



**Williamson Street, Falkirk, Archaeological Monitoring
and Excavation
Data Structure Report
Project 5194**

Williamson Street, Falkirk, Archaeological Monitoring and Excavation Data Structure Report

On behalf of: JR Group


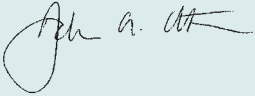
NGR: NS 88994 79770 (centred on)

Project Number: 5194

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*This document has been prepared in accordance
with GUARD Archaeology Limited standard operating procedures.*

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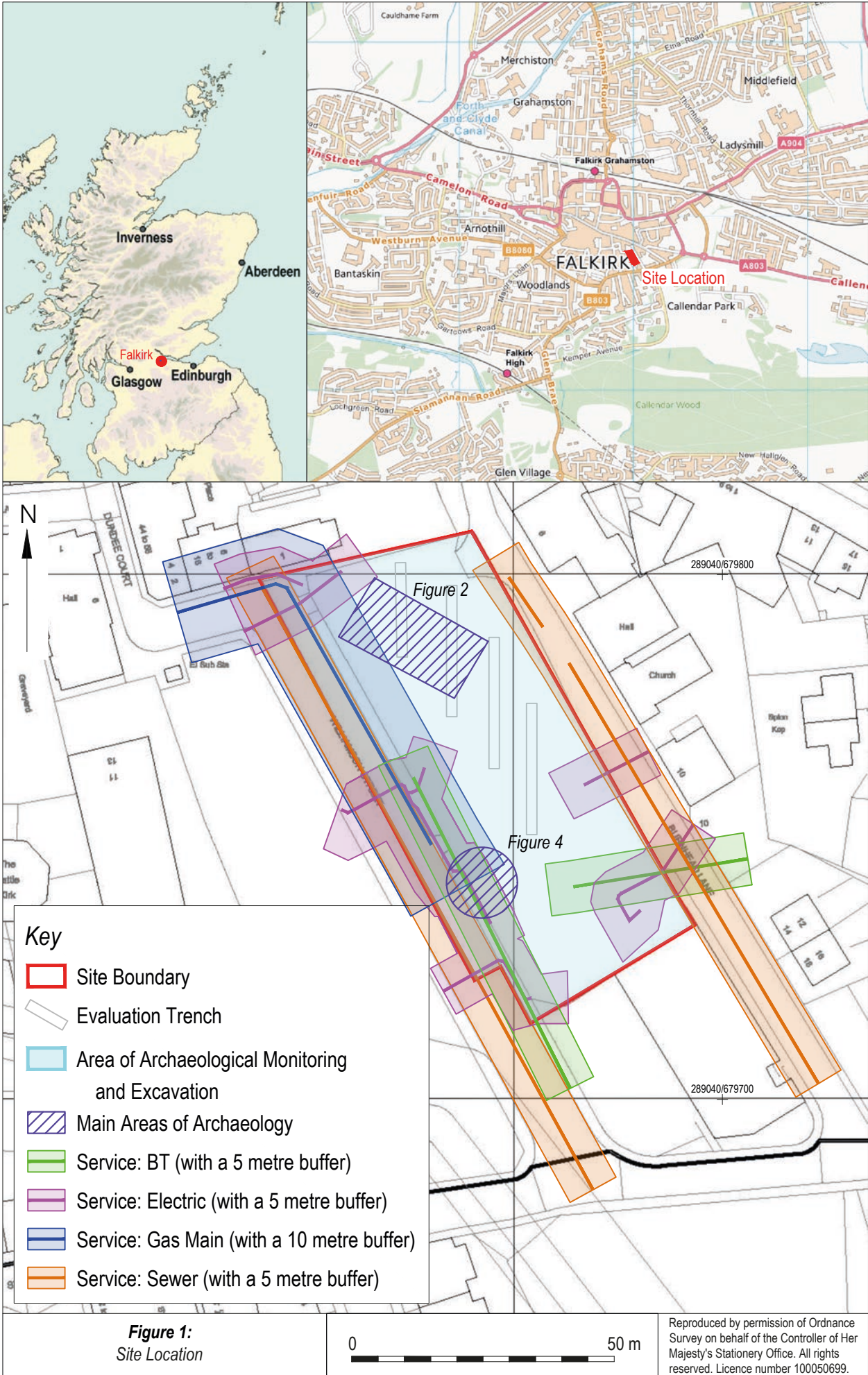
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Executive Summary

1.1 GUARD Archaeology Limited were commissioned by JR Group to undertake archaeological mitigation works on a site proposed for residential development (Planning Ref: P/18/0212/FUL) to the south-east of No. 1 Williamson Street, Falkirk (Figure 1, Plate 1). The archaeological mitigation works comprised an initial phase of trial trenching (Hunter Blair 2019) which revealed several features of archaeological interest including the remains of a possible metalled trackway and ditch containing Roman amphorae sherds.



Plate 1: General view of site

1.2 A further phase of archaeological mitigation was carried out between the 28th February and 30th April of 2019 following consultation with Geoff Bailey, Keeper of Archaeology & Local History of Falkirk Council (KA&LH hereafter), to fully satisfy stage 2 works outlined in the Written Scheme of Investigation (WSI) Addendum. This further work revealed further remains of the trackway and the partial remains of a ring ditch with an intact, inverted early Bronze Age cremation urn.

Introduction

2.1 This report sets out the results of the final phase of stage 2 archaeological mitigation works, outlined in the WSI Addendum, undertaken by GUARD Archaeology Limited, on behalf of JR Group on a site proposed for residential development adjacent to No. 1 Williamson Street, Falkirk.

2.2 The WSI Addendum outlines the programme of stage 2 archaeological works that were needed to mitigate the effects of the development. Stage 3 works will be specified in a *Post-excavation Research Design (PERD)* which will accompany the excavation report. The PERD will be submitted to the client, then for the agreement of KA&LH, prior to the commencement of any archaeological post-excavation work. On confirmation that the developer has commissioned the agreed Stage 3 works, the planning condition will be partially discharged pending the final publication of the work when the condition will be fully discharged. All phases of work will be funded by the developer as required by the Planning Authority.

Site Location, Topography and Geology

3.1 The site is located approximately 350 m south-east of the centre of Falkirk, to the north of the B8080, in a rectangular strip of land between Williamson Street and Burnhead Lane and Arnot Road (NS 88994 79770 centred). The site slopes down to the south-east towards the East Burn, and is surrounded by urban development in the form of residential and retail units with the most recent land use on site being parking.

3.2 The bedrock over the development area consists of Scottish Lower Coal Measures Formation Sedimentary Rock Cycles, Coal Measure Type. The superficial deposits over the entire area are Raised Marine Deposits, Devensian - Clay, Silt, Sand and Gravel Till, Devensian - Diamicton (British Geological Survey www.bgs.ac.uk accessed on 08/10/2018).

Archaeological Background

4.1 The proposed development lies immediately north of the line of the Antonine Wall World Heritage Site (WHS) Boundary, where the wall bends from a NW/SE orientation further south, to extend WNW at the south end of Williamson Street. The buffer zone for the WHS overlaps the south-west corner of the development area however, "in 1985 observations of a deep sewer-trench extending N/S at the corner of Williamson Street and Arnot Street failed to reveal any trace of the Antonine ditch..." (L J F Keppie and J J Walker 1990; Canmore ID 107163).

- 4.2 The site lies immediately south of the Falkirk Town Centre Conservation Areas and lies approximately 300 m north-west from the edge of the Callendar Park Designed Landscape (GDL 00078). There has been an estate on the Callendar Park site since the twelfth century, with continuous development from that time, notably in the sixteenth, seventeenth, late- eighteenth and mid-nineteenth centuries. The mid-twentieth century marks a change to public park use and the most recent development phase.
- 4.3 Ordnance Survey Mapping from the nineteenth century shows a row of buildings extending along the eastern edge of the development area, and a separate building to the south-east, all fronting on to Burnhead Lane. By the early twentieth century an industrial bakery (Mathiesons- demolished approximately 10 years ago) is located in the northern area of the site with a discontinuous row of buildings, now with outbuildings and extensions to the west, again fronting onto Burnhead Lane; a building to the south-east of the row is noted as a hall at this time. The council archaeologist noted the potential for the remains of walls or ditches related to the original walled town of Falkirk in this area. The proposed evaluation trenches were orientated N/S to increase the potential to pick up any wall remains relating to the earlier structures on, or crossing the site.
- 4.4 An evaluation carried out in January 2019 by GUARD Archaeology (Hunter Blair, 2019) revealed a possible trac surface and other features, some containing Roman amphora fragments with others containing late medieval pottery. This evaluation led to follow up works in the form of monitored stripping and excavation.

Aims and Objectives

- 5.1 The aims of the archaeological monitored topsoil strip, map and excavation were:
- To identify the presence or absence of archaeological deposits within the proposed area, and
 - To ensure that any surviving archaeological remains encountered during the monitoring of ground works were fully recorded and excavated prior to the development proceeding.
- 5.2 The objectives were therefore:
- To archaeologically monitor any ground works associated with the development, including any foundations and service works,
 - To establish the presence or absence of archaeological deposits and to determine their character, date and extent if surviving,
 - To excavate and record any and all significant archaeological deposits and features within the ground work areas;
 - To submit a report to data structure level for agreement to KA&LH on completion of the archaeological fieldwork. The report will be accompanied by a PERD prepared in consultation with the developer and KA&LH setting out the scope of any further post- excavation works required.

Methodology

- 6.1 All work was conducted in line with the following standards and guidance of the Chartered Institute for Archaeologists (CIfA), of which GUARD Archaeology is a Registered Organisation:
- Code of conduct (2014);
 - Standard and guidance for an archaeological watching brief (2014);

- Standard and guidance for archaeological field excavation (2014);
- Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives (2014).

Archaeological Monitoring and Excavation

- 6.2 All overburden material was removed during ground works for the development. The overburden stripping was excavated using a back acting machine equipped with flat (toothless) bucket under the constant supervision of a GUARD Archaeologist, who acted as supervisor. A toothed bucket was used to remove upper concrete and/or aggregate layers.
- 6.3 The overburden was removed in spits to the first archaeological horizon or, where none was found, to the lowest desired working level. The exposed area was then cleaned to identify any archaeological features. Any archaeological features encountered were cleaned by hand by the on-site Archaeologist(s) to determine their character and extent.
- 6.4 Any significant archaeological features encountered were with by the on-site Archaeologists. Where negative-cut features were encountered within the foundations of any proposed structures, or service cuts, they were 100 % excavated to determine their significance, date and function. A full record of excavated features was made using a single context recording system using pro forma sheets, drawings and photographs. All archaeological features were photographed and recorded at an appropriate scale. Sections were drawn at 1:10, and plans at 1:20. All features were accurately surveyed using a sub-metre GPS and located within the National Grid.
- 6.5 All archaeological finds were dealt with by the on-site Archaeologists. Finds and animal bone were collected as bulk samples by context. Significant small finds were three dimensionally located prior to collection. All finds will be processed to MAP2 type standards and subject to appropriate specialist assessment. If necessary, conservation of finds will be appraised to allow for specialist study.
- 6.6 All excavated feature fills and horizons were sampled as appropriate, using bulk soil samples, for palaeo-environmental evidence.
- 6.7 A representative section was recorded denoting depth of overburden deposits, any stratigraphy present and the nature of the deposits. This information was logged in the day book together with a sketch drawn to scale and a photographic record of deposits.

Results

- 7.1 The results should be read in conjunction with the detailed information found in Appendices B-G and Figure 1.
- 7.2 The whole of the site was covered in overburden material comprising tarmac 001, and hardcore aggregates 002 (Plate 2) which measured 0.9 m in depth although became progressively shallower towards the southern end of the development site. Blaes deposit 018 were also found in the southern area. Once removed they revealed an old topsoil deposit 003 comprising reddish/brown sand which ranged in thickness between 0.1 m and 0.5 m and contained modern glass and pottery sherds, occasional animal bone fragments and several sherds of post-medieval and medieval pottery (SFs 4, 7, 8 and 9). Only the medieval and post-medieval pottery sherds were retained for further analysis. Below this deposit was found a beige yellow sand of natural origin 004 (Plate 3). Several other natural sand and sandy cobble deposits were also encountered including 030, 032 and 033. The archaeology encountered below the overburden and old topsoil layers will be described in perceived order of date, Bronze Age and Roman. Features of post-medieval and modern date are not described in any detail with context information, sample and finds lists in the concordances Appendices B-D.



Plate 2: Depth of overburden deposits in NW of site (002 – 004)



Plate 3: Natural deposit 004 in area 4 (attenuation tank location)

7.3 Bronze Age Activity

Ring-ditch

- 7.3.1 Located towards the south-west part of the stripped area, approximately half of a ring ditch 054 was uncovered. This structure measured 8.3 m in internal diameter, while its external diameter measured 10.6 m (Plate 41). Of circular form, with the slightly pronounced sides where a bank may have once existed, and a rounded base, it was between 0.8 m and 0.95 wide and between 0.12 m and 0.35 m deep. This ring ditch was cut into the natural sand and gravel layer 003 and was filled with moderately compacted orange brown sand silt 055 without any obvious inclusions of any kind and was truncated on its north-eastern side by a modern sub-rectangular feature 037, a possible foundation cut of a metal tank. The remains of the ring-ditch was recorded through six slots. (Figures 2 and 3, Plate 4 and 5).



Plate 4: General view of ring ditch



Plate 5: South facing section of ring ditch (Slot D)

- 7.3.2 On the southeast side of the ring-ditch, two shallow pits were observed. The northernmost feature 074 was oval in form, measuring 0.57 by 0.30 m and 0.15 m deep, was full of compacted orange brown silty 075 South of this lay the a pit 072, which was filled with a similar silty sand deposit 073 and measuring 0.65 m in diameter by 0.15 m thick. Both were truncated by the ring-ditch 054.

Urn cremation

- 7.3.3 In the northern area within the ring-ditch, a circular cut 035 was found measuring 0.58 m by 0.55 m and 0.45 m deep and containing an inverted urn SF 10. The cut was filled with a deposit of loose dark brown sandy silt. The urn was a large 372 mm high ceramic conical vessel with incised and impressed decoration. The urn was completely intact, although on closer inspection some hairline cracks were observed around the top and edge of the pot. and the urn was recovered after being wrapped with transparent film and bandage to minimise any deterioration prior to conservation. (Figure 5, Plate 5 and 6).

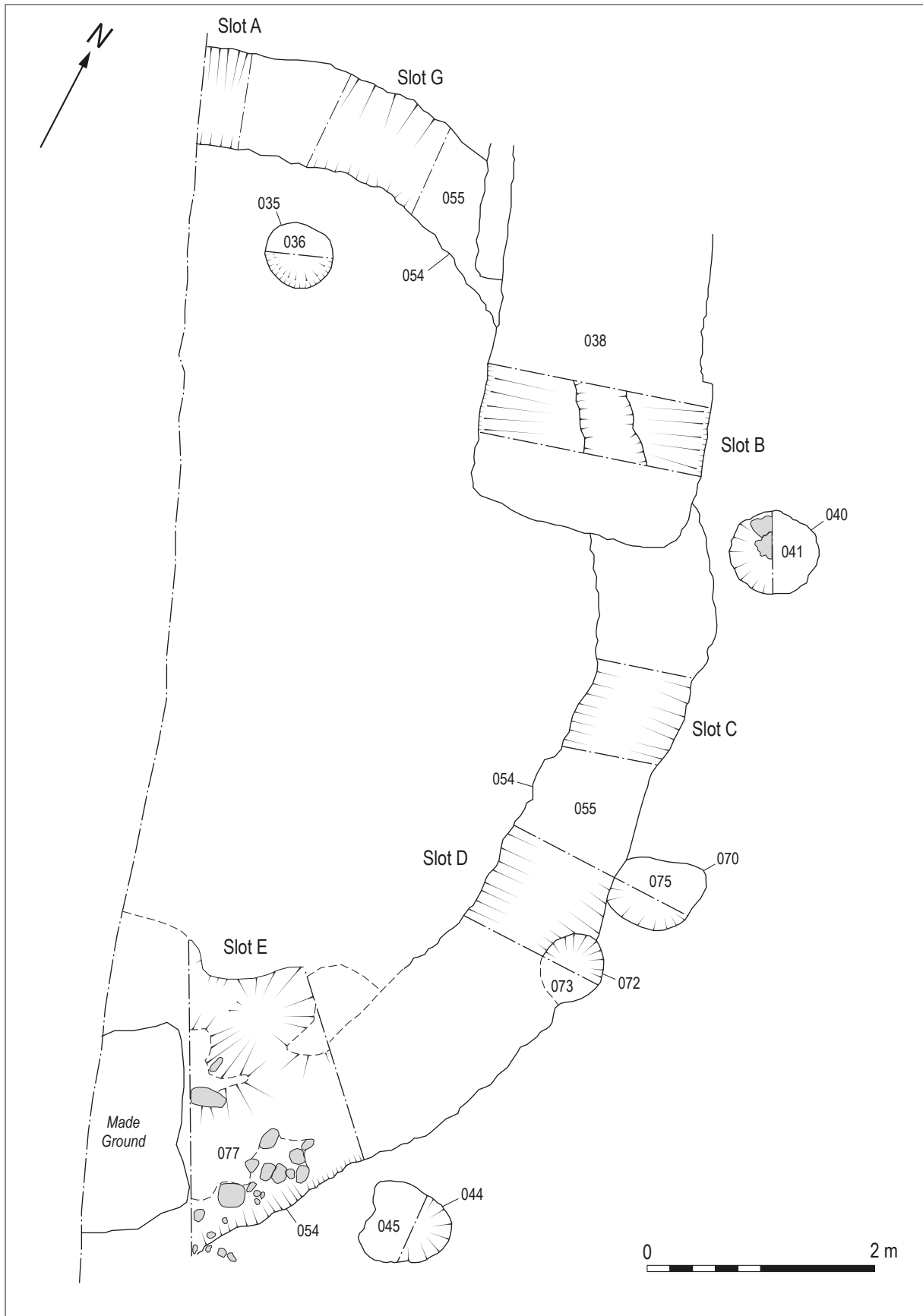


Figure 2: Plan of ring ditch 054, cremation pit 035 and modern pits 040, 044 and 037



Plate 6: South facing section of cremation pit 035

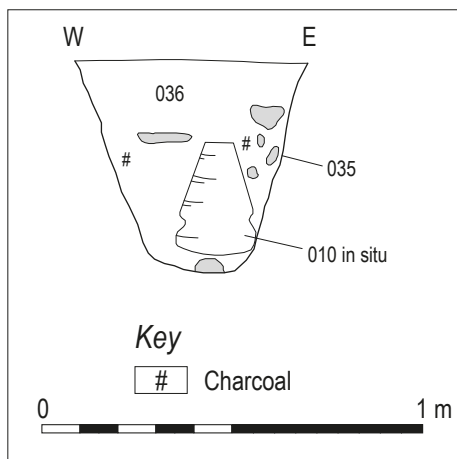


Figure 3: South facing section of cremation pit 035



Plate 7: Shot of cremation urn post excavation

- 7.3.4 The diameter of the rim is 300-314 mm and the thickness of the ceramic is 15.8 mm (Ballin Smith pers. comm.). The weight of the container is c. 5 kg. The pottery contains fine to coarse grains of quartz rock and other stones, possibly also basic rock (diorite or dolerite) in the clay and organic matter. The edge is everted with an internal bevel c. 18 mm wide, which is decorated by two parallel oblique lines, which are c. 17.5-20 mm long. The irregularly rounded edge of the rim has two approximately parallel lines created by cordage surrounding it. At 50 mm below the rim edge externally there is another double line created by cordage, with another double line 5-10 mm below) The rest of the decoration consists of straight and inverted triangles. The interior of the pot is exceptionally well made and finished. There is a clear concavity in the union of the neck and the body of the vessel in the carination, which is 130 mm below the inner edge of the rim. From there, the pot descends towards the narrow base. On the interior wall of the urn there are slight but visible marks that indicate that it was finished or smoothed with a stone or similar smooth-edged tool. The base of the pot measures 120 mm in diameter. The base centre is vaulted and has a light rail that extends between the wall and the base. The base is flat externally. On initial inspection the urn contained cremated human remains with one pointed animal bone tool among the human bone.

7.4 Roman Activity

- 7.4.1 Truncating sand 004 in Area 1 was a linear feature 027, which was orientated north/south across the northern end of the site (Figures 4 and 5, Plate 8). It measured 17 m in length, 5.1 m in width with a depth that varied across the site, being shallowest at the northern end at 0.31 m and deepest at the southern 0.4 m. Its sides were quite steep and the base flat (Plate 9). Two deposits were found filling this feature. The lowest deposit 028 comprised dark brown orange sand with a depth of 0.21 m – 0.3 m (Figure 5). Above this basal fill was a light beige yellow sand 031 which measured 0.18 m thick and only appeared to survive in the northern most section. Above this latter deposit was found the remains of a metallised surface 023 (Figures 4 and 5, Plate 8), the remains of a possible road/track surface. It was similarly orientated north/south

and measured 13.5 m in length, 1.8 m in width with a depth of 0.15 m. It comprised mainly of sub-rounded pebbles with occasional cobbles and gravel within a yellowish/grey sandy matrix. The metalled surface appeared to be better preserved in the northern end becoming patchy and intermittent towards the south. It was bounded by a stone kerbing comprising sub-rounded cobbles at its northern side 026 (Plate 10) which survived only intermittently. Four slots were excavated through the possible road (A – D), its underlying deposits and ditch feature. An eastern sloping camber 029 (Plates 11 and 12) consisting of sub-rounded pebbles and occasional cobbles was present on the eastern side of the road only. No artefacts were recovered during from the excavation of the road and associated features.

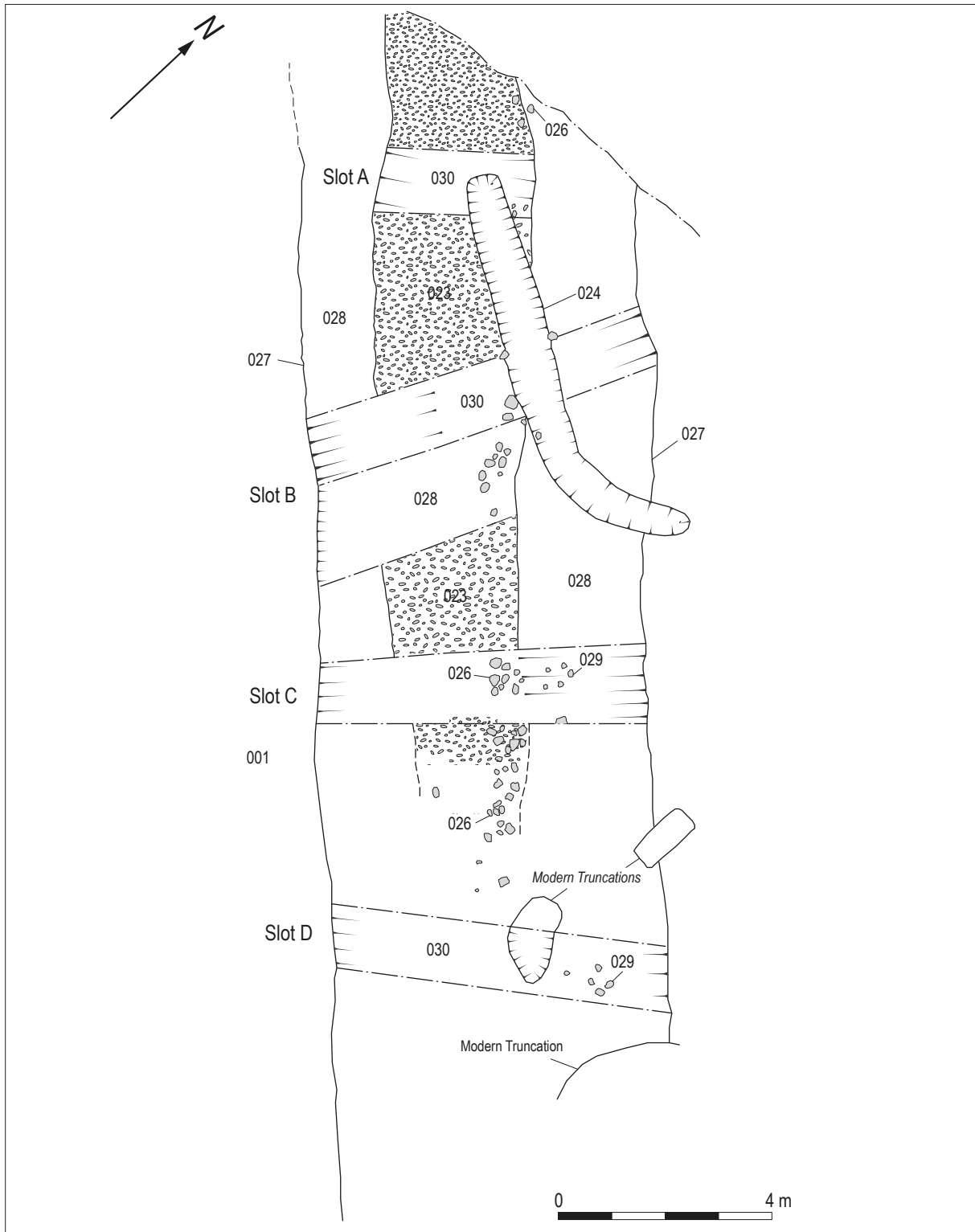


Figure 4: Plan of metalled road surface 023, hollow way 027 and curvilinear ditch 024

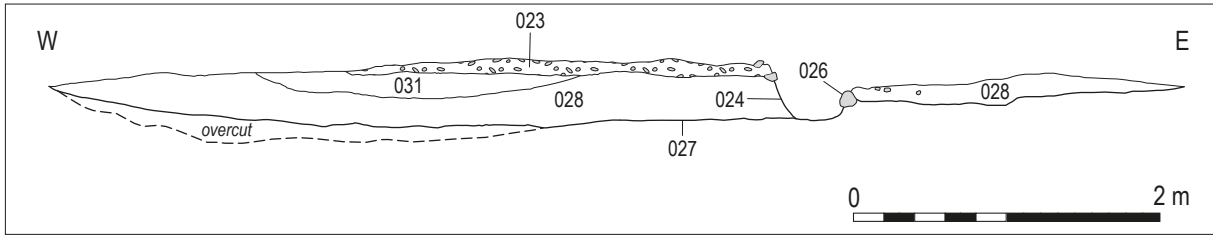


Figure 5: South facing section of metalled road surface 023, curvilinear ditch 024 and hollow way 027



Plate 8: Linear ditch 027 "hollow way"



Plate 9: South facing section of "Hollowway way" ditch 027



Plate 10: Stone kerbing 026 at east side of metalled surface 023



Plate 11: Metalled surface road camber 029



Plate 12: Metalled surface road camber 029 and kerbing 026

- 7.4.2 Truncating metallised surface 023 was a small curvilinear ditch 024 (Plate 13) with rounded terminal ends. It measured 7.2 m in length with a width of 0.7 m. Its depth measured 0.6 m at the northern end and it became progressively shallower towards the eastern end at approximately 0.1 m. It was filled with an orange brown sand 025 that contained several fragments of amphorae (Hunter Blair 2019) including SF 5 retrieved during the present work programme.
- 7.4.3 Two pits were observed during the excavation of a service trench in the south-west area of the site. The larger pit 005 (Plate 14) measured 1.6 m in width and 1.05 m in depth with six fills of varying sandy layers (007 – 012). The other pit 006 (Plate 15) was located 3 m to the east of pit 005. It was smaller, measuring 0.83 m in width and 1 m in depth. It contained four fills again comprising of sandy layers (013 – 016). No finds were discovered to provide a date for either pit and both were found immediately below overburden layer 002 which could suggest they were more recent in date.
- 7.4.4 Several other features were noted across the site during excavation work although most were modern in origin, mainly comprising discarded detritus such as glass, pottery and brick (Figure 1), these included modern pits 019 and 021. Remnants of the Bakery footings 034 (Plate 16), comprising concrete and brick, which previously occupied the site were also noted in the eastern end of the site.



Plate 13: Curvilinear ditch 024



Plate 14: Large pit 005 in service trench

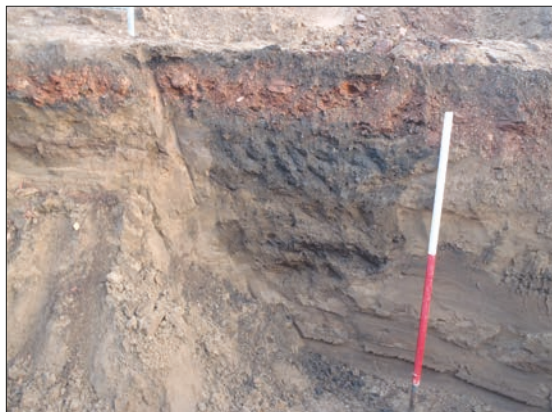


Plate 15: Smaller pit 006 in service trench



Plate 16: Old bakery foundations 034

Discussion

- 8.1 The fieldwork programme at Williamson Street, Falkirk has revealed the presence of both prehistoric and Roman activity. The presence of an intact and *in situ* early Bronze Age funeral urn within a ring ditch in the centre of Falkirk town is an unusual survivor in an urban area where early activity is often assumed to have been destroyed due to later and more invasive building works on site. Certainly, Williamson Street and its environs has seen much change over the years as it became more urbanised with both industrial and residential properties. Few prehistoric sites are recorded within Falkirk probably due to the above process and the lack of recording of

these sites when encountered in the past. However, several do exist and include finds spots to the south-west and west of the site. These include a barbed and tanged flint arrowhead at High Station Road (Canmore ID 125411), Neolithic pottery sherds in the Bantaskin area (Canmore ID 46746) and a late Bronze Age spearhead to the south of Camelon Road (A803) (Canmore ID 46904). Structural features do exist although most are found in the outskirts of Falkirk as crop marks in existing fields. These include ring ditch features, albeit presently undated, to the west, south and north of Wester Carmuir's Roman Temporary Camp (Canmore ID 251654, 251648 and 46935) and the remains of an undated fort at Callander Woods (Canmore ID 282665) to the south. However, the cremation urn and its ring ditch provide solid evidence of early pre-Roman activity in an area often dominated by its Roman sites.

- 8.2 The linear metalled surface uncovered in the north of the site is of probable Roman date. The road constructed of pebbles and cobbles set within a sandy matrix had been built on a pre-existing track usually referred to as a "hollow way". Hollow way tracks are often formed through soil erosion due to traffic and/or excavation. They often have upcast mounds of soil lining their edges where soil has been excavated to clear the route and then dumped at the side. None was noted at this site, although could have been removed during later construction works. The hollow way track contained two deposits probably the result of trampled in soil during its use and/or as a means of infill prior to the formal metalled trackway construction. The date of the hollow way is unknown and is evidently earlier than the overlying metalled surface which provided no datable artefacts or obvious botanical material which might provide a radiocarbon date. However, soil sample analysis might provide some organic material which could be used for possible dating. The metalled surface was truncated by a later curvilinear ditch feature 026 which contained fragments of Roman amphorae sherds, suggesting that the trackway is of probable Roman date and the pottery might be a residual find from the road surface and disturbed during the curvilinear ditch excavation.
- 8.3 If Roman in date, it is difficult to decipher where the trackway is going to/coming from. Falkirk Roman fort is located to the south-west of the present site and to the south of the Antonine Wall. The present site is located to the north of the Antonine Wall with the track orientated away from Falkirk Roman fort suggesting that this was not its route. A possible Roman bathhouse was found in Callander Park to the south of the present site which might be the destination of the trackway although it is some distance away.

Recommendations

- 9.1 The stage 2 archaeological mitigation works has revealed that potentially significant archaeological features of both prehistoric and Roman date exist within the development site.
- 9.2 Given the significance of the archaeology encountered a programme of post-excavation analysis and publication will be necessary to fully discharge the planning condition. The mitigation methodology to be employed during Stage 3: post excavation analysis and publication will be specified in a post-excavation research design (PERD) and costed for agreement of the client. The PERD will subsequently be submitted for the agreement of Falkirk Council Archaeology Advisor prior to the commencement of this work, in line with the agreed WSI and Addendum.
- 9.3 GUARD Archaeology Limited would stress that these recommendations are intended for guidance only and the final decisions on the nature and extent of any further archaeological work rest with the planning authority.
- 9.4 A summary of the project results will be submitted to *Discovery and Excavation in Scotland*. A copy of this is included in Appendix G. The archive for the project, including a copy of the report, will be submitted to the National Monuments Records for Scotland within six months of the completion of all fieldwork.
- 9.5 The online OASIS form at <http://ads.ahds.ac.uk/project/oasis/> for this project (OASIS Reference: guardarc1-351821) will be completed within 3 months. Once the Data Structure Report has become a public document by submission to or incorporation into the SMR, the archaeological

advisor to Falkirk Council will validate the OASIS form thus placing the information into the public domain on the OASIS website.

Acknowledgements

- 10.1 GUARD Archaeology would like to thank JR Group for commissioning the work. Thanks also to Geoff Bailey KA&LH for his advice and assistance during monitoring visits. The archaeological works were directed by Maureen Kilpatrick and Eduardo Perez-Fernandez with assistance from Laura Anderson, Jordan Barber, Mike Ferguson and Camilla Löfgren. Technical support was from Clark Innes, Aileen Maule and Jen Cochrane. Illustrations were produced by Jennifer Simonson and the report was desk top published by Gillian Sneddon. The project was managed for GUARD Archaeology by Warren Bailie.

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Section 2: Appendices



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Appendices

Appendix A: Bibliography

British Geological Survey, Geology of Britain Viewer; <http://mapapps.bgs.ac.uk/geologyofbritain/home.html>; [accessed 8th October 2018]

Hunter Blair, A 2019 Williamson Street, Falkirk, Archaeological Evaluation: Data Structure Report, GUARD Archaeology Ltd, Unpublished DSR 5077, Glasgow.

Appendix B: List of Contexts

Context No.	Area	Description	Interpretation
001	W	Grey tarmac (depth 0.1m) & hardcore of sub-angular cobbles within a grey silty sand matrix (depth 0.2 m).	Modern road make-up.
002	W	Grey silty sand and gravel (depth 0.6 m) with inclusions of modern debris.	Made ground (modern).
003	W	Brown orange sand (depth 0.3 m). Slopes down towards the South end of the site (Depth at N end of site - 0.5 m; Depth at S end - 0.1 m).	Probable topsoil deposit.
004	W	Beige yellow sand with iron panning.	Natural sand with layering and iron panning.
005	SW	Cut of pit (length N/A; breadth 1.60 m; depth 1.05 m). Straight sides, vertical on W side, gradual slope inwards on E side. Flat base. Contains fills 007-012. Only seen in section of pipe trench. Located 0.35 m below present ground surface.	Cut of probable pit.
006	SW	Cut of small pit (length N/A; breadth 0.83 m; depth 1 m). Straight sides, tapering inwards to base. Rounded base. Contains fills 013-016. Only seen in section of pipe trench. Located 0.23 m below ground surface.	Cut of small pit.
007	SW	Grey beige loose sand (depth 0.3 m- 0.43 m; width 1.2 m). Lower fill of pit 005. Only seen in section of pipe trench.	Lower fill of pit 005.
008	SW	Orange/brown loose sand (depth 0.14 m; width 0.74 m; length N/A). Secondary fill of pit 005. Only seen in section of pipe trench.	Secondary fill of pit 005.
009	SW	Dark grey loose sand (depth 80 mm; width 0.24 m; length N/A). Slightly mixed at SE end. Intermediate fill of pit 005. Only seen in section of pipe trench.	Intermediate fill of pit 005.
010	SW	Mixed grey/brown loose sand (depth 0.27 m; width 1.2 m; length N/A). Intermediate fill of pit 005. Only seen in section of pipe trench.	Intermediate fill of pit 005.
011	SW	Dark grey loose sand (depth 0.14 m- 0.3 m; width 1.2 m; length N/A). Intermediate fill of pit 005. Only seen in section of pipe trench.	Intermediate fill of pit 005.
012	SW	Mixed grey compact (compressed) sand (depth 0.28 m; width 1.1 m; length N/A). Upper fill of pit 005. Immediately below modern layers, with some modern contamination. Only seen in section of pipe trench.	Upper fill of pit 005.
013	SW	Beige loose sand (depth 0.12 m; width 0.52 m; length N/A). Fill at base of pit 006. Only seen in section of pipe trench.	Lower fill of pit 006.
014	SW	Mottled beige/grey loosely compacted sand (depth 0.32 m; width 0.78 m; length N/A). Secondary fill of pit 006. Only seen in section of pipe trench.	Secondary fill of pit 006.
015	SW	Beige/brown loose sand (depth 0.11 m; width 0.83 m; length N/A). Intermediate fill of pit 006. Only seen in section of pipe trench.	Intermediate fill of pit 006.
016	SW	Dark grey very compact sand (depth 0.31 m; width 0.83 m; length N/A). Possible contamination in upper levels from the directly overlying modern layers.	Upper fill of 006.
017	SW	Beige/yellow sand.	Redeposited sand. Modern deposit.
018	SW	Reddish/pink blaes (depth 0.22 m;) Seen in section of service trench, above pits 005 & 006.	Modern blaes deposit in SW area.

Context No.	Area	Description	Interpretation
019	NE	Cut of pit (length 0.5 m; width 0.43 m; depth 0.12 m). E/W orientation. Oval in plan. Straight sides, sloping inwards. Shallow. Rounded base. Contains fill 020.	Cut of pit.
020	NE	Mid-grey sand (depth 0.12 m; width 0.43 m; length 0.50 m) with inclusions of pebbles, charcoal and cinder. Possibly containing bone fragments.	Fill of small, shallow pit 019.
021	Area 1	Cut of pit (length 1.70 m; width 1.20 m; depth 0.41 m). NE/SW orientation. Oval in plan. Contains fill 022. Truncated by modern material.	Modern pit.
022	Area 1	Mid-grey sand with inclusions of plant roots.	Fill of modern pit 021.
023	Area 1	Compact deposit of yellowish mid-grey silty sand (depth max 0.15 m; width 1.80 m; length 13.5 m) with substantial inclusions of grit, pebbles, and cobbles (c. 80%). Runs in a N-S direction. Clearest at northern end of Area 1, gradually fades out towards the southern end of Area 1. Likely truncated by ditch 024.	A probable metalled trackway. Truncated by curvilinear ditch 024 on its east side. A probable kerb, 026, runs along its length on its eastern side. A possible camber, 029, is also present on the eastern side of the trackway.
024	Area 1	Cut of curvilinear ditch (length 7.20 m; width 0.70 m; depth at North end 0.30 m; depth at SE end 0.60 mm). N/S-E/W. Rounded terminals. Gradually sloping sides, concave base. Likely truncating trackway 023 and kerb 026. Contains fill 025.	A curvilinear ditch likely truncating trackway 023 and kerb 026.
025	Area 1	Orangish mid-brown loose sandy silt (fills entirety of the cut: thickness 0.30 m - 0.60 cm). Relatively homogenous with occasional inclusions of large cobbles (c. 0.40-0.80 mm). A single large red/orange ceramic sherd, 005, was found in the mid-upper fill.	Fill of curvilinear ditch 024. The large cobbles in the fill are perhaps disturbed remains of the kerb 026.
026	Area 1	Linear structure comprised of unbonded drystone (length 8 m; width 0.8 m; height 0.3 m). Runs in a N-S direction along eastern side of trackway 023. Stones comprising are 0.50 mm to 0.25 m in size, and are of mixed angular/rounded shape. Likely truncated by curvilinear ditch 024.	Probably a kerb alongside trackway 023.
027	Area 1	Cut of large ditch (length 17 m; width 5 m; depth 0.40 m). Gradual slope with concave base. Runs in a N/S direction, along with trackway 023. Contains fills 028, 031. Truncated by linear ditch 024.	Possibly a hollow way/sunken lane.
028	Area 1	Dark orange/brown loose sand. Primary fill of hollow way/sunken lane 027.	Fill of hollow way/sunken lane 027.
029	Area 1	Deposit of pebbles within a matrix of light greyish brown sand (depth 0.15 m; width 1.5 m; length 8 m).	A stoney/pebbly deposit sloping down to the east from kerb stones 026. Possibly a camber for trackway 023.
030	Area 1	Whitish grey fill found at the base of Slot B. Compact, appears to be a hard pan layer containing iron salts. Also appeared in section within the machined pipe trench to the immediate south of Area 1.	Iron pan at interface between 027 and 004.
031	Area 1	Light beige/yellow friable sand (depth 0.18 m; extent 2.1 m) with small number of pebble inclusions. Seen in south facing section of Slot B directly underlying trackway 023 on its western side.	Partial upper fill of hollow way/sunken lane 027.
032	Area 4	Dark grey gravel/sand deposit (depth 0.40 m). Seen on north facing section of attenuation tank directly underlying modern overburden.	Natural deposit.
033	Area 4	Beige/orange sand with cobbles/sub-rounded pebbles and occasional modern debris (depth 0.1-0.45m). Found at south facing section of attenuation tank below modern overburden. Slopes to SE, following tip lines in natural deposits.	Natural deposit.

Context No.	Area	Description	Interpretation
034		Bonded brick and concrete linear structure (length 5-10 m; exposed height 0.7 m).	Portion of the brick and concrete footings of a bakery surviving in the East side of the site. Located below 002 and above 004. Seen primarily during excavation of a service trench.
035	Area 3	Sub-circular shaped cut measuring 0.28 m x 0.55 x 0.45 m (extended to 0.6 m on excavation). Sides steep, vertical with concave base. Filled with 036 and ceramic urn SF10	Cut of pit containing ceramic vessel with cremated bone (SF10).
036	Area 3	Dark brown to black sandy silt with inclusions of cobble sized stones. Fills entirety of pit 035. Complete inverted ceramic urn found in SW area of fill (SF10). Charcoal and burnt bone fragments also found in fill.	Fill of pit 035 containing inverted cremation urn SF10
037	Area 3	Cut of sub-rectangular feature measuring 4.25 m x 1.93 m, depth 0.11 m. Filled with 038 and 039.	Cut of modern pit containing disused oil tank.
038	Area 3	Brown grey silty sand with modern inclusions including coal, brick, stone and modern pottery fragments. Measures 4.25 m x 1.93 m x 0.11 m depth.	Modern fill of oil tank trench.
039	Area 3	Orange modern brick layer measuring 2.25 m x 1.93 with a depth of 0.11 m.	Modern brick layer within cut 037 that made up foundation layer for oil tank which was found above.
040	Area 3	Circular cut of pit measuring 0.78 m x 0.7 m with a depth of 0.53 m. Orientated NE/SW with steep vertical sides and a flat base., Filled with 041.	Cut of modern pit.
041	Area 3	Brown grey sand with inclusions of coal, iron, charcoal and stone inclusions. Extends cut 040.	Fill of modern pit 040.
042	Area 3	Sub-oval cut measuring 0.76 m x 0.59 m with a depth of 50 mm. Orientated SW/NE. Sides concave and base flat and irregular. Filled with 043.	Cut of natural slump.
043	Area 3	Grey brown silty sand with pebble sized stone inclusions.	Natural infill of slump in ground 042.
044	Area 3	Yellowish dark brown sandy silt with occasional coal and stone inclusions. Measures 2.2 m x 2.1 m with a depth of 0.1 m.	Natural spread.
045	Area 3	Brown grey silty sand with modern pottery, stone and coal inclusions. Measures 0.77 m x 0.68 m with a depth of 0.25 m.	Fill of modern pit.
046	Area 3	Sub-circular cut measuring 0.77 m x 0.68 m with a depth of 0.25 m. Base concave.	Cut of modern pit.
047		Void	
048	Area 3	Oval shaped pit measuring 0.73 m x 0.45 m with a depth of 0.11 m. Orientated N/S. Sides straight and base concave. Filled with 049.	Cut of modern pit.
049	Area 3	Brown grey silty sand with stone and coal inclusions. Extends cut 048.	Fill of modern pit 048.
050	Area 3	Brown grey silty sand with glass and coal inclusions. Measures 1 m x 0.9 m with a depth of 0.16 m.	Fill of modern pit 051.
051	Area 3	Circular cut of pit measuring 1 m x 0.9 m with a depth of 0.16 m. Base concave and filled with 050.	Cut of modern pit.
052	Area 3	Curvilinear ring ditch measuring 10 m approx, 0.82 m wide and depth of 0.12 m. Sides shallow and base concave/uneven. Filled with 053/055 and truncated by 037 in the NE area. Only partially seen due to limits of excavation to the west.	Curvilinear ring ditch probably enclosing cremation urn pit.
053	Area 3	Yellowish orange silty sand measuring 0.82 m wide and 0.12 m deep. Truncated by 037 modern feature.	Infill of ring ditch 052 slot B. Same as 055.
054	Area 3	Cut of probable ring ditch 052. Measures 10 m approx, 0.95 m width and 0.35 m depth. Curvilinear in shape, although probably circular in full. Sharp break of slope at top, concave sides with flat/concave base. Filled with 053 and 055	Cut of ring ditch. West side not observable due to trench edge.
055	Area 3	Orange brown sandy silt with very few CV inclusions and pebbles.	Fill of ring ditch.
056	Area 3	Brown grey silty sand with inclusions of brick and coal fragments. Measures 0.6 m x 0.6 m with a depth of 0.1 m.	Fill of modern pit 057.

Context No.	Area	Description	Interpretation
057	Area 3	Cut of square pit measuring 0.6 m x 0.6 m with a depth of 0.1 m. Orientated N/S. Sides steep and base rounded. Filled with 056.	Cut of modern pit.
058	Area 3	Brown grey silty sand with fragments of coal and building debris. Measures 0.25 m x 0.25 m with a depth of 70 mm.	Fill of modern pit 059.
059	Area 3	Circular cut of pit measuring 0.25 m diameter with a depth of 70 mm. Base flat. Filled with 058.	Cut of modern pit.
060	Area 3	Brown grey silty sand with fragments of brick, coal and pebbles. Measures 1 m x 0.7 m with a depth of 0.3 m. Fill of 061.	Fill of linear feature.
061	Area 3	Linear feature measuring 1 m x 0.7 m with a depth of 0.3 m. Orientated E/W. Base irregular. Filled with 0.60.	Cut of modern linear feature.
064	Area 3	Brown grey silty sand with coal and brick frag,ents. Measures 0.6 m x 0.6 m with a depth of 0.1 m. Filled with 065.	Fill of modern feature.
065	Area 3	Cut of square shaped modern feature measuring 0.6 m x 0.6m with a depth of 0.1 m. Orientated NE/SW with steep sides and irregular base. Filled with 064.	Cut of modern pit.
066	Area 3	Dark brown grey silty sand with coal and brick inclusions. Measures 205 m x 1.5 m with a depth of 0.13 m.	Modern deposit with coal and brick inclusions.
067	Area 3	Cut of trapezoidal feature, measuring 2.50 m. in length, 1.50 m. in width, and 0.50 m. in depth, and with a N-S orientation. The base of the feature is irregular.	Cut of a modern feature.
068	Area 3	Cut of pit within ring ditch [054]. Measures 2 m. in length, 0.8 m. in width, and 0.29 m. in depth. Sub-oval in plan and with a NW-SE orientation. Steep sides, flat base. Truncated by an animal burrow.	Modern feature.
069	Area 3	Yellow/orange, loose silty sand. 0.29 m. in depth, filling the entirety of pit 068. Similar to natural, though with slightly grittier composition.	Fill of modern pit 068. Infilled natural.
070	Area 3	Dark brown/orange sandy silt with few inclusions. Maximum thickness - 0.09 m. Extent 0.45 m in north facing section, 0.18 m. in south facing section. Diffuse/mixing with underlying fill apparent.	Upper fill of 054 (visible in slot D)
071	Area 3	Light brown silty sand with lenses of brown/grey 066. Loose with 2 medium stones (0.15 x 0.10 m.) and several bricks and chunks of coal.	Fill of 067. Modern.
072	Area 3	Cut of feature. Measures 0.65 m. in length, 0.25 m. in width, and 0.15 m. in depth. E-W orientation and amorphous shape in plan. Undulating on east side and with concave base. Truncated by 054.	Probably natural rooting.
073	Area 3	Orange/brown silty sand with very few inclusions. Fills entirety of the cut, with thickness of 0.25 m. and extending 0.65 m. Truncated by ring ditch 054.	Fill of 072. Likely natural infill.
074	Area 3	Cut of feature. Measuring 0.57 m. in length, 0.30 m. in width, and with a maximum depth of 0.15 m. W-E orientation and sub-ovoid in plan. Undulating side to the east, and with a concave base. Truncated by ring ditch 054.	Probably natural rooting, similar to 072.
075	Area 3	Orange/brown silty sand with inclusions of grit and several manganese fragments. Thickness of 0.19 m. and extends 0.35 m in section. Truncated by ring ditch 054.	Fill of 074. Likely natural infill.
076	Area 3	Cut of pit. 0.80 m. in length, 0.40 m. in width, and with a depth of 0.15 m. NW-SE orientation and amorphous in plan. Concave side to north. Concave base. Truncating ring ditch 054.	Likley modern.
077	Area 3	Dark brown sandy silt with inclusions of several large pebbles/ stones. Depth - 0.55m from tarmac surface, 0.15 m thick, extending 0.85 m.	Fill of 076. Likely modern.

Appendix C: List of Finds

Find No.	Area	Context No.	No. of Pieces	Material	Description
1	NW	022	1	Ceramic	Green Glaze Post-Medieval Pot Sherd
2	NW	022	1	Glass	Modern Glass Sherd
3	NW	022	1	Glass	Modern Bottle Glass Sherd
4	NW	003	1	Ceramic	Medieval Pot Sherd
5	NW	025	1	Ceramic	Amphora Body Sherd. Falkirk Council archaeologist suggests this is a fragment of Roman olive oil amphora.

Find No.	Area	Context No.	No. of Pieces	Material	Description
6	NW	028	1	Ceramic	Green-Glaze Ceramic Pot Sherd
7	NW	003	1	Ceramic	Post-Medieval Pot Sherd
8	NW	003	1	Ceramic	Medieval Pot Sherd
9	Area 2	003	1	Ceramic	Green Glaze Medieval to Post-Medieval Pot Sherd

Appendix D: List of Samples

Sample No.	Area	Context No.	Size	Reason for Sampling				Application/Comments
				Pot	Bone	Lithics	Botanics	
001	SW	013	1xM				X	Lower Fill of Pit 006
002	SW	014	1xM				X	Secondary Fill of 006
003	SW	015	1xM				X	Fill of Pit 006
004	SW	016	1xM				X	Upper Fill of Pit 006
005	SW	007	1xM				X	Lower Fill of Pit 005
006	SW	008	1xM				X	Secondary Fill of Pit 005
007	SW	009	1xM				X	Fill of Pit 005
008	SW	010	1xM				X	Fill of Pit 005
009	SW	011	1xM				X	Fill of Pit 005
010		007,004	1xK					Kubiana Tin 1 from Pit 005
011		009,008	1xK					Kubiana Tin 2 from Pit 005
012		011,010	1xK					Kubiana Tin 3 from Pit 005
013		012,011	1xK					Kubiana Tin 4 from Pit 005
014	NW	023	4xL					From Slot A of Track 023
015	NW	023	4xL					From Slot C of Track 023
016	NW	023	2xL					From Slot B of Track 023
017	025	NW	3xL					Fill of Ditch 024
018	020	1	1xL					Fill of Pit 019
019	028	1	3xL					Fill of Large Ditch 027 from Slot D
020	028	1	3xL					Fill of Large Ditch 027 from Slot C
021	029	1	1xL					Sandy Matrix of Stone Camber in Slot C
022	028	1	4xL					Fill of Large Ditch 027 from Slot B
023	025	1	1xL					Fill from Eastern End of Small Ditch 024
024	028,030	1	1xK					Kubiana Tin 5 from South Facing Section of Slot B
025	028	1	1xK					Kubiana Tin 6 from South Facing Section of Slot B
026	031	1	2xL					Upper fill of 027 from Slot B
027	3	041	1xL					Fill of modern pit 040
28	3	036	13xL		X			Fill of 035: a crematory pit containing vessel and bone.
29	3	043	1xL					Fill of modern pit 042.
30	3	044	1xL					Fill of natural feature 042 Slot A
31	3	044	1xL					Fill of natural feature 042 Slot B
32A	3	049	1xL					Fill of modern pit 048
32B	3	053	4xL					Fill of ring ditch 054 (Slot B)
33	3	069	2xL					Fill of modern feature 068
34	3	055	4xL					Fill of ring ditch 054 (Slot A)
35	3	055	4xL					Fill of ring ditch 054 (Slot C)
036	3	055	2xL					Fill of ring ditch 054 (Slot G)
37	3	055	2xL					Fill of ring ditch 054 (Slot D)
38	3	070	1xL					Fill of ring ditch 054 (Slot D)
39	3	075	3xM					Fill of 074 in ring ditch section (Slot D)
40	3	073	3xM					Fill of 072 in ring ditch section (Slot D)
41	3	055	2xL					Fill of ring ditch 054 (Slot E)

Appendix E: List of Drawings

Drawing No.	Area	Sheet No.	Subject	Scale
1	SW	1	SW Facing Section of Pit 005	1:10
2	SW	1	SW Facing Section of Pit 006	1:10
3	1	2	North Facing Section of Slot A through Trackway 023 with Parallel Ditch 024	1:10
4	1	2	North Facing Section of Slot B through Trackway 023	1:10
5	1	2	North Facing Section of Slot C through Trackway 023 and kerb 026	1:10
6	1	2	South Facing Section of Ditch 024	1:10
8	1	2	East Facing Section of Ditch 024 Eastern Terminal End	1:10
10	1	7	North Facing Section of Slot C through Trackway 023, Hollow Way 027 & Camber 029	1:10
11	1	6	South Facing Section of Slot D through Hollow Way 027	1:10
12	1	4	Post-Ex Plan of Area 1 - Part.1	1:20
13	1	5	Plan of Slot C	1:20
14	1	7	South Facing Section of Slot B through Trackway 023 & Hollow Way 027	1:10
15	1	7	Post-Ex Plan of Slot B	1:20
16	1	6	Post-Ex Plan of Slot C	1:20
17	1	6	Post-Ex Plan of Slot D	1:20
18	1	3	Post-Ex Plan of Area 1 - Part. 2	1:20
19	3	8	SE-Facing section of crematory pit 035	1:10
20	3	8	Plan of crematory pit 035	1:10
21	3	8	SW-Facing section of modern pit 040	1:10
22	3	9	Plan of natural spread/deposit 044	1:20
23	3	8	SE-Facing section of ring ditch 052 (Slot B) + modern foundation layer 037	1:10
24	3	8	E-Facing section of ring ditch (Slot A) with overlying tarmac and made ground	1:10
25	3	10	S-Facing section of ring ditch 054 (Slot C)	1:10
26	3	10	N-Facing section of ring ditch 054 (Slot C)	1:10
27	3	10	NW-Facing section of pit 068	1:10
28	3	10	E-Facing section of ring ditch 054 (Slot G)	1:10
29	3	10	N-Facing section of ring ditch 054 (Slot D)	1:10
30	3	10	S-Facing section of ring ditch 054 (Slot D)	1:10
31	3	10	N-Facing section of ring ditch 054 (Slot D) (Update of drawing # 029)	1:10
32	3	11	Post-ex plan of Area 3	1:20
33	3	12	E-facing section of ring ditch 054 (Slot E)	1:10
34	3	12	SW-Facing section of ring ditch (Slot E)	1:10

Appendix F: List of Digital Photographs

Film No.	001	5194_1_(1) to (124)		
Frame	Area	Context No.	Subject	Taken from
1			ID Shot	
2			General Shot of Site	SE
3			General Shot of Site	SE
4			General Shot of Site	SE
5			General Shot of Site	SE
6	SW	001-003	SW Area Pre-Dug Services	SE
7	SW	001-003	NE Facing Section of Pre-Dug Area	NE
8	W	001-004	Pre-Dug Services Along Road	NE
9	W	001-004	Pre-Dug Services Along Road	NE
10	W	001-004	NE Facing Section of Pre-Dug Services Along Road	NE
11	W	001-004	NE Facing Section of Pre-Dug Services Along Road	NE
12	W	001-004	Digging in W Area: Process	SE
13	W	001-004	SE Facing Section of W Area	SE
14	NW	001	Location of Test Pit 1	NW
15	NW	001-004	Post-Ex of Test Pit 1	NW

Frame	Area	Context No.	Subject	Taken from
16	N Central	001-004	Post-Ex of Test Pit 2	SW
17	S Central	001-004	Post-Ex of Test Pit 3	SW
18	SW	001-004	Post-Ex of Test Pit 4	SW
19	SE	001-004	Post-Ex of Test Pit 5	NE
20	NE	001-004	Post-Ex of Test Pit 6	NE
21	SW		Drainage Line Pre-Ex	NW
22	SE	002, 017, 018, 007, 012,004	SE Facing Section of Pit 005	SE
23	SE	002,017,018,007,012,004	SE Facing Section of pit 005	SE
24	SE	002,017,018,007,012,004	SE Facing Section of pit 005: Oblique Shot	SE
25	SE	017,018,004	Manhole Post-Ex	SE
26	E	004	Pipe Trench: General Shot	E
27	SE	004,017,018,013-016	SE Facing Section of Pit	SE
28	SE	004,017,018,013-016	SE Facing Section of Pit	SE
29	SE	004,017,018,013-016	SE Facing Section of Pit	SE
30	SE	004,017,018,013-016	SE Facing Section of Pit	SE
31	SE	004,018,007,012,002	Kubiana Tins in Situ Pit 005	SE
32	SE	004,018,007,012,002	Kubiana Tins in Situ Pit 005	SE
33	SE	004,018,007,012,002	Kubiana Tins in Situ Pit 005	SE
34	SE	005,006,004	Pits 005 and 006 Oblique Shot	SE
35	NW	002	Excavation in NW Area Using Machine	NW
36	NW	004	NW Area Post-Ex	NW
37	NW	002	Building Debris in NW Area	N
38	NW	004	General Shot of NW Area	E
39	NW	004	General Shot of NW Area	E
40	NW	004	General Shot of NW Area	N
41	NE	004	Brick/Concrete Wall Footings	NE
42	NE		General Shot of NE Area Post-Ex	NE
43	NE	021	Pre-Ex of Pit	S
44	NE		Pre-exc of pit - modern	SE
45	NE	019	Post-Ex of Pit	S
46	NE	019	Post-Ex of Pit	S
47	NE	019	Post-Ex of Pit	S
48	NE		General Shot of N Area	SE
49	NE		General Shot of N Area	SE
50	NE		General Shot of N Area	SE
51	NE		Excavation of Modern Pit	SW
52	NE		Pipe Trench Excavation in South of Site	NE
53	NE		Pipe Trench Excavation in South of Site	NE
54	NW	021,022	Post-Ex of Pit	NW
55	NW	021,022	Post-Ex of Pit	SW
56	SW		SW Facing Section of Service Trench	SW
57	S	002.003,004	Manhole Excavation in South of Site	SW
58	S	002,003,004	SE Facing Section of Manhole in South of Site	SE
59	S	002,003,004	Service Trench Excavation in South of Site	SW
60	S	002,003,004	Service Trench Excavation in South of Site	SE
61	W	002,003,004	Service Trench Along Road	SE
62	W	002.003,004	Service Trench Along Road	SW
63	E	002, 003, 034	Excavation of service trench in SE of site	SW
64	S	001-003	Excavation of Service Trench in SE of Site	SW
65	S	001-003	Excavation of Service Trench in SE of Site	SW
66	W	001-004	Service Trench Along Road	SE
67	W	001-004	Service Trench Along Road	NE
68	S	001-003,004	Brick Foundations Service Trench in South of Site	SW
69	S	001-003, 004	Brick Foundations Service Trench in South of Site	SW

Frame	Area	Context No.	Subject	Taken from
70	S	001-003,004	Manhole Excavation in South of Site	SW
71	N	023,026	Kerbing Stone	SE
72	N	023,026	Kerbing Stone	SE
73	N	023,026	Kerbing Stone	SW
74	N	023,026	Kerbing Stone	SW
75	N	023,026	Kerbing Stone	SE
76	Slot B	027,023	Post-Ex of Slot Through Track 023	SW
77	Slot A	023,027,025,024	NW Facing Section Throgh Slot A of Track 023 & Ditch 024	NW
78	Slot A	023,027,025,024	NW Facing Section of Slot A Through Track 023 & Ditch 024	NW
79	Slot C	023,027	SE Facing Section of Slot C Through Track 023	SE
80	Slot C	023,027	SE Facing Section of Slot C Through Track 023	SE
81	Slot C	023,027	Post-Ex of Slot C Through Track 023	SW
82	Slot C	023,027	Post-Ex of Slot C Through Track 023	SW
83	Slot C	023,027	SE Facing Section of Slot C Through Track 023	SE
84	NW	026,024	Kerbing Stones at Ditch	SW
85	NW	004	General Shot of NW of Site	SE
86	W	002-004	Working Shot of West Area	NW
87	W	002-004	West Facing Section of Deposits in West of Site	W
88	E	002-004	West Facing Section of Service Trench in East of Site	W
89	E	002-004	Post-Ex of Service Trench	NW
90	NW	004	Modern Infill in North of Site	W
91	NW	024-025	SE Facing Section of Ditch	SE
92	NW	024-025	Post-Ex of Slot Through Ditch	SE
93	S	001-004	Deposits - West Facing Section of Service Trench in West of Site	W
94	S	001-004	Post-Ex of Service Trench in West of Site	SW
95	S	001-004	Post-Ex of Service Trench in West of Site	SE
96	W	002-004	Box in situ Along Western Road Service Trench	SE
97	W	002-004	Box in situ Along Western Road Service Trench	NW
98	W	002-004	Post-Ex & West Facing Section of Deposits in West of Site	W
99	W	002-004	Post-Ex & West Facing Section of Deposits in West of Site	W
100	SW		Attenuation Tank Pre-Ex	E
101	SW		Posiibl Line of Roman Road in Attenuation Tank Area	S
102	Area 2	004	Excavation of Area 2	NW
103	Area 2	001-002	Excavation of Area 2	NW
104	Area 2	004	Excavation of Area 2	NW
105	4	002	Demolition Debris	NE
106	4	002	Excavation of Attenuation Tank	SE
107	4	001-002, 004	North Facing Section Deposits	SE
108	4	001-002,004	South Facing Section of Deposits	NW
109	4	004	Post-Ex South Side of Tank	SW
110	4	004	Post-Ex South Side of Tank	NE
111	4	001-002,004,032	North Facing Section	NE
112	4	001-002,004,032	NE Facing Section	NW
113	4	001-002,004	East Facing Section	NE
114	4	001-002,032	NW Corner Section	S
115	4	001-002,032	South Facing Section	S
116	4	001-002,032	South Facing Section	S
117	4	001-002,032,004	West Facing Section	W
118	4	001-002,032,004	West Facing Section	W
119	4	001-002,032,004	West Facing Section	W
120	4	004	Post-Ex of Tank Area	N

Frame	Area	Context No.	Subject	Taken from
121	4	004	Post-Ex of Tank Area	N
122	4	004	Post-Ex of Tank Area	SW
123	4	004	Post-Ex of Tank Area	SW
124	1/2	004	Pipe Trench E/W South of Area 1	E
Film No.	002		5194_(1) to (108)	
1			ID Shot	
2			Trackway Mid-Ex	S
3			Trackway Mid-Ex	S
4			Trackway Mid-Ex	S
5			Small Slot Through Gravel	W
6			Possible Feature - Non-Arch	SE
7		023	Gravel Road	S
8		023	Gravel Road	S
9		023	Gravel Road	N
10		023	Gravel Road	N
11		023	Gravel Road	N
12		023	Gravel Road	N
13		023	Gravel Road	S
14		024-025	Slot Through Small Ditch	S
15		023	Gravel Road	N
16		023	Gravel Road	N
17		023,028	Post-Ex Slots Through Gravel Roadway	N
18		023,028	Post-Ex Slots Through Gravel Roadway	N
19		023,026	Kerbing at East Side of Road	N
20		023,026	Kerbing at East Side of Road	N
21		023-025	Mid-Ex of Small Ditch	N
22		023,026	Kerbing at East Side of Ditch	N
23		023,026	Kerbing AT East Side of Ditch	N
24		023,026	Kerbing at East Side of Ditch	S
25		023-026, 028	General Shot Mid-Ex of Site	S
26		023-026,028	General Shot Mid-Ex of Site	S
27		023-026, 028	General Shot Mid-Ex of Site	S
28		023-026, 028	General Shot Mid-Ex of Site	S
29			Working Shot in South of Site	N
30			General Post-Ex of Site	NW
31			General Post-Ex of Site	NW
32			General Post-Ex of Site	NW
33			General Post-Ex of Site	S
34			General Post-Ex of Site	S
35			General Post-Ex of Site	S
36			General Post-Ex of Site	S
37			General Post-Ex of Site	S
38			General Post-Ex of Site	E
39		028-029,026	South Facing Section of Slot C	S
40			General Post-Ex of Slot B	E
41			General Post-Ex of Slot B	W
42		028,023-024	South Facing Section of Slot B	S
43		028,023-024	South Facing Section of Slot B	S
44		028,023-024	General Post-Ex of Slot B	E
45		026,029	General Post-Ex of Slot C	NE
46		026,029	General Post-Ex of Slot C	NE
47		026,029	General Post-Ex of Slot C	E
48		026-027,029	North Facing Section of Slot C	N
49		026-207,029	North Facing Section of Slot C	N
50			General Post-Ex	S

Frame	Area	Context No.	Subject	Taken from
51			Working Shot of Site	SW
52			Working Shot of Site	SW
53		027,029	Post-Ex of Slot B Showing Camber	N
54		027,029	Post-Ex of Slot B Showing Camber	S
55			General Post-Ex of Site	S
56			General Post-Ex of Site	S
57			General Post-Ex of Site	S
58			General Post-Ex of Site	S
59			General Post-Ex of Site	N
60			General Post-Ex of Site	N
61			General Post-Ex of Site	N
62		023,031,027	South Facing Section of Slot B	S
63		023,031,027	South Facing Section of Slot B	S
64		023,027	South Facing Section of Slot B	S
65		023,027	General Post-Ex of Slot B	E
66			General Post-Ex	SE
67			General Post-Ex	NE
68		027-029	South Facing Section of Slot D	S
69		027	General Post-Ex of Slot D	E
70		027	General Post-Ex of Slot D	W
71		026-027, 029,023	General Post-Ex of Slot C	E
72		023,026-027,029	North Facing Section of Slot C	N
73		023,026-027,029	North Facing Section of Slot C	N
74		026	General Post-Ex of Slot C	W
75		026	North Facing Section of Slot C	N
76			General Post-Ex of Slot C	E
77			Working Shot	S
78			Working Shot	S
79			General Post-Ex of Site	N
80			General Post-Ex of Site	N
81			General Post-Ex of Site	S
82			General Post-Ex of Site	S
83			Location of Kubiana Tins in South Facing Section of Slot B	S
84			General Post-Ex of Site	SE
85			General Post-Ex of Site	SW
86			General Post-Ex of Site	S
87			General Post-Ex of Site	S
88			General Post-Ex of Site	S
89			General Post-Ex of Site	SW
90			General Post-Ex of Site	S
91			General Post-Ex of Site	S
92			General Post-Ex of Site	S
93			General Post-Ex of Site	SW
94			General Post-Ex of Site	SE
95	1	002,004	SW Facing Section of Service Trench to Immediate South of Area 1	SW
96	1	004	Plan Shot of Service Trench to South of Area 1	E
97	1	002,004,027-028	South Facing Section of Machined Service Trench Showing Hollow Way 027-028	S
98	1	002,004,027-028	South Facing Section of Machined Service Trench Showing Hollow Way 027-028	S
99	1	002,004,027-028	South Facing Section of Machined Service Trench Showing Hollow Way 027-028	S
100	1	002,004,027-028	South Facing Section of Machined Service Trench Showing Hollow Way 027-028	S

Frame	Area	Context No.	Subject	Taken from
101	1	002,004,027-028	South Facing Section of Machined Service Trench Showing Hollow Way 027-028	S
102	1	002,004,027-028	South Facing Section of Machined Service Trench Showing Hollow Way 027-028	S
103	1	002,004,027-028	South Facing Section of Machined Service Trench Showing Hollow Way 027-028	S
104	1	002,004,027-028	South Facing Section of Machined Service Trench Showing Hollow Way 027-028	S
105	1	002,004,027-028	South Facing Section of Machined Service Trench Showing Hollow Way 027-028	S
106	1	002,004,027-028	South Facing Section of Machined Service Trench Showing Hollow Way 027-028	S
107	1	004	Manhole at East End of Service Trench	SE
108	1	004	Manhole at East End of Service Trench	SE
Film No.	003		5194_(1) to (66)	
1			I.D Shot	
2	1	004	General Shot	N
3	4		General Shot	N
4	1		General Shot of Northern Service Trench and Manhole	NW
5	1		General Shot of Northern Service Trench and Manhole	NW
6	1		General Shot of Northern Service Trench and Manhole	S
7	1		General Shot of Northern Service Trench and Manhole	S
8	1		General Shot of Northern Service Trench and Manhole	NE
9	1	004	General Shot of Site	N
10	1	004	General Shot of Site	N
11	1	002	Working Shot of Ramp Creation on the North of the Site	N
12	1	002	Ramp in North of the Site	W
13	1	002, 003, 004	Northern Section with Old Topsoil and Bakery Footings	SW
14	1	002, 003, 004, 023, 027, 028, 029	Roman Road and Ditch (hollow way) in Northern Section	SW
15	1	002, 003, 004, 023, 027, 028, 029	Roman Road and Ditch (hollow way) in Northern Section	SW
16	1	002, 003, 004, 023, 027, 028, 029	Roman Road and Ditch (hollow way) in Northern Section	SW
17	1	002, 003, 004, 023, 027, 028, 029	Oblique Shot of Roman Road and Ditch (hollow way) in Northern Section	W
18	1	002, 003, 004, 023, 027, 028, 029	Oblique Shot of Roman Road and Ditch (hollow way) in Northern Section	SW
19	1	002, 003, 004, 023, 027, 028, 029	Oblique Shot of Roman Road and Ditch (hollow way) in Northern Section	E
20	1	002, 003, 004	Oblique Shot of North Section	E
21	1	004	General Shot of Area 1	SW
22	1	002, 003, 004, 023, 027, 028, 029	Manhole Dugout	SW
23	1	002, 003, 004, 023, 027, 028, 029	Manhole Dugout	W
24	1	034, 002, 004	Bakery Foundations	E
25	VOID	VOID	VOID	VOID
26	1	002, 004	SW Facing Section in North of Area 1	SW
27	1	004	General Shot of Area 1	NE
28	1	004	General Shot of Area 1	NE
29	1	004	General Shot of Area 1	NE

Frame	Area	Context No.	Subject	Taken from
30	2	004	General Shot of Strip	E
31	2	004	East Facing Section of Strip	E
32	2	004	West Facing Section of Strip	NW
33	2	004	General Shot of Strip	NW
34	2	004	General Shot of Strip	NW
35	East	034, 002, 004	General Shot of Brick Bakery Foundations	SW
36	East Central	034, 002	NE Facing Section of Brick Bakery Foundations	NE
37	E	034, 002	General Shot of Bakery Foundations	S
38	E	002, 003, 004	General Shot of Eastern Service Trench	SW
39	E		General Shot of Temporary Road	SW
40	1	002, 003, 004	General Shot of Pipe Trench Northern Boundary	SW
41	2	002, 003, 004	NE Facing Section of Area 2	NE
42	1	004	Post Ex of Area 2	NW
43	E	002, 003, 004	General Shot of Service Trench	SE
44	E Central	002, 003, 004	General Shot of Service Trench	SE
45	1	002, 004	General Shot of Site	NE
46	1	002, 004	General Shot of Site	NE
47	1/2	002, 004	General Shot of Site	NW
48	1/2	002, 004	General Shot of Site	NW
49			Road Area	NE
50	East Central		Service Trench	NE
51	East Central	002, 034	Building Detritus in Service Trench	NE
52		002, 034, 004	General Shot of Bakery Wall Footings	NE
53		002, 034, 004	General Shot of Eastern Service Trench and Bakery Foundations	SW
54		002, 034, 004	General Shot of Eastern Service Trench and Bakery Foundations	W
55		002, 034, 004	SW Facing Section of Service Trench and Bakery Foundations	SW
56		002, 034, 004	SW Facing Section of Service Trench and Bakery Foundations	SW
57		002, 034, 004	SW Facing Section of Service Trench and Bakery Foundations	SW
58		002, 004	Manhole in South of Site	SW
59	4	002	Service trench in SE of attenuation tank	S
60	4	002	Service trench in SE of attenuation tank	SE
61	4	002	Service trench in SE of attenuation tank	SW
62	East Central	002	Overburden at east central area of site	SE
63	East Central	002	Overburden at east central area of site	N
64	Compound	002	Temporary water pipe at compound area	SW
65	Compound	002	Temporary water pipe at compound area	N
66	Compound	002	Temporary water pipe at compound area	NW
Film no.	004			
1	1	002, 003, 004, 023, 027, 028, 031	Post-ex of road at northern end	SE
2	1	002, 003, 004, 023, 027, 028, 031	Post-ex of road at northern end	SE
3	1	002, 003, 004, 023, 027, 028, 031	Post-ex of road at northern end	SE
4	1		I.D Shot	
Film no.	005			
1			I.D Shot	
2	1		General working shot of leveling in area 1/2	W
3	1		General working shot of leveling in area 1/2	NE
4	1		General working shot of leveling in area 1/2	SW
5	3		Working shot showing spoil collection	NE
6	3		Working shot of stripping in SW corner of Area 2/3	NE

Frame Film no.	Area 006	Context No.	Subject	Taken from
1			I.D Shot	
2	3	002	Pre-Ex of Area 3	NE
3	3	002	Pre-Ex of Area 3	E
4			General shot of site	S
5			Working shot in SE corner of site	E
6	3		Working shot of strip in Area 3	NE
7	3		Sample section. Made ground covering Area 3	NW
8	3		Made ground in Area 3	N
9	3		Made ground in Area 3	E
10	3		Working shot of strip in Area 3	N
11	3		Area 3 after strip completed	N
12	3		Area 3 after strip completed	E
13	3		Area 3 after strip completed	NE
14			Brick structure	SE
15			Brick structure	E
16			Brick structure	E
17			General shot of site	NW
18	3	002	General shot of stripped area	SW
19	3	002	Working shot: moving spoil in Area 3	SW
20	3		Metal tank within brick structure	SW
21	3		Shot of brick structure with metal tank removed.	SW
22	3		General shot of Area 3 after further strip	W
23	3		General shot of Area 3 after further strip	SW
24	3		NE-Facing section of stripped Area 3	NE
25	3		SE-Facing section of stripped Area 3	SE
26	3	037	Pre-ex of possible modern feature	S
27	3	037	Pre-ex of possible modern feature	W
28	3	037	Pre-ex of possible modern feature	S
29	3	035, 036	Pre-ex of crematory pit	W
30	3	035, 036	Pre-ex of crematory pit	S
31	3	037	SE-Facing section within slot of modern feature	SE
32	3	037	SE-Facing section within slot of modern feature	SE
33	3	035, 036	Working shot with in situ vessel 010	S
34	3	035, 036	Working shot with in situ vessel 010	S
35			Shot of pre-stripped area	SE
36	3	035, 036	S-Facing section of pit with in situ vessel 010	S
37	3	045, 046	Pre-ex of possible pit	W
38	3	045, 046	Pre-ex of possible pit	SW
39	3	040	Post-ex shot of SW-facing section of pit	SW
40	3	040	Post-ex shot of SW-facing section of pit	SW
41	3	035, 036	S-Facing section of pit with in situ vessel 010	S
42	3	035, 036	S-Facing section of pit with in situ vessel 010	S
43	3		Working shot of vessel 010 removal	S
44	3		Working shot of vessel 010 removal	S
45	3		Working shot of vessel 010 removal	S
46	3		Working shot of vessel 010 removal	S
47	3		Working shot of vessel 010 removal	S
48	3		Working shot of vessel 010 removal	S
49	3		Working shot of vessel 010 removal	N
50	3	045, 046	E-facing section of modern pit	E
51	3		Working shot of fencing put up to protect features	S
52	3		Working shot of fencing put up to protect features	E
53	3	044	Pre-ex of multiple pit features	E
54	3	042	Pre-ex of possible crematory pit	S

Frame	Area	Context No.	Subject	Taken from
55	3	042	S-Facing section of natural feature	S
56	3	044	Pre-ex of possible pit cluster	E
57	3	044	Post-ex of natural spread (two quadrants excavated)	E
58	3	048	Post-ex shot of pit	E
59	3	048	SE-Facing section of pit	SE
60	3	054	Pre-ex of ring ditch 054	SE
61	3	054	Working shot	NW
62	3	054	Pre-ex of ring ditch 054	W
63	3	054	Pre-ex of ring ditch 054	W
64	3	050	Pre-ex of pit	SW
65	3	052, 037	SE-Facing section of ring ditch (Slot B)	SE
66	3	052, 037	SE-Facing section of ring ditch (Slot B)	SE
67	3	054, 055, 002, 001	E-facing section of ring ditch 054 (Slot A)	E
68	3	054, 055, 002, 001	E-facing section of ring ditch 054 (Slot A)	E
69	3	054, 055, 002, 001	E-facing section of ring ditch 054 (Slot A)	E
70	3	050, 051	S-facing section of modern pit	S
71	3	056	Pre-ex of square pit	S
72	3	056, 057	Post-ex of square pit	S
73	3	068	Pre-ex of linear feature	E
74	3	058, 060	Pre-ex of pit and linear feature	S
75	3	060	S-Facing section of modern deposit	S
76	3	054, 055	S-Facing section of ring ditch 054 (Slot C)	S
77	3	054, 055	N-Facing section of ring ditch 054 (Slot C)	N
78	3	068	NW-Facing section of pit	NW
79	3	058, 059	S-Facing section of pit	S
80	3	064	Pre-ex of square feature	S
81	3	064, 065	S-facing section of pit	S
File no.	007			
1	3		I.D Shot	
2	3	054	E-facing section of ring ditch 054 (Slot G)	E
3	3	054	E-facing section of ring ditch 054 (Slot G)	E
4	3	066	Pre-ex of feature 066	S
5	3	054, 055, 070	N-facing section of ring ditch 054 (Slot D)	N
6	3	054, 055, 070	S-facing section of ring ditch 054 (Slot D)	S
7	3	066, 067	S-facing section of modern feature	S
8	3	054, 055, 072, 073, 070	S-facing section of ring ditch 054 (Slot D)	S
9	3	054, 055, 072, 073, 070	N-facing section of ring ditch 054 (Slot D)	N
10	3		E-facing section of ring ditch (Slot E)	E
11	3		W-facing section of ring ditch (Slot E)	W
12	3		Post-ex shot of features in Area 3	S
13	3		Post-ex shot of features in Area 3	NW
14	3		Post-ex shot of features in Area 3	NE
15	3		Post-ex shot of features in Area 3	SE
16	3		Post-ex shot of features in Area 3	E
17	3		Post-ex shot of features in Area 3	E

Appendix G: Discovery and Excavation Entry

LOCAL AUTHORITY:	Falkirk Council
PROJECT TITLE/SITE NAME:	Williamson Street, Falkirk
PROJECT CODE:	5194
PARISH:	Falkirk
NAME OF CONTRIBUTOR(S):	Maureen C. Kilpatrick and Eduardo Perez Fernandez
NAME OF ORGANISATION:	GUARD Archaeology Limited
TYPE(S) OF PROJECT:	Archaeological Monitoring and Excavation
NMRS NO(S):	n/a
SITE/MONUMENT TYPE(S):	n/a
SIGNIFICANT FINDS:	Roman Road and hollow way
NGR (2 letters, 6 figures)	NS 88994 79770 (centred on)
START DATE (this season)	28 th February 2019
END DATE (this season)	30 th April 2019
PREVIOUS WORK (incl. <i>DES</i> ref.)	Evaluation January 2019
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	<p>GUARD Archaeology Limited were commissioned to undertake archaeological mitigation works on a site proposed for residential development to the south-east of No. 1 Williamson Street, Falkirk. The archaeological mitigation works comprised an initial phase of trial trenching which revealed several features of archaeological interest including the remains of a possible metalled trackway and ditch containing Roman amphorae sherds.</p> <p>A further phase of archaeological mitigation was carried out revealing the Roman trackway and the partial remains of a ring ditch with early Bronze Age cremation urn.</p>
PROPOSED FUTURE WORK:	Post-excavation
SPONSOR OR FUNDING BODY:	JR Group
CAPTION(S) FOR ILLUSTRS:	None
ADDRESS OF MAIN CONTRIBUTOR:	54 Elderpark Workspace, 100 Elderpark Street, Glasgow, G51 3TR
EMAIL ADDRESS:	bob.will@guard-archaeology.co.uk
ARCHIVE LOCATION (intended/deposited)	Archive will be deposited with the NMRS

Appendix H: Written Scheme of Investigation**WILLIAMSON STREET, FALKIRK**

WRITTEN SCHEME OF INVESTIGATION- ADDENDUM

ARCHAEOLOGICAL MONITORING AND EXCAVATION

PROJECT 5194



Executive Summary

- 1.1 This Written Scheme of Investigation Addendum forms the archaeological method statement for the archaeological mitigation works required on lands to the south-east of No 1 Williamson Street, Falkirk to satisfy Condition 2 in relation to Planning Application P/18/0212/FUL. This document will require to be agreed by the Keeper of Archaeology & Local History of Falkirk Council (KA&LH hereafter), prior to the commencement of archaeological fieldwork.

Introduction

- 2.1 This Written Scheme of Investigation (WSI) Addendum sets out the methodology for the Stage 2 archaeological mitigation works required (Planning Ref: P/18/0212/FUL) in support of the development in accordance with the relevant archaeology guidance specified by KA&LH. Following consultation with KA&LH, and the developer, all ground works associated with the development will be archaeologically monitored to ensure that any archaeology that could be disturbed by the works, is fully recorded and excavated prior to the development proceeding.
- 2.2 This WSI Addendum outlines the programme of archaeological works that are needed to mitigate the effects of the development. It details the methodology to be employed in implementing the Stage 2 excavation works. The mitigation methodology to be employed during Stage 3 post excavation analysis and publication will be required on completion of all archaeological fieldwork. These Stage 3 works will be specified in a *Post-excavation Research Design (PERD)* which will accompany the excavation report. The PERD will be submitted to the client, then for the agreement of KA&LH, prior to the commencement of any archaeological post-excavation work. On confirmation that the developer has commissioned the agreed Stage 3 works, all necessary archaeological mitigation works for this development will be complete. All phases of work will be funded by the developer as required by the Planning Authority.

Site Location

- 3.1 The site is located approximately 350 m south-east of the centre of Falkirk, to the north of the B8080, and is a strip of land between Williamson Street and Burnhead Lane. a and Bo'Mains Road (NS 88994 79770 centred). The development area is surrounded by urban development in the form of residential and retail units with the most recent land use on site being parking.
- 3.2 The bedrock over the development area consists of Scottish Lower Coal Measures Formation Sedimentary Rock Cycles, Coal Measure Type. The superficial deposits over the entire area are Raised Marine Deposits, Devensian - Clay, Silt, Sand And Gravel Till, Devensian - Diamicton (British Geological Survey www.bgs.ac.uk accessed on 08/10/2018).

Archaeological Background

- 4.1 The proposed development lies immediately north of the line of the Antonine Wall World Heritage Site (WHS) Boundary, where the wall bends from a NW/SE orientation further south, to extend WNW at the south end of Williamson Street. The buffer zone for the WHS overlaps the south-west corner of the development area however, "in 1985 observations of a deep sewer-trench running N-S at the corner of Williamson Street and Arnot Street failed to reveal any trace of the Antonine ditch..." (L J F Keppie and J J Walker 1990; Canmore ID 107163).
- 4.2 The site lies immediately south of the Falkirk Town Centre Conservation Areas and lies approximately 300 m north-west from the edge of the Callendar Park Designed Landscape (GDL 00078). There has been an estate on the Callendar Park site since the twelfth century, with continuous development from that time, notably in the sixteenth, seventeenth, late- eighteenth and mid-nineteenth centuries. The mid-twentieth century marks a change to public park use and the most recent development phase.

- 4.3 Ordnance Survey Mapping from the nineteenth century shows a row of buildings extending along the eastern edge of the development area, and a separate building to the south-east, all fronting on to Burnhead Lane. By the early twentieth century an industrial bakery (Mathiesons- demolished approximately 10 years ago) is located in the northern area of the site with a discontinuous row of buildings, now with outbuildings and extensions to the west, again fronting onto Burnhead Lane; a building to the south-east of the row is noted as a hall at this time. The council archaeologist noted the potential for the remains of walls or ditches related to the original walled town of Falkirk in this area. The proposed evaluation trenches were orientated N/S to increase the potential to pick up any wall remains relating to the earlier structures on, or crossing the site.
- 4.4 The evaluation carried out by GUARD Archaeology in January 2019 revealed evidence of possible Roman and medieval features within the development site, including a gravel deposit (025) orientated parallel to the Antonine Wall (Blair 2019).

Aims, Objectives and Scope

- 5.1 The aims of the archaeological monitored topsoil strip, map and excavation are:
- To identify the presence or absence of archaeological deposits within the proposed area, and
 - To ensure that any surviving archaeological remains encountered during the monitoring of ground works are fully recorded and excavated prior to the development proceeding.
- 5.2 The objectives are therefore:
- To archaeologically monitor any ground works associated with the development, to include any foundations and service works,
 - To establish the presence or absence of archaeological deposits and to determine their character, date and extent if surviving,
 - To excavate and record any and all significant archaeological deposits and features within the ground work areas;
 - To submit a report to data structure level for agreement to KA&LH on completion of the archaeological fieldwork. The report will be accompanied by a PERD prepared in consultation with the developer and KA&LH setting out the scope of any further post-excavation works required.

Fieldwork Methodology

- 6.1 All work will be conducted in line with the following standards and guidance of the Chartered Institute for Archaeologists (CIfA), of which GUARD Archaeology is a Registered Organisation:
- Code of conduct (2014);
 - Standard and guidance for an archaeological watching brief (2014);
 - Standard and guidance for archaeological field excavation (2014);
 - Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives (2014).

Archaeological Monitoring and Excavation

- 6.2 All overburden material will be removed during ground works for the development will be machine excavated under archaeological supervision. The topsoil/overburden stripping will be excavated using a back acting machine equipped with flat (toothless) bucket under the constant supervision of a GUARD Archaeologist, who will act as supervisor and banksman. A toothed bucket may be used to remove upper concrete and/or aggregate layers.
- 6.3 The topsoil or overburden will be removed in spits to the first archaeological horizon or, where none was found, to the lowest desired working level. The exposed area will then be cleaned to identify

any archaeological features Any archaeological features encountered will be cleaned by hand by the on-site Archaeologist(s) to determine their character and extent.

- 6.4 Any significant archaeological features encountered will be dealt with by the on-site Archaeologists. If there is opportunity for preservation in situ for deposits exposed but out with the foundations of any proposed structures, this option should be explored. Where negative-cut features are encountered within the foundations of any proposed structures, or service cuts, they will be 100 % excavated to determine their significance, date and function. A full record of excavated features will be made using a single context recording system using pro forma sheets, drawings and photographs. All archaeological features will be photographed and recorded at an appropriate scale. Sections will be drawn at 1:10, and plans at 1:20. All features will be accurately surveyed using a sub-metre GPS and located within the National Grid.
- 6.6 All archaeological finds will be dealt with by the on-site Archaeologists. Finds and animal bone will be collected as bulk samples by context. Significant small finds will be three dimensionally located prior to collection. All finds will be processed to MAP2 type standards and subject to appropriate specialist assessment. If necessary, conservation of finds will be appraised to allow for specialist study.
- 6.7 All excavated feature fills and horizons will be sampled as appropriate, using bulk soil samples, for palaeo-environmental evidence.
- 6.8 A representative section will be recorded denoting depth of topsoil, any stratigraphy present and the nature of the soil. This information will be logged in the day book together with a sketch drawn to scale and a photographic record of deposits.
- 6.9 Should human remains be revealed by the excavation, the local police, the clients and KA&LH will be informed immediately. Any human remains will be accurately recorded, but left *in situ*, pending the agreement of the police, the client and KA&LH on an appropriate mitigation strategy.

Report Preparation and Contents

- 7.1 On completion of all fieldwork, a report detailing the results of the overall archaeological monitoring and excavation will be submitted to the client within four weeks and, subject to client approval, then submitted to KA&LH. The report will take the form of a Data Structure Report and will contain an analysis of the results of the fieldwork. The report will include a full descriptive text that will characterise the date and extent of any archaeological remains or deposits. It will also include plans at an appropriate scale showing the area subjected to monitored topsoil stripping, archaeological features and archiving lists of all finds, samples, field drawings and photographs.
- 7.2 If appropriate, the report will also include any addenda to this WSI for further archaeological post-excavation work, should significant and/or sensitive archaeology have been encountered, which would be dealt with after fieldwork is completed.
- 7.3 The report will include the following:
- executive summary;
 - a site location plan to at least 1:10,000 scale with at least an 8 -figure central grid reference;
 - OASIS reference number; unique site code;
 - planning application reference number;
 - contractor's details including date work carried out;
 - nature and extent of the proposed development, including developer/client details;
 - description of the site history, location and geology;
 - a site plan to a suitable scale and tied into the national grid so that features can be correctly orientated;
 - discussion of the results of fieldwork;

- context & feature descriptions;
 - features, number and class of artefacts, spot dating & scientific dating of significant finds presented in tabular format;
 - plans and section drawings of the features drawn at a suitable scale;
 - initial assessment of relevant finds/samples if appropriate;
 - recommendations regarding the need for, and scope of, any further archaeological work such as Post-excavation finds analysis, conservation & publication (Stage 3);
 - bibliography.
- 7.4 At least two copies of the report will be prepared for the client and a further digital PDF copy sent to KA&LH.
- 7.5 The final DSR is to be submitted to the client and then KA&LH within 4 weeks of the completion of fieldwork, any PERD within 3 months of agreement to the DSR and any final publication within 12 months of agreement to the PERD.
- 7.6 The report will be presented in an ordered state and contained within a protective cover/sleeve or bound in some fashion. The report will be page numbered and supplemented with section numbering for ease of reference.

Copyright

- 8.1 The copyright for any report resulting from the archaeological work undertaken as part of the project will be deemed the intellectual property of GUARD Archaeology Ltd.

Publication

- 9.1 A summary of the project results will be submitted to *Discovery and Excavation in Scotland*; a copy of this will be included in the Data Structure Report. A more formal publication of the results from the excavations and subsequent analyses is expected for this development given the results of the evaluation.

Archive

- 10.1 The archive for the project, including a copy of the report, will be submitted to the National Record of Historic Environment within three months of completion of all relevant work.
- 10.2 The online OASIS form at <http://ads.ahds.ac.uk/project/oasis/> will be completed within 3 months of completion of the work. Once the Data Structure Report has become a public document by submission to or incorporation into the SMR, KA&LH will validate the OASIS form thus placing the information into the public domain on the OASIS website.

Finds Disposal

- 11.1 The arrangement for the final disposal of any finds made in connection with the archaeological work, will be deposited in keeping with Scottish legal requirements as set out in the Treasure Trove Code of Practice published by the Scottish Government in January 2016. The laws relating to Treasure Trove and *Bona Vacantia* in Scotland apply to all finds where the original owner cannot be identified. This includes all material recovered during archaeological fieldwork. Accordingly, all assemblages recovered from archaeological fieldwork are claimed automatically by the Crown and must be reported to the Scottish Archaeological Finds Allocation Panel through its secretariat, the Treasure Trove Unit. In the event of the discovery of small finds, a filled-out copy of the form "Declaration of an Archaeological Assemblage from Fieldwork" and two copies of the pertinent Data Structure Report will be submitted to the Panel at the conclusion of the fieldwork. The Panel will then be responsible for recommending to the Queen's and Lord Treasurer's Remembrancer which museum

should be allocated the finds. All artefacts will be temporarily stored by GUARD until a decision has been made by the panel.

Personnel and Liaison

- 12.1 The GUARD team will comprise the following qualified and experienced GUARD archaeologists:
- Project Manager: Warren Bailie
 - Project Director (on-site Archaeologist): Maureen Kilpatrick
 - Finds and Environmental Support and Conservation: Aileen Maule
 - Illustrator: Gillian Sneddon
 - Quality Assurance: Dr John Atkinson
- 12.2 The GUARD Project Manager will be the point of contact for the archaeological works. A full CV for individuals concerned can be made available on request.

Monitoring

- 13.1 The proposed start date for the archaeological fieldwork is 28th February 2019. KA&LH will be informed of the site mobile phone number prior to the start date so that monitoring visits can be arranged. It is estimated that the works will take approximately 20 working days to complete, assuming minimal additional findings to those highlighted in the evaluation.

Health & Safety and Insurance

- 14.1 GUARD Archaeology Limited adheres to the guidelines and standards prescribed for archaeological fieldwork set down in the (now Chartered) Institute for Archaeologists approved Health and Safety in Field Archaeology document. It is standard GUARD Archaeology policy, prior to any fieldwork project commencing, to conduct a risk assessment and to prepare a project safety plan, the prescriptions of which will be strictly followed for the duration of all archaeological fieldwork. Copies of the resultant project safety plan and of GUARD Archaeology Limited's Fieldwork Safety Policy Statement may be viewed upon request.
- 14.2 GUARD Archaeology Ltd also possesses all necessary insurance cover, proofs of which may be supplied upon request.

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