that they were constructed between 1931 (the date of the previous Ordnance Survey map edition) and 1949-50, though it is unclear if there was a gap between the construction of these buildings or if they were contemporary.

Building 3

22. Building 3's footprint was located within the area encompassed originally by 24 Forth Street's garden plot, which measured 18m from north to south and 10 m from east to west. The building consisted of an attic (inaccessible), 1st floor, ground floor and a set of emergency stairs which may re-use previously-existing stairs and which cuts into a natural raised terrace which formed 24 Forth Street's garden. The emergency stairs exited out onto the North Lane through an early 19th century garden/retaining wall which marked the northern extent of the gardens behind Forth Street (Figure 14a and 15a).
23. The north-facing elevation of this building (Figure 2) was of red brick construction. The elevation consisted of two bays with five asymmetrically-placed windows (two on the 1st floor and three on the ground floor). The building was constructed on a raised terrace which had once been the garden of 24 Forth Street. Because of this an emergency exit belonging to the building had broken through a surviving stretch of early 19th century, north-facing, wall (Figure 15a) which was essentially at basement level. The west-facing elevation was of red brick construction built in Scottish bond (Figure 3). The elevation measured four bays in length with four regularly spaced windows at 1st floor level, and three windows and a door with modern roller shutter on the ground floor. This ground floor door seems to have been a later addition as a sandstone lintel at a similar height and of similar dimensions to the other windows and was located above the door, with the remains of the top part of the window filled in with grey brick and cement over the doorways thin concrete lintel. The south-facing elevation (Figure 4) abutted a raised platform/roof and corridor between the ground and 1st floors. The upper elevation consisted of off white coloured glazed brick with the lower elevation being a mix of painted pebble dashing and breeze block, suggesting that part of the lower elevation had at one time been more open. There was also the remains of a brick wall beneath the eastern end of the platform/roof which projected out 0.1m and was most likely part a north to south orientated wall, possibly forming the side of a structure joining Building 3 to 24 Forth Street. The south facing elevation consisted of four bays with three windows and the raised corridor on the 1st floor and 1 window and recessed doorway on the ground floor. Only the 1st floor of the east facing elevation (Figures 1) was visible as Building 4 was built up against its ground floor level. The 1st floor elevation was constructed with red brick and had four bays with four windows. The roof of Building 3 (Figure 17b) was pitched on its northern side and hipped on its southern. The building materials used for its construction consisted of grey slate with metal sheeting (possibly lead) used for the ridges. A large rectangular metal ventilator occupied a central position on the roof ridge.
24. The raised corridor (Room 11b) which joined the 1st floors of Buildings 3 and 24 Forth Street was located 2.5m from the west on Building 3's south facing elevation (Figures 17a). The raised corridor, which was faced with off white coloured glazed brick and had a width of 1.6m, rested upon a raised platform/roof, which had a width of 10m matching the east to west length of Building 3. At present there is one bay within the raised corridor with single modern windows on its west and east sides. A modern looking concrete lintel with a support under the raised platform on its west-facing side and the presence of two



Figure 5: Roof plans of Building 3 and 4.

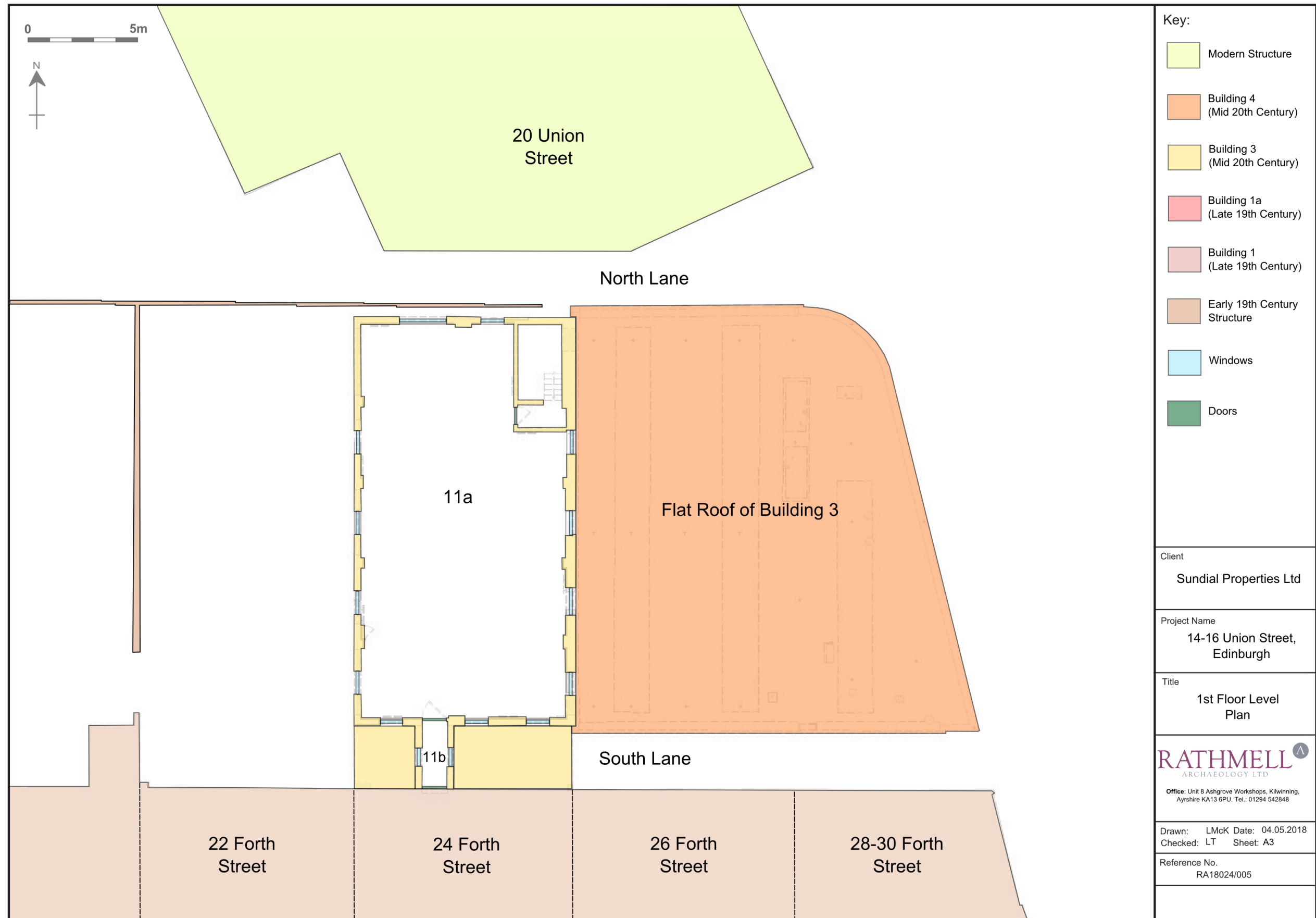


Figure 6: 1st floor plan (with room numbers) of Building 3.



Figure 7: Ground floor plan of Buildings 3 and 4 (with room numbers).

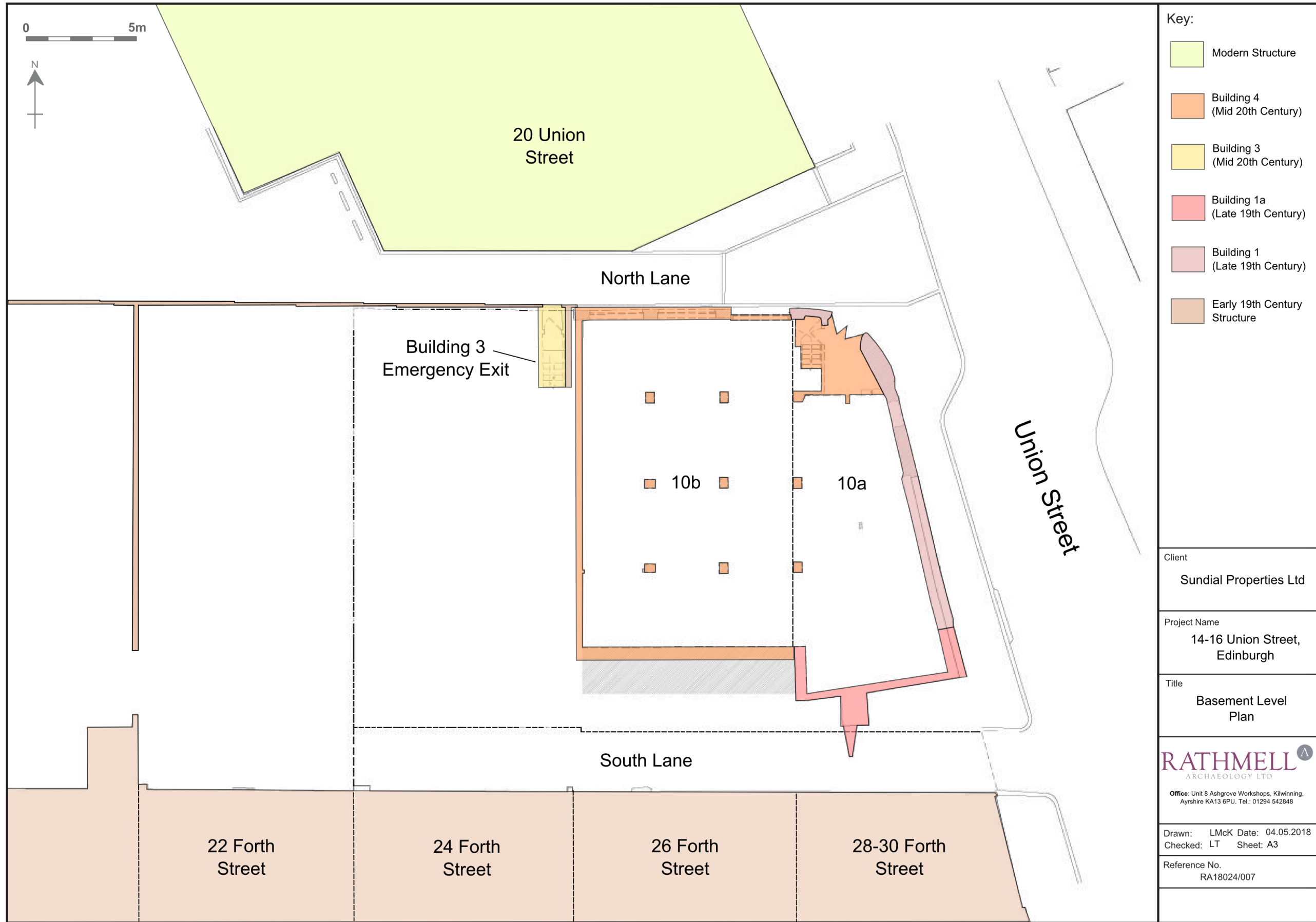


Figure 8: Basement level of Building 4 showing earlier Building 1 and 1a elements.

redundant sky lights on either side of the raised corridor, the use of breeze block on Building 3's ground level southern elevation and the remains of a possible north to south orientated wall also on Building 3's southern elevation would suggest that the raised platform formed the roof of an original ground level structure which joined the two buildings (Figure 17a). Most of this structure was demolished sometime in the 20th century with the roof being retained so that the raised corridor could be built opening up the south lane so the rear garden area could be used for parking.

25. The attic within Building 3 could only be accessed via a small gap in the suspended ceiling of the 1st floor. No structural elements of the roof could be viewed as they had been covered by what appeared to be painted plaster board or wood panelling.
26. The 1st floor of Building 3 consisted of one large open plan room, Room 11a (Figure 14b). Access to the room was via a doorway in the northeast corner leading to a stairwell (see below). The ceiling consisted of a suspended ceiling with integrated lighting panels. The walls appeared to have a modern painted plaster finish with four windows on the east and west facing walls, two on the south-facing wall and three on the north-facing wall. All of the windows had modern double glazing. A plastic covered conduit for internet and power sockets was located centrally along the walls to accommodate work stations or desks. The skirting board was plain and painted and the floor was carpeted. A door on the north-facing wall led into Room 11b which was a raised corridor leading to 24 Forth Street. The corridor was decorated in a similar fashion to Room 11a.
27. The ground floor of Building 3 consisted of six rooms (Rooms 12-17). Rooms 12 and 13 (Figures 15b) were located at the northern end and had modern suspended ceilings and painted plastered walls. There were two windows on the south-facing walls in each room with Room 13 having a door accessing the garden on its east-facing wall. The north-facing walls of each room contained doors leading to Room 14 and also had internal windows. There were a number of power sockets in each room as well as fittings for shelving on the walls and fixed corner platforms for the placing of scientific equipment. The skirting was plain and painted with linoleum flooring. Room 14 and 15 (Figure 15b) were located centrally and at the southwest part of the building. They were decorated in a similar fashion to Room 11a on the 1st floor but the suspended ceiling had been removed and there were numerous cables hanging down within the rooms. Room 14 had an access corridor to the stairwell up to the 1st floor, one window and a set of double doors on its east facing wall. An open doorway in the room's north-facing wall led to Room 15. Room 15 had two windows on its east-facing wall, one on its north-facing wall and a doorway leading to Room 17 on its west-facing wall. Room 17 (Figure 16a) was accessed via a small recessed doorway off the lane to the south of Building 3 and a doorway entering this recess from Room 15. The room was decorated in a similar fashion to that found in Rooms 12 and 13 with the exception of the south facing wall which was covered with varnished wood panelling. There were no windows within the room which was lit by strip lighting attached to the suspended ceiling. There was fixed shelving on the rooms north and west facing walls and a fixed workstation in the northwest corner of the room above which was a metal panel which contained a series of sockets for cabling. A doorway on the south facing wall, which led into Room 16, was covered in wood panelling with the doorframe being steel. A small steel mesh panel was fixed to the door, possibly an observation window for viewing activities within Room 16 (Figure 16a). All of Room 16's walls and its ceilings were covered in a mix of wood panelling, similar to that found in Room 17, and panels covered with moulded foam obelisks (Figure 16b). The flooring within the room consisted of dark foam padding with a fixed workstation located in the centre of the room.

Building 4

28. Building 4 was located adjacent to Union street and to the north of 30 Forth Street and measured 18m from north to south, 13m from east to west (northern end) and 19m from east to west (southern end) (Figures 1, 2, 4, 7 and 8). The building consisted of a ground floor and a basement level which incorporated the remains of earlier structures (see Buildings 1 and 1a).
29. The north-facing elevation of the building (Figures 2) was constructed of what appeared to

be painted curved stone blocks (or formed concrete marked to look like stone blocks) at its east end and red brick (similar to Building 3) for the remainder. The elevation contained four bays with three windows on the ground floor and two windows and two sets of double doors at basement level (adjacent to the North Lane). The east-facing elevation of the building (Figure 1) was constructed of what appeared to be painted curved stone blocks (or formed concrete marked to look like stone blocks). The ground floor elevation contained five bays with one large extended glass frontage and a set of adjoining glass double doors. The lower elevation had three bays which consisted of painted wood or plaster board panelling which covered earlier elements of Building 1 (namely its windows set at street level – see above). The south-facing elevation of the building (Figure 4) was constructed of red brick (similar to Building 3). The elevation contained five bays which contained one large bricked up opening and an existing emergency door at its western end and two bricked up windows and one bricked up doorway at the eastern end. The roof of Building 4 was flat and covered with what appeared to be waterproof membrane or sheeting. There were a number of metal vents, extractor fans and small skylights within the building's roof.

30. The ground floor of Building 4 consisted of 12 rooms (Rooms 1a-9b) (Figure 7). Room's 1a-2 were located in the south-eastern part of the ground floor and consisted of three small storage rooms. The suspended ceiling within the rooms had been removed exposing wiring and steel roof supports. The walls were a mixture of painted brick, unpainted wood panelling and painted plastered walls. Where they survived the skirting boards were plain and painted with the flooring poured concrete covered in places with linoleum tiling. There was a doorway in the south-facing wall of Room 1b and a narrow internal window and large opening in the south-facing wall of Room 2. Rooms 3 and 4 (Figures 9b and 10a) formed two large open plan rooms (L-shaped in plan) in the eastern and northern parts of the building. Both rooms had suspended ceilings which in places was missing or damaged. Painted steel roof supports protruded from this ceiling and rested on a series of steel supports which ran from the ceiling to the poured concrete flooring. The walls of both rooms consisted of mainly painted brick, though much of the west facing wall of Room 3 was taken up with the glass frontage and the glass double doors. There was a wide opening between the two rooms and a set of narrow stairs at the northern part of Room 3 which led down into the basement level. Room's 5-8b (Figure 10b) were located within the south-western part of the ground floor and centred on a small corridor. All of the rooms had modern suspended ceilings with integrated lighting panels. The walls within the rooms were all of modern painted plaster finish with light switches and power sockets, often located within plastic-covered conduits at a height suitable for desks and workstations. The skirting within the rooms was plain and painted with the flooring consisting of either carpet or carpet tiles. The last rooms on the ground floor, Rooms 9a and 9b, comprised a small corridor which gave an access to the southern lane outside Building 4 and a set of toilets with modern fittings and décor (though in a state of disrepair) throughout.
31. The basement level of Building 4 (Figures 8) consisted of one large open plan area divided into two, Rooms 10a and 10b. The easternmost part, Room 10a (Figures 11a), contained structural elements relating to the earlier 19th century Buildings 1 and 1a (see above). Within Room 10a the main elements relating to the 20th century were a raised wooden area located in the northernmost part of the room, to which a set of narrow wooden stairs descended from Room 3 on the ground floor, with a set of double doors leading out onto Union Street. The raised area was also partially partitioned by wooden boarding. A series of painted steel roof supports (which supported the poured concrete floor of the ground floor), steel columns and brick columns were surrounded by a poured concrete floor surface. A window, also part of Building 4, within the west facing wall of Building 1 was located 4m from the northern end of the building and had a length of 10m (Figure 10b). The sill at the northern end sat at 0.7m above floor level and the window had a height of 1.5m. The window sill sloped upwards along its length, mirroring the current street level on Union Street, and tapered to a point at the south end (Figure 10b). The window frame and sill was of painted wood and divided into a series of smaller rectangular glass panes by mullions set at regular intervals along its length. Close to the northern end of the window a section had been altered and was now covered by sections derived from old metal and wooden signage (depicting the Bank of Scotland and an American flag). The glass in the window had been replaced along its entire length on the outside with painted wood



Figure 9a: General view of 14-16 Union Street. From the SSW.



Figure 9b: View of Room 3 within building 4. From the S.



Figure 10a: View of Room 4 within Building 4. From the E.



Figure 10b: View of Room 6 within Building 4. From the SSW.



Figure 11a: Room of 10a within Building 1. From the SSW.



Figure 11b: View of window within Room 10a, Building 1. From the W.



Figure 12a: View of Room 10a (showing what may be part of earlier 19th century wall), Building 1. From the N.



Figure 12b: View of Room 10a showing N facing wall of Building 1a. From N.



Figure 13a: View of coal chute in N facing wall, Room 10a, Building 1a. From the N.



Figure 13b: View of Room 10b, Building 4. From the SSE.



Figure 14a: View of the N lane showing N elevations of Buildings 3 and 4 (and early 19th century wall). From the WNW.



Figure 14b: Room 11a within Building 3. From the N.



Figure 15a: Emergency stairs/door within basement level of Building 3. From the S.



Figure 15b: View of Room 14 (with Rooms 12 and 13 in background) within Building 3. From the S.



Figure 16a: View of S facing wall within Room 17, Building 3. From the S.



Figure 16b: View of Room 16, Building 3. From the S.



Figure 17a: View of raised corridor linking Building 3 to 24 Forth Street. From the NW.



Figure 17b: View of early 19th century walls behind Building 3. From the W.

panelling or plasterboard. Room 10b (Figures 12b) had a suspended painted plasterboard ceiling with strip lighting and exposed sections of painted steel roof supports which rested upon a series of painted brick columns (within the central part of the room) and steel columns (located against the north south and east facing walls). The walls were plastered and painted and there was a set of two windows and large roller shutter exit located on the south facing wall. The flooring was poured concrete.

Mitigation and Recommendations

32. The majority of the surviving structural elements at 14-16 Union Street – i.e. Buildings 3 and 4 - were built between 1931 and 1949-50, it is recommended that only the early to late 19th century historic fabric should be considered significant. Hence the significant historic fabric at 14-16 Union Street, Edinburgh is:
 - ❖ the late 19th century surviving walls for Buildings 1 and 1a in the eastern, southern and small parts of the northern and western walls of Room 10a of the basement level, some of which may be the reuse of an early 19th century garden/retaining wall associated with the properties on Forth Street; and
 - ❖ the early 19th century garden wall also lies beneath the base of Building 3 and within the building's emergency exit, which descends from the building's ground floor, exiting through a cut gap in the wall onto a lane off Union Street.
33. Where practicable this significant historic fabric should be considered for retention. In the event that the consented scheme requires its loss, we recommend that an archaeologist should be present during any demolition or construction impact on this fabric to enable a record of its loss.
34. Building 3 constructed from the 19th century garden level that is most likely infill to create this level surface, retained by the wall on rear lane. Hence beneath this structure is the potential for garden archaeology relating to the initial early 19th century use and any other earlier use.
35. Building 4 has, nearly full footprint, excavated its basement level through both the 19th century garden infill and the original ground surface to form this basement level where the finished floor level matches the north lane. Other than in the bounding walls of this basement level, there is no credible survival of Buildings 1 or 2. Within the existing footprint of this basement there is no credible survival of garden archaeology or earlier uses.
36. Based on the consented scheme that extends the basement level (in plan) and retains Building 3, we recommend that an archaeologist should also be present during any ground breaking works to extend the basement level (in plan) of Building 4 as such works may uncover remains relating to the early 19th century gardens behind Forth Street and earlier iterations of Building 1.
37. These archaeological works will help further research questions relating to the Old and New Towns of Edinburgh World Heritage Site (UNESCO) and the New Town Conservation Area, of which the early 19th century structural elements identified at 14-16 Union Street form a part of.
38. The appropriateness and acceptability of our recommendations rest with The City of Edinburgh Archaeology Service on behalf of The City of Edinburgh Council. Should these recommendations prove acceptable then the details of the working methods will be confirmed through an Addendum to the agreed Written Scheme of Investigation.

Conclusion

39. Archaeological monitoring works were undertaken on the 13th of April on behalf of Sundial Properties. This Data Structure Report covers the monitoring works requested by the City of Edinburgh Council Archaeology Service who advise the City of Edinburgh Council on archaeological matters.
40. The oldest surviving structural elements at 14-16 Union Street was the early 19th century

garden wall (first noted in Scott's map of 1805 – see Table 1) which was noted where an emergency exit from Building 3 cut through it on its north-facing elevation and the remains of the late 19th century Building 1 and 1a (first noted within the 1877 Ordnance Survey – see Table 1) within the basement level of 14-16 Union Street and later incorporated into Building 4. No traces of Building 2, which was noted in all the Ordnance Survey mapping from 1905 to 1931, was identified most likely because it had been completely demolished with the construction of Buildings 3 and 4 later in the 20th century (both first appeared in Ordnance Survey mapping from 1949-50 – see Table 1).

41. The early 19th century, east- to west-running, garden wall acted as a retaining wall for the gardens behind the houses on Forth Street with a series of north- to south-running walls dividing each house's garden plot. These walls survive in the present carpark areas behind Building 3 (Figure 17b) and behind the houses on Forth Street. Part of this wall may have been incorporated into the later 19th century structural elements making up Building 1 and 1a (Figures 11a) and in the stairwell at basement level exiting Building 3 onto the northern lane off Union Street (Figures 15a) though this is not entirely certain. It is unclear as to what function Buildings 1 and 1a served but the remains of the large stretch of window suggests it required good lighting so possibly it served as a workshop.
42. As no trace of Building 2 was identified during the survey its function and form can only be guessed at but its proximity to Buildings 1 and 1a and a timber yard to the north (noted in Ordnance Surveys between 1877 and 1949-50) would suggest that it served some storage or industrial function.
43. Buildings 3 and 4 also seem to have served some industrial function with Building 4 being labelled an 'engine works' in the 1949-50 Ordnance Survey and was most recently a print works. The large open plan basement level and open plan nature of Rooms 3 and 4 on the ground floor (both with poured concrete flooring) would have been suitable for sizeable pieces of engineering equipment with the other rooms being used for offices and storage. Evidence of industrial activities still survived within the ground floor of Building 3 where Rooms 12, 13 and 17 were most likely laboratories or testing rooms and the sound-proofed Room 16 possibly a testing room for electrical or sound equipment.

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Cartographic

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streets principal buildings & late improvements...

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Images

Aerial Photograph March 1958

Aerial Photograph July 1961

Appendix 1: Registers

Photographic Register

Image No.	Digital	Description	From	Date
01	IMG_9270	View of 14-16 Union Street.	SSE	13/04/18
02	IMG_9271	View of 14-16 Union Street.	SSE	13/04/18
03	IMG_9272	View of S Lane.	E	13/04/18
04	IMG_9273	View of S Lane.	ENE	13/04/18
05	IMG_9274	View of S Lane.	ENE	13/04/18
06	IMG_9275	View of S Lane.	ENE	13/04/18
07	IMG_9276	View of S Lane.	ESE	13/04/18
08	IMG_9277	View of S Lane.	ESE	13/04/18
09	IMG_9278	View of 14-16 Union Street.	NW	13/04/18
10	IMG_9279	View of 14-16 Union Street.	WNW	13/04/18
11	IMG_9280	View of N Lane.	E	13/04/18
12	IMG_9281	View of N Lane.	ENE	13/04/18
13	IMG_9282	View of N Lane.	ENE	13/04/18
14	IMG_9283	View of N Lane.	E	13/04/18
15	IMG_9284	View of Union Street with Calton Hill in Background.	N	13/04/18
16	IMG_9285	Building 1(a) and 4 (N end) E facing elevation.	E	13/04/18
17	IMG_9286	Building 1(a) and 4 (middle) E facing elevation.	E	13/04/18
18	IMG_9287	Building 1(a) and 4 (middle) E facing elevation.	E	13/04/18

Image No.	Digital	Description	From	Date
19	IMG_9288	Building 1(a) and 4 (S end) E facing elevation.	E	13/04/18
20	IMG_9289	Building 1(a) and 4 (S end) E facing elevation.	E	13/04/18
21	IMG_9290	Building 1(a) and 4 (S end) E facing elevation.	E	13/04/18
22	IMG_9291	Building 1(a) and 4 (S end) E facing elevation.	E	13/04/18
23	IMG_9292	Building 1(a) and 4 (oblique) E facing elevation.	ESE	13/04/18
24	IMG_9293	30 Forth Street (E end) N elevation	ENE	13/04/18
25	IMG_9294	Building 1(a), 2 and 4 (oblique) S facing elevation.	ESE	13/04/18
26	IMG_9295	Building 4, Room 1a, N facing elevation.	N	13/04/18
27	IMG_9296	Building 4, Room 1a, W facing elevation.	W	13/04/18
28	IMG_9297	Building 4, Room 1a, S facing elevation.	ESE	13/04/18
29	IMG_9298	Building 4, Room 1a, E facing elevation.	E	13/04/18
30	IMG_9299	Building 4, Room 1a, Floor.	E	13/04/18
31	IMG_9300	Building 4, Room 1a, Ceiling.	E	13/04/18
32	IMG_9301	Building 4, Room 1b, E facing elevation.	E	13/04/18
33	IMG_9302	Building 4, Room 1b and room 3, Doorway.	N	13/04/18
34	IMG_9303	Building 4, Room 3, N facing elevation.	N	13/04/18
35	IMG_9304	Building 4, Room 2, E facing elevation.	E	13/04/18
36	IMG_9305	Building 4, Room 2, S facing elevation.	S	13/04/18
37	IMG_9306	Building 4, Room 2, S facing elevation.	SE	13/04/18
38	IMG_9307	Building 4, Room 3, S facing elevation.	S	13/04/18
39	IMG_9308	Building 4, Room 3, E facing elevation (oblique).	SSE	13/04/18

Image No.	Digital	Description	From	Date
40	IMG_9309	Building 4, Room 3, E facing elevation (oblique).	NNE	13/04/18
41	IMG_9310	Building 4, Room 3 (S end), W facing elevation	W	13/04/18
42	IMG_9311	Building 4, Room 3 (middle), W facing elevation	W	13/04/18
43	IMG_9312	Building 4, Room 3 (N end), W facing elevation	W	13/04/18
44	IMG_9313	Building 4, Room 3, S facing elevation.	S	13/04/18
45	IMG_9314	Building 4, Room 3, ceiling.	S	13/04/18
46	IMG_9315	Building 4, Room 4, E facing elevation.	E	13/04/18
47	IMG_9316	Building 4, Room 4, S facing elevation.	SSE	13/04/18
48	IMG_9317	Building 4, Room 4, S facing elevation.	SSE	13/04/18
49	IMG_9318	Building 4, Room 4, S facing elevation.	SSE	13/04/18
50	IMG_9319	Building 4, Room 4, E facing elevation.	E	13/04/18
51	IMG_9320	Building 4, Room 4, E facing elevation.	E	13/04/18
52	IMG_9321	Building 4, Room 4, N facing elevation.	ENE	13/04/18
53	IMG_9322	Building 4, Room 4, N facing elevation.	WNW	13/04/18
54	IMG_9323	Building 4, Room 4, floor.	ESE	13/04/18
55	IMG_9324	Building 4, Room 4, ceiling.	ESE	13/04/18
56	IMG_9325	Building 4, Room 5, N facing elevation.	N	13/04/18
57	IMG_9326	Building 4, Room 5, E facing elevation.	E	13/04/18
58	IMG_9327	Building 4, Room 6, N facing elevation.	N	13/04/18
59	IMG_9328	Building 4, Room 6, S facing elevation.	S	13/04/18
60	IMG_9329	Building 4, Room 6, S facing elevation.	S	13/04/18

Image No.	Digital	Description	From	Date
61	IMG_9330	Building 4, Room 6, ceiling.	S	13/04/18
62	IMG_9331	Building 4, Room 7, E facing elevation.	ESE	13/04/18
63	IMG_9332	Building 4, Room 8a, N facing elevation.	N	13/04/18
64	IMG_9333	Building 4, Room 8a, S facing elevation.	S	13/04/18
65	IMG_9334	Building 4, Room 8a, E facing elevation.	ENE	13/04/18
66	IMG_9335	Building 4, Room 8a, W facing elevation.	W	13/04/18
67	IMG_9336	Building 4, Room 8a, W facing elevation.	W	13/04/18
68	IMG_9337	Building 4, Room 8a, W facing elevation.	W	13/04/18
69	IMG_9338	Building 4, Room 8b, N facing elevation.	N	13/04/18
70	IMG_9339	Building 4, Room 8b, S facing elevation.	S	13/04/18
71	IMG_9340	Building 4, Room 9b, N facing elevation.	N	13/04/18
72	IMG_9341	Building 4, Room 9b, N facing elevation.	N	13/04/18
73	IMG_9342	Building 4, Room 9a, toilet corridor.	W	13/04/18
74	IMG_9343	Building 4, Room 9a, larger male toilet.	NE	13/04/18
75	IMG_9344	Building 4, Room 9a, larger male toilet.	NE	13/04/18
76	IMG_9345	Building 4, Room 9a, smaller female toilet.	N	13/04/18
77	IMG_9346	Building 4, Room 9a, smaller female toilet.	N	13/04/18
78	IMG_9347	Building 1(a), Room 10a, S facing elevation.	S	13/04/18
79	IMG_9348	Building 1(a), Room 10a (N end), W facing elevation.	WSW	13/04/18
80	IMG_9349	Building 1(a), Room 10a (N end), W facing elevation. Oblique.	SSW	13/04/18
81	IMG_9350	Building 1(a), Room 10a (N end), W facing elevation. Close up of window.	W	13/04/18

Image No.	Digital	Description	From	Date
82	IMG_9351	Building 1(a), Room 10a (S end), W facing elevation. Oblique.	NNW	13/04/18
83	IMG_9352	Building 1(a), Room 10a (N end), W facing elevation. Oblique.	SSW	13/04/18
84	IMG_9353	Building 1(a), Room 10a, N facing elevation.	N	13/04/18
85	IMG_9354	Building 1(a), Room 10a (middle), W facing elevation.	W	13/04/18
86	IMG_9355	Building 1(a), Room 10a (middle), W facing elevation.	W	13/04/18
87	IMG_9356	Building 1(a), Room 10a (middle), W facing elevation.	W	13/04/18
88	IMG_9357	Building 1(a), Room 10a (middle), W facing elevation.	W	13/04/18
89	IMG_9358	Building 1(a), Room 10a (middle), W facing elevation.	W	13/04/18
90	IMG_9359	Building 1(a), Room 10a (S end), W facing elevation.	W	13/04/18
91	IMG_9360	Building 1(a), Room 10a (S end), W facing elevation.	W	13/04/18
92	IMG_9361	Building 1(a), Room 10a, N facing elevation.	N	13/04/18
93	IMG_9362	SI Pit 1, Building 1(a), Room 10a.	W	13/04/18
94	IMG_9363	SI Pit 2, Building 1(a), Room 10a.	W	13/04/18
95	IMG_9364	SI Pit 3, Building 1(a), Room 10a.	W	13/04/18
96	IMG_9365	Building 1(a), Room 10a, Brick Coal Shute within N facing elevation.	N	13/04/18
97	IMG_9366	Building 1(a), Room 10a, Brick Coal Shute within N facing elevation.	N	13/04/18
98	IMG_9367	Building 1(a), Room 10a, Brick Coal Shute within N facing elevation.	N	13/04/18
99	IMG_9368	Building 1(a), Room 10a, Brick Coal Shute within N facing elevation.	N	13/04/18
100	IMG_9369	Building 1(a), Room 10a, N and W facing elevations.	NW	13/04/18
101	IMG_9370	Building 1(a), Room 10a, W facing elevation.	W	13/04/18
102	IMG_9371	Building 4, Room 10b, N facing elevation.	WNW	13/04/18

Image No.	Digital	Description	From	Date
103	IMG_9372	Building 4, Room 10b, W facing elevation.	SW	13/04/18
104	IMG_9373	Building 4, Room 10b, S facing elevation.	SW	13/04/18
105	IMG_9374	Building 4, Room 10a/b, Stairs up to Room 3 (on ground floor).	W	13/04/18
106	IMG_9375	Building 4, Room 10b, Brick column supporting iron joist and floor above.	NNW	13/04/18
107	IMG_9376	Building 4, Room 10b, Brick column supporting iron joist and floor above.	NNW	13/04/18
108	IMG_9377	Building 4, Room 10b, Brick column supporting iron joist and floor above.	NNW	13/04/18
109	IMG_9378	Building 4, Room 10b, Brick column with surrounding poured concrete floor.	NNW	13/04/18
110	IMG_9379	SI Pit 4, Building 1(a), Room 10b.	S	13/04/18
111	IMG_9380	Building 1(a), 3 and 4. N facing elevation.	WNW	13/04/18
112	IMG_9381	Building 1(a), 3 and 4. N facing elevation.	WNW	13/04/18
113	IMG_9382	Building 1(a) and 4 (W end). N facing elevation.	N	13/04/18
114	IMG_9383	Building 3 and 4 (middle/lower). N facing elevation.	WNW	13/04/18
115	IMG_9384	Building 3 and 4 (middle/upper). N facing elevation.	WNW	13/04/18
116	IMG_9385	Building 3 and 4 (middle/upper). N facing elevation.	ENE	13/04/18
117	IMG_9386	Building 3 and 4 (middle/lower). N facing elevation.	ENE	13/04/18
118	IMG_9387	Building 3 (middle/lower). N facing elevation. Early 19 th century wall and sealed entrance.	N	13/04/18
119	IMG_9388	Building 3 (middle/lower). N facing elevation. Early 19 th century wall and sealed entrance.	N	13/04/18
120	IMG_9389	Building 3 and 4. N facing elevation. Including early 19 th century garden wall.	ENE	13/04/18
121	IMG_9390	Building 3 and 4. N facing elevation. Including early 19 th century garden wall.	ENE	13/04/18
122	IMG_9391	View of the rear of the buildings and gardens on E Broughton Place	S	13/04/18
123	IMG_9392	View of the rear of the buildings and gardens on E Broughton Place	S	13/04/18

Image No.	Digital	Description	From	Date
124	IMG_9393	View of the rear of the buildings and gardens on E Broughton Place	W	13/04/18
125	IMG_9394	View of the rear of the buildings and gardens on E Broughton Place	S	13/04/18
126	IMG_9395	Building 3. N and W facing elevations. Including early 19 th century garden wall.	NW	13/04/18
127	IMG_9396	View of Union Street with Calton Hill in Background.	N	13/04/18
128	IMG_9397	Building 3, Room 11a, N facing elevation.	N	13/04/18
129	IMG_9398	Building 3, Room 11a (W end), S facing elevation.	S	13/04/18
130	IMG_9399	Building 3, Room 11a (N end), W facing elevation. Stair entrance to ground floor.	W	13/04/18
131	IMG_9400	Building 3, Room 11a, E facing elevation.	SE	13/04/18
132	IMG_9401	Building 3, Room 11a, E facing elevation.	NE	13/04/18
133	IMG_9402	Building 3, Room 11a (S end), W facing elevation.	NNW	13/04/18
134	IMG_9403	Building 3, Room 11a (S end), W facing elevation.	W	13/04/18
135	IMG_9404	Building 3, Room 11a (E end), S facing elevation.	S	13/04/18
136	IMG_9405	View of roofing above suspended ceiling in Room 11a, Building 3.	-	13/04/18
137	IMG_9406	Building 3, Room 11b, raised corridor joining building 3 to the rear of 24 Forth Street.	N	13/04/18
138	IMG_9407	Building 3, Room 11b, raised corridor joining building 3 to the rear of 24 Forth Street. View onto S Lane through window.	W	13/04/18
139	IMG_9408	Building 3, Room 11b, raised corridor joining building 3 to the rear of 24 Forth Street. View onto S Lane through window.	E	13/04/18
140	IMG_9409	View of stairwell linking ground and 1 st floors of building 3.	S	13/04/18
141	IMG_9410	View of stairwell linking ground and 1 st floors of building 3.	-	13/04/18
142	IMG_9411	View of stairwell linking ground and 1 st floors of building 3.	-	13/04/18
143	IMG_9412	View of stairwell linking ground and 1 st floors of building 3.	-	13/04/18

Image No.	Digital	Description	From	Date
144	IMG_9413	Lower Staircase to Emergency exit in Building 3, exits through gap in early 19 th century wall and into N lane.	S	13/04/18
145	IMG_9414	Building 3, Room 12, S facing elevation.	S	13/04/18
146	IMG_9415	Building 3, Room 12, N facing elevation.	N	13/04/18
147	IMG_9416	Building 3, Room 12, E facing elevation.	SE	13/04/18
148	IMG_9417	Building 3, Room 12, W facing elevation.	NNW	13/04/18
149	IMG_9418	Building 3, Room 12, W facing elevation.	SW	13/04/18
150	IMG_9419	Building 3, Room 13, W facing elevation.	W	13/04/18
151	IMG_9420	Building 3, Room 13, W facing elevation.	W	13/04/18
152	IMG_9421	Building 3, Room 13, E facing elevation.	ENE	13/04/18
153	IMG_9422	Building 3, Room 13, E facing elevation.	ESE	13/04/18
154	IMG_9423	Building 3, Room 13, S facing elevation.	S	13/04/18
155	IMG_9424	Building 3, Room 13, S facing elevation.	S	13/04/18
156	IMG_9425	Building 3, Room 13, N facing elevation.	N	13/04/18
157	IMG_9426	Building 3, Room 13, N facing elevation.	N	13/04/18
158	IMG_9427	Building 3, Room 13, Floor.	S	13/04/18
159	IMG_9428	Building 3, Room 13, Ceiling.	S	13/04/18
160	IMG_9429	Building 3, Room 14, W facing elevation.	W	13/04/18
161	IMG_9430	Building 3, Room 14, N facing elevation.	N	13/04/18
162	IMG_9431	Building 3, Room 14, W facing elevation.	W	13/04/18
163	IMG_9432	Building 3, Room 14, S facing elevation.	S	13/04/18
164	IMG_9433	Building 3, Room 14, E facing elevation.	E	13/04/18

Image No.	Digital	Description	From	Date
165	IMG_9434	Building 3, Room 14, E facing elevation.	E	13/04/18
166	IMG_9435	Building 3, Room 14, Floor.	S	13/04/18
167	IMG_9436	Building 3, Room 14, Ceiling.	S	13/04/18
168	IMG_9437	Building 3, Room 15, E facing elevation.	E	13/04/18
169	IMG_9438	Building 3, Room 15, E facing elevation.	E	13/04/18
170	IMG_9439	Building 3, Room 15, W facing elevation.	W	13/04/18
171	IMG_9440	Building 3, Room 15, W facing elevation.	W	13/04/18
172	IMG_9441	Building 3, Room 15, N facing elevation.	N	13/04/18
173	IMG_9442	Building 3, Room 15, S facing elevation.	S	13/04/18
174	IMG_9443	Building 3, Room 15, Floor.	S	13/04/18
175	IMG_9444	Building 3, Room 15, Ceiling.	S	13/04/18
176	IMG_9445	Building 3, Room 17, N facing elevation.	N	13/04/18
177	IMG_9446	Building 3, Room 17, W facing elevation.	WNW	13/04/18
178	IMG_9447	Building 3, Room 17, S facing elevation.	S	13/04/18
179	IMG_9448	Building 3, Room 17, E facing elevation.	E	13/04/18
180	IMG_9449	Building 3, Room 16, S facing elevation.	S	13/04/18
181	IMG_9450	Building 3, Room 16, E facing elevation.	ESE	13/04/18
182	IMG_9451	Building 3, Room 16, W facing elevation.	WSW	13/04/18
183	IMG_9452	Building 3, Room 16, E facing elevation.	ESE	13/04/18
184	IMG_9453	Building 3, Room 16, E facing elevation.	NNE	13/04/18
185	IMG_9454	Building 3, Room 16, N facing elevation.	N	13/04/18

Image No.	Digital	Description	From	Date
186	IMG_9455	Building 3, Room 16, Floor.	S	13/04/18
187	IMG_9456	Building 3, Room 16, Ceiling.	S	13/04/18
188	IMG_9457	Building 3, Room 16, Working Shot.	S	13/04/18
189	IMG_9458	Building 3, Room 16, Working Shot.	S	13/04/18
190	IMG_9459	Building 3, Room 16, Working Shot.	S	13/04/18
191	IMG_9460	Building 3, Room 16, Working Shot.	S	13/04/18
192	IMG_9461	Building 3, Room 16, Working Shot.	S	13/04/18
193	IMG_9462	Building 3 and rear of 24 Forth Street. E and N facing elevations.	NW	13/04/18
194	IMG_9463	Building 3 (S end) and raised corridor joining to rear of 24 Forth Street. E facing elevation.	E	13/04/18
195	IMG_9464	Building 3 (S end) and raised corridor joining to rear of 24 Forth Street. E facing elevation.	WSW	13/04/18
196	IMG_9465	Building 3 (S end) and raised corridor joining to rear of 24 Forth Street. E facing elevation. Also shows early 19 th century garden wall to rear of Forth Street Property.	E	13/04/18
197	IMG_9466	Building 3 and raised corridor joining to rear of 24 Forth Street. E facing elevation. Also shows early 19 th century garden wall to rear of Forth Street Property.	NW	13/04/18
198	IMG_9467	Building 3 and raised corridor joining to rear of 24 Forth Street. E facing elevation. Also shows early 19 th century garden walls to rear of Forth Street Properties.	E	13/04/18
199	IMG_9468	Building 3 and raised corridor joining to rear of 24 Forth Street. E facing elevation. Also shows early 19 th century garden walls to rear of Forth Street Properties.	E	13/04/18
200	IMG_9469	Building 3 (S end) and raised corridor joining to rear of 24 Forth Street. E facing elevation.	E	13/04/18
201	IMG_9470	Building 3 (N end). E facing elevation.	E	13/04/18
202	IMG_9471	Building 3 (N end). E facing elevation.	E	13/04/18
203	IMG_9472	Building 3 (W end). S facing (lower) elevation.	WSW	13/04/18
204	IMG_9473	Building 3 (W end). S facing (lower) elevation.	ESE	13/04/18

Image No.	Digital	Description	From	Date
205	IMG_9474	Building 3 (W end). S facing (lower) elevation. Entrance and door into Building 3.	S	13/04/18
206	IMG_9475	Building 3 and 4 (W end). S facing elevation (part of building 3 E facing elevation, upper).	ESE	13/04/18
207	IMG_9476	Building 4 (E end). S facing elevation.	WSW	13/04/18
208	IMG_9477	Building 4. S facing elevation (part of building 3 E facing elevation, upper).	ESE	13/04/18
209	IMG_9478	Building 4 (middle). S facing elevation.	WSW	13/04/18
210	IMG_9479	Building 4. S facing elevation (part of building 3 E facing elevation, upper).	ESE	13/04/18
211	IMG_9480	Building 4 (E end). S facing elevation.	WSW	13/04/18
212	IMG_9481	Building 4 (E end). S facing elevation.	WSW	13/04/18
213	IMG_9482	Building 4 (E end). S facing elevation. Detail bricked up doorway (possibly linked to coal shute in building 1).	S	13/04/18
214	IMG_9483	Building 4 (E end). S facing elevation. Detail bricked up doorway (possibly linked to coal shute in building 1).	S	13/04/18
215	IMG_9484	Building 4 (E end). S facing elevation. Detail bricked up doorway.	S	13/04/18
216	IMG_9485	Building 4 (E end). S facing elevation. Detail bricked up doorway.	S	13/04/18
217	IMG_9486	Building 4 (E end). S facing elevation. Detail bricked up window.	S	13/04/18
218	IMG_9487	Building 4 (E end). S facing elevation. Detail bricked up window.	S	13/04/18
219	IMG_9488	Building 4 (E end). S facing elevation. Detail bricked up window.	S	13/04/18
220	IMG_9489	View of the floor/underside of the raised corridor joining Building 3 to 24 Forth Street.	E	13/04/18
221	IMG_9490	View of the E facing elevation of the raised corridor joining Building 3 to 24 Forth Street and the S Lane.	E	13/04/18
222	IMG_9491	View of the rear, N facing, elevations of 30, 28 and 24 Forth Street. Bricked up windows or doors and the difference in the weathering of the stone in 30 Forth Street compared to the other buildings may indicate where Building 1a once joined it.	ENE	13/04/18

Image No.	Digital	Description	From	Date
223	IMG_9492	View of the rear, N facing, elevations of 30, 28 and 24 Forth Street. Bricked up windows or doors and the difference in the weathering of the stone in 30 Forth Street compared to the other buildings may indicate where Building 1a once joined it.	WNW	13/04/18
224	IMG_9493	View of the rear, N facing, elevations of 30, 28 and 24 Forth Street. Bricked up windows or doors and the difference in the weathering of the stone in 30 Forth Street compared to the other buildings may indicate where Building 1a once joined it.	WNW	13/04/18
225	IMG_9494	View of the rear, N facing, elevations of 30, 28 and 24 Forth Street. Bricked up windows or doors and the difference in the weathering of the stone in 30 Forth Street compared to the other buildings may indicate where Building 1a once joined it.	ENE	13/04/18
226	IMG_9495	View of the rear, N facing, elevations of 30, 28 and 24 Forth Street. Bricked up windows or doors and the difference in the weathering of the stone in 30 Forth Street compared to the other buildings may indicate where Building 1a once joined it.	ENE	13/04/18
227	IMG_9496	View of the rear, N facing, elevations of 30, 28 and 24 Forth Street. Bricked up windows or doors and the difference in the weathering of the stone in 30 Forth Street compared to the other buildings may indicate where Building 1a once joined it.	WNW	13/04/18

Appendix 2: Discovery & Excavation in Scotland

LOCAL AUTHORITY:	City of Edinburgh
PROJECT TITLE/SITE NAME:	14-16 Union Street, Edinburgh
PROJECT CODE:	RA18024
PARISH:	Edinburgh (City of)
NAME OF CONTRIBUTOR:	Liam McKinstry
NAME OF ORGANISATION:	Rathmell Archaeology Limited
TYPE(S) OF PROJECT:	Historic Building Survey
NMRS NO(S):	None
SITE/MONUMENT TYPE(S):	None
SIGNIFICANT FINDS:	None
NGR (2 letters, 8 or 10 figures)	NT 26009 74550
START DATE (this season)	13 th April 2018
END DATE (this season)	13 th April 2018
PREVIOUS WORK (incl. <i>DES</i> ref.)	None
MAIN (NARRATIVE) DESCRIPTION: (may include information from other fields)	<p>Archaeological monitoring works were undertaken at 14-16 Union Street in Edinburgh on the 13th of April on behalf of Sundial Properties</p> <p>The oldest surviving structural element was the early 19th century garden wall (first shown in Scott's map of 1805) which was noted where an emergency exit from Building 3 cut through its north-facing elevation. The remains of late 19th century buildings first noted on the 1877 Ordnance Survey map) were present within the basement of 14-16 Union Street where they had been incorporated into a later building. No traces of a further building noted in Ordnance Survey mapping spanning 1905 to 1931 was identified: it appears to have been demolished prior to the construction of two mid-20th century buildings on the site.</p> <p>The early 19th century, east to west running, garden wall acted as a retaining wall for gardens behind houses on Forth Street with a series of walls dividing each garden plot from north to south. These walls survive in the present carpark areas. Part of a similar wall may have been incorporated into the later 19th century structures which once occupied the site.</p> <p>The mid-20th buildings appear to have been industrial: one was labelled an 'engine works' in 1949-50 Ordnance Survey mapping and later functioned as a print works. Evidence of recent activities still survived within one of these buildings, with some rooms fitted out as laboratories or testing rooms and one room soundproofed for the testing of electrical or sound equipment.</p>
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	None
SPONSOR OR FUNDING BODY:	Sundial Properties

ADDRESS OF MAIN CONTRIBUTOR:	Unit 8 Ashgrove Workshops, Kilwinning, Ayrshire KA13 6PU
EMAIL ADDRESS:	contact@rathmell-arch.co.uk
ARCHIVE LOCATION (intended/deposited)	Report to City of Edinburgh Council Archaeology Service and archive to RCAHMS Collections.

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