

# Bristol Digital Futures Institute 65 Avon Street, St Philip's Marsh, Bristol

Archaeological Watching Brief



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Unit 9 City Business Park Easton Road Bristol BS5 0SP

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Fieldwork directed by	Cai Mason
Assisted by	Amy Pannell, Chiara Sabaton, Chris Hambleton, Luke Jervis, Ray Holt, and Victor Jerjotoma Ortin
Project management by	Kirsty Nichol
Document compiled by	Cai Mason
Graphics by	Amy Wright, Carrie May, and Kasandra Boguslawska

# Quality Assurance

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<ul> <li>cut. Looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 84 Ash pit on south-west side of retort bench 3059, looking north. Scale: 1 m (photograph by C. Hambleton).</li> <li>Figure 85 Truncated north-west end of retort bench (group 4080) in north-east range of the retort house, looking north-west. Scale: 0.5 m (photograph by L. Jervis).</li> <li>Figure 87 Ash pit on south-east side of retort bench (group 4080) in north-east range of the retort house, looking north-west. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 88 Flue system (group 4080) in north-east range of the retort house, looking north-west. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 89 Flue system (group 4080) in north-east range of the retort house, looking south-west. Note direction of flues in relation to blind arches in the adjacent wall Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 89 Sandstone sett yard surface (group 2047) and pavement (2031), iron kerb 2032, and stopcock 2035, looking north. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 90 Sandstone sett yard surfaces (group 2047 and 2049) and concrete petrol tank chamber 2037, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 91 Weighbridge 2019, looking north-east. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 92 Brick and concrete structure (1016) within the coal store, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 93 Concrete trough of cooker incinerator (group 3060) in the north-west range of the retort house, looking east. Scale: 1 m (photograph by C. Hambleton).</li> <li>Figure 94 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 95 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking south-east. Scale: 1 m (phot</li></ul>	Figure 83	Brick- and stone-lined drain (group 1088), showing oversized construction
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<ul> <li>(photograph by C. Hambleton).</li> <li>Figure 85 Truncated north-west end of retort bench 3059, looking south-west. Scale: 1 m (photograph by A. Pannell).</li> <li>Figure 86 Ash pit on south-east side of retort bench (group 4080) in north-east range of the retort house, looking north-west. Scale: 0.5 m (photograph by L. Jervis).</li> <li>Figure 87 Ash pit on south-east side of retort bench (group 4080) in north-east range of the retort house, looking north-west. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 88 File system (group 4080) in north-east range of the retort house, looking south-west. Note direction of flues in relation to blind arches in the adjacent wall Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 89 Sandstone sett yard surface (group 2047) and pavement (2031), iron kerb 2032, and stopcock 2035, looking north. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 90 Sandstone sett yard surfaces (group 2047 and 2049) and concrete petrol tank chamber 2037, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 91 Weighbridge 2019, looking north-east. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 92 Brick and concrete structure (1016) within the coal store, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 93 Concrete trough of cooker incinerator (group 3060) in the north-west range of the retort house, looking north-west. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 94 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 95 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 96 Underground concrete petrol tank (2037), brick and concrete ramp structure (group 2048) and associated re-laid sandstone sett</li></ul>	Figure 84	Ash pit on south-west side of retort bench 3059, looking north. Scale: 1 m
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<ul> <li>Figure 86 Ash pit on south-east side of retort bench (group 4080) in north-east range of the retort house, looking north-west. Scale: 0.5 m (photograph by L. Jervis).</li> <li>Figure 87 Ash pit on south-east side of retort bench (group 4080) in north-east range of the retort house, looking north-west. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 88 Flue system (group 4080) in north-east range of the retort house, looking south-west. Note direction of flues in relation to blind arches in the adjacent wall Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 89 Sandstone sett yard surface (group 2047) and pavement (2031), iron kerb 2032, and stopcock 2035, looking north. Scale: 1 m (photograph by A. Pannell).</li> <li>Figure 90 Sandstone sett yard surfaces (group 2047 and 2049) and concrete petrol tank chamber 2037, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 91 Weighbridge 2019, looking north-east. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 92 Brick and concrete structure (1016) within the coal store, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 93 Concrete trough of cooker incinerator (group 3060) in the north-west range of the retort house, looking north-west range of the retor house, looking north-west range of the retort house, looking north-west range of the retort house, looking north-west range of the retort house, looking north-west (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking north-west. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 96 Underground concrete petrol tank (2037), brick and concrete ramp structure (group 2048) and associated re</li></ul>	Figure 85	I runcated horth-west end of retort bench 3059, looking south-west. Scale:
<ul> <li>range of the retort house, looking north-west. Scale: 0.5 m (photograph by L. Jervis).</li> <li>Figure 87 Ash pit on south-east side of retort bench (group 4080) in north-east range of the retort house, looking north-west. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 88 Flue system (group 4080) in north-east range of the retort house, looking south-west. Note direction of flues in relation to blind arches in the adjacent wall Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 89 Sandstone sett yard surface (group 2047) and pavement (2031), iron kerb 2032, and stopcock 2035, looking north. Scale: 1 m (photograph by A. Pannell).</li> <li>Figure 90 Sandstone sett yard surfaces (group 2047 and 2049) and concrete petrol tank chamber 2037, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 91 Weighbridge 2019, looking north-east. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 92 Brick and concrete structure (1016) within the coal store, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 93 Concrete trough of cooker incinerator (group 3060) in the north-west range of the retort house, looking east. Scale: 1 m (photograph by C. Hambleton).</li> <li>Figure 94 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking north-west range of the retort house, looking south-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 95 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking south-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 96 Underground concrete petrol tank (2037), brick and concrete ramp structure (group 2048) and associated re-laid sandstone sett floor to the south-west of the retort house, looking north. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 97 Brick and concrete ramp structure (group 2048), looking south-east. Scale: 1 m (ph</li></ul>	Figure 86	Ash pit on south-east side of retort bench (group 4080) in north-east
<ul> <li>Figure 87 Ash pit on south-east side of retort bench (group 4080) in north-east range of the retort house, looking north-west. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 88 Flue system (group 4080) in north-east range of the retort house, looking south-west. Note direction of flues in relation to blind arches in the adjacent wall Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 89 Sandstone sett yard surface (group 2047) and pavement (2031), iron kerb 2032, and stopcock 2035, looking north. Scale: 1 m (photograph by A. Pannell).</li> <li>Figure 90 Sandstone sett yard surfaces (group 2047 and 2049) and concrete petrol tank chamber 2037, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 91 Weighbridge 2019, looking north-east. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 92 Brick and concrete structure (1016) within the coal store, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 93 Concrete trough of cooker incinerator (group 3060) in the north-west range of the retort house, looking east. Scale: 1 m (photograph by C. Hambleton).</li> <li>Figure 94 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking north-west range of the retort house, looking south-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 95 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking south-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 96 Underground concrete petrol tank (2037), brick and concrete ramp structure (group 2048) and associated re-laid sandstone sett floor to the south-west of the retort house, looking north. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 97 Brick and concrete ramp structure (group 2048), looking south-east. Scale: 1 m (photograph by C. Sabato).</li> </ul>		range of the retort house, looking north-west. Scale: 0.5 m (photograph by L. Jervis).
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<ul> <li>Figure 89 Sandstone sett yard surface (group 2047) and pavement (2031), iron kerb 2032, and stopcock 2035, looking north. Scale: 1 m (photograph by A. Pannell).</li> <li>Figure 90 Sandstone sett yard surfaces (group 2047 and 2049) and concrete petrol tank chamber 2037, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 91 Weighbridge 2019, looking north-east. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 92 Brick and concrete structure (1016) within the coal store, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 93 Concrete trough of cooker incinerator (group 3060) in the north-west range of the retort house, looking east. Scale: 1 m (photograph by C. Hambleton).</li> <li>Figure 94 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking north-west scale: 1 m (photograph by C. Sabato).</li> <li>Figure 95 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking south-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 96 Underground concrete petrol tank (2037), brick and concrete ramp structure (group 2048) and associated re-laid sandstone sett floor to the south-west of the retort house, looking north. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 97 Brick and concrete ramp structure (group 2048), looking south-east. Scale: 1 m (photograph by C. Sabato).</li> </ul>		south-west. Note direction of flues in relation to blind arches in the
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<ul> <li>Figure 90 Sandstone sett yard surfaces (group 2047 and 2049) and concrete petrol tank chamber 2037, looking north-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 91 Weighbridge 2019, looking north-east. Scale: 0.5 m (photograph by C. Sabato).</li> <li>Figure 92 Brick and concrete structure (1016) within the coal store, looking northeast. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 93 Concrete trough of cooker incinerator (group 3060) in the north-west range of the retort house, looking east. Scale: 1 m (photograph by C. Hambleton).</li> <li>Figure 94 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking north-west. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 95 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking north-west. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 96 Underground concrete petrol tank (2037), brick and concrete ramp structure (group 2048) and associated re-laid sandstone sett floor to the south-west of the retort house, looking north. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 97 Brick and concrete ramp structure (group 2048), looking south-east. Scale: 1 m (photograph by C. Sabato).</li> </ul>	- <b>J</b>	2032, and stopcock 2035, looking north. Scale: 1 m (photograph by A.
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<ul> <li>Figure 93 Concrete trough of cooker incinerator (group 3060) in the north-west range of the retort house, looking east. Scale: 1 m (photograph by C. Hambleton).</li> <li>Figure 94 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking north-west. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 95 Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking south-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 96 Underground concrete petrol tank (2037), brick and concrete ramp structure (group 2048) and associated re-laid sandstone sett floor to the south-west of the retort house, looking north. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 97 Brick and concrete ramp structure (group 2048), looking south-east. Scale: 1 m (photograph by C. Sabato).</li> </ul>	_	east. Scale: 1 m (photograph by C. Sabato).
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<ul> <li>Figure 94 Bhickwork at south-west end of cooker incinerator (group 3000) and brick floor (group 3055) in the north-west range of the retort house, looking north-west. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 95 Figure 96 Figure 96 Underground concrete petrol tank (2037), brick and concrete ramp structure (group 2048) and associated re-laid sandstone sett floor to the south-west of the retort house, looking north. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 97 Brick and concrete ramp structure (group 2048), looking south-east. Scale: 1 m (photograph by C. Sabato).</li> </ul>	Figure 9/	Rickwork at south-west and of cooker incinerator (group 3060) and brick
<ul> <li>Figure 95</li> <li>Figure 95</li> <li>Figure 96</li> <li>Figure 97</li> <li>Figure 97</li> <li>Figure 97</li> <li>Figure 96</li> <li>Figure 97</li> <li>Figure 97</li> <li>Figure 97</li> <li>Figure 96</li> <li>Figure 97</li> <li>Figu</li></ul>	rigule 54	floor (group 3055) in the north-west range of the retort house looking
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<ul> <li>Figure 96</li> <li>Figure 96</li> <li>Figure 97</li> <li>Figure 97</li> <li>Figure 97</li> <li>floor (group 3055) in the north-west range of the retort house, looking south-east. Scale: 1 m (photograph by C. Sabato).</li> <li>Underground concrete petrol tank (2037), brick and concrete ramp structure (group 2048) and associated re-laid sandstone sett floor to the south-west of the retort house, looking north. Scale: 1 m (photograph by C. Sabato).</li> <li>Figure 97</li> <li>Brick and concrete ramp structure (group 2048), looking south-east. Scale: 1 m (photograph by C. Sabato).</li> </ul>	Figure 95	Brickwork at south-west end of cooker incinerator (group 3060) and brick
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# Summary

Wessex Archaeology was commissioned by Fulkers Bailey Russell, on behalf of the University of Bristol, to undertake a watching brief during groundworks associated with the conversion of a former gasworks retort house and coal store for use as a university building known as the Bristol Digital Futures Institute. The monitored works covered 0.18 ha, centred on NGR 360087 172551, at 65 Avon Street, St Philips Marsh, Bristol.

Built in 1821, the Bristol Gas Light Company retort house and coal store is Bristol's oldest surviving gasworks building. The building is not statutorily designated, but in recognition of its value as a heritage asset, it was added to Bristol City Council's Local List in August 2020 (ID 532). The gasworks perimeter wall, which defines the north-eastern boundary of the site, is a Grade II listed structure (National Heritage List for England List Entry Number 1279549).

The retort house (a building where coal gas, also known as town gas, was made by destructive distillation of coal) was a horseshoe-shaped building set within a high walled yard. Other gasworks structures, including coke stores, stables, workshops, offices, gasholders, purifiers, scrubbers, and a meter house, were situated in the yard around the retort house: none of the latter structures are extant. In the mid-1850s, the inner yard of the retort house was roofed over for use as a coal store. The north-east and south-east ranges of the retort house were demolished in the early 1920s and the building was converted for use as a gas cooker workshop and pipe store. Gas production at the Avon Street works ceased in the late 1950s, and between 1961 and 2020 the building was used as a garage and car showroom.

The watching brief, which was undertaken between 19 October 2021 and 11 January 2023, uncovered extensive structural remains associated with 19th-century gas production and the later use of the building as a gas company store and workshop. This included the foundations of a brick and stone weighbridge, five gas retort benches, and demolished parts of the retort house and gasworks office; an extensive system of underground brick-lined flues; large cast iron gas pipes; brick, sandstone sett, fireclay slab, and concrete floor and yard surfaces; and the base of a large early 20th-century 'cooker incinerator'.

The finds assemblage included a collection of firebricks and fireclay mouldings from the gasworks retort ovens and flues, and a small collection of pottery, including some early 19th-century wasters.

#### Acknowledgements

Wessex Archaeology would like to thank Fulkers Bailey Russell, on behalf of the University of Bristol, for commissioning the archaeological watching brief, in particular Adam Staite. Wessex Archaeology is also grateful for the advice of Principal Historic Environment Officer, who monitored the project for Bristol City Council, and to Aztec Building Services, particularly Nathan Lynn and Simon Roberts, for their cooperation and help on site. We would also like to thank Maintain-A-Drain for permission to reproduce their survey of an underground flue that was uncovered during the groundworks.

# Bristol Digital Futures Institute 65 Avon Street, St Philip's Marsh Bristol

# Archaeological Watching Brief

# 1 INTRODUCTION

# 1.1 **Project and planning background**

- 1.1.1 Wessex Archaeology was commissioned Fulkers Bailey Russell (hereafter 'the client'), on behalf of the University of Bristol, to undertake an archaeological watching brief during groundworks associated with the conversion of a former gasworks retort house and coal store for use as a university building known as the Bristol Digital Futures Institute. The monitored works covered 0.18 ha, centred on NGR 360087 172551, at the Bristol Digital Futures Institute, 65 Avon Street, St Philips Marsh, Bristol (Fig. 1).
- 1.1.1 Built in 1821, the Bristol Gas Light Company retort house and coal store is Bristol's oldest surviving gasworks building. The building is not statutorily designated, but in recognition of its value as a heritage asset, it was added to Bristol City Council's (BCC) Local List in August 2020 (BCC 2020, 25; Local List ID 532). The gasworks perimeter wall, which defines the north-eastern boundary of the site, is Grade II listed structure (National Heritage List for England [NHLE] List Entry Number 1279549).
- 1.1.2 The archaeological work was carried out as a condition of planning permission, granted by Bristol City Council (ref. 21/02496/F). The watching brief forms part of a programme of archaeological works, which has included two heritage statements (Wessex Archaeology 2019; Dittrich Hudson Vasetti Architects 2021), a desk-based assessment (Wessex Archaeology 2020), and a historic building record (Wessex Archaeology 2022a).
- 1.1.3 The watching brief was undertaken in accordance with a written scheme of investigation (WSI) which detailed the aims, methodologies, and standards to be employed (Wessex Archaeology 2021a). The Principal Historic Environment Officer approved the WSI, on behalf of the Local Planning Authority (LPA), prior to fieldwork commencing. The watching brief was undertaken between the 19 October 2021 and 11 January 2023.

# 1.2 Scope of the report

1.2.1 The purpose of this report is to provide the results of the watching brief, to interpret the results within their local or regional context (or otherwise), and to assess their potential to address the aims outlined in the WSI, thereby making available information about the archaeological resource (a preservation by record).

# 1.3 Location, topography, and geology

1.3.1 The site was located at 65 Avon Street, Bristol, formerly the Bristol Gas Light Company retort house and coal store. The property is bounded by Avon Street to the south-west, part of a former Vauxhall car dealership to the north-west, a Wales and West Utilities gas distribution site to the south-east, and Gas Lane to the north-east.



- 1.3.2 The ground level within the building lie at approximately 9.1 m OD. External ground levels range between 8.75 m OD on Avon Street and 9.1 m OD in the yard adjacent to Gas Lane.
- 1.3.3 The underlying geology is mapped as Triassic Sandstone of the Redcliffe Sandstone Member, overlain by Pleistocene gravels of the Avon Formation and Holocene tidal flat deposit of the Wentlooge Formation (British Geological Survey 2021; Wilkinson *et al.* 2013, 24–8).
- 1.3.4 Geotechnical investigations along Silverthorne Lane (RSK 2019) have shown that solid geology lies at -4.57 m OD (13.7 m bgl). This is overlain by approximately 3 m of river terrace gravels (upper surface at 10.7 m bgl; -1.57 m OD), and 7 m of tidal flat deposits (upper surface at 5.5 m bgl; 3.63 m OD), which are in turn sealed by 5.5 m of anthropogenic made ground deposits of mid-18th-century or later date. The upper surface of tidal flat deposits in central Bristol are typically found at 7 m OD, which suggest that there has been significant truncation in this location: probably due to post-medieval clay extraction for brick and pot making.

# 2 ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

#### 2.1 Introduction

2.1.1 The archaeological and historical background is drawn from a previous desk-based assessment (DBA: Wessex Archaeology 2020) and heritage statement (Dittrich Hudson Vasetti Architects 2021), a summary of which is presented below, with relevant entry numbers from Bristol City Historic Environment Record (BHER), and the National Heritage List for England (NHLE) included. Additional sources of information are referenced, as appropriate.

#### 2.2 Previous investigations related to the development

#### Heritage statement (2019)

2.2.1 In December 2019, Wessex Archaeology (2019) produced a heritage statement, which assessed a 2.6 ha area of land, comprising three plots adjoining Avon Street, Silverthorne Lane, and Gas Lane, which included the former retort house and coal store.

#### Desk-based assessment (2020)

2.2.2 In November 2020, Wessex Archaeology (2020) produced a DBA of the land detailed in the preceding heritage statement.

#### Heritage statement (2021)

2.2.3 In April 2021, Dittrich Hudson Vasetti Architects (2021) published an additional heritage statement, focussed specifically on the former retort house and coal store.

#### Historic building record (2022)

2.2.4 In 2022, Wessex Archaeology (2022) created an historic building record (HBR) of the former retort house and coal store.

#### 2.3 Archaeological and historical context

#### Prehistoric – medieval (pre-AD 1500)

2.3.1 The site is situated in a low lying and historically marshy and flood-prone area, and there is no evidence for anything other than seasonal agricultural activity prior to the post-medieval period.

2.3.2 The City of Bristol is thought to have originated as an Anglo-Saxon 'burg' (fortified settlement), named *Brycgstow* (place of the bridge), in the 9th or 10th century AD. By the early 11th century, the settlement had become an important trading centre with a mint that produced silver pennies stamped with its name (Wessex Archaeology 2021b, 3). Development of the area to the east of *Brycgstow* began with the construction of Bristol Castle in AD 1088. Further development to the east of the castle, an area known as *La Feria* or *La Markette*, is recorded in 12th/13th-century documents. *La Feria* appears to have been a planned settlement, with narrow burgage plots arranged around a wide street, referred to 'Old Market' or 'Old Market Street' form the 15th-century onwards.

# Post-medieval and early 19th century (AD 1500–1820)

- 2.3.3 During the post-medieval period, the area to the south of Old Market, known as St Philip's Marsh, became significant centre of industrialisation. Early industrialisation, which included brass/copper works, sugar refining, tobacco processing, and alcohol production, was closely linked to Bristol's role in the transatlantic slave trade. During the 18th and 19th centuries, pottery and glass production, along with coal mining, metal working, chemical production and engineering became increasingly important industries.
- 2.3.4 Development of St Philip's Marsh began with the establishment of a series of industrial sites along Avon Street and the north bank of the River Avon in the late 17th century. These included glass, brick, and lead works; potteries; and lime kilns. Roque's 1742 plan of Bristol shows that much of the surrounding area was quarried for clay used for brick and pot making.
- 2.3.5 A late 18th-century plan of area (not illustrated) shows several of industrial works along the west side of Avon Street and a large dock immediately to the south of what is now the Feeder Canal (Chatwin 1976, 17, fig. 1). Avon Street and Marsh Lane (later known as Cook's Lane; now Gas Lane) existed by this date. The plan also shows that the development site was known as Day's Field or Day's Ground, named after its owner John Day. The map shows a few small buildings along the Avon Street frontage, but most of the site remained undeveloped at this date.
- 2.3.6 In 1804–9, the local topography was heavily modified to allow major improvements to the city's port facilities. As part of these works, the natural course of the River Avon was dammed at the western end of the city, and the river flow was diverted into an artificial channel, known as the New Cut. The old course of the river became the Floating Harbour, the level of which was maintained by channelling water from a weir at Netham via the Feeder Canal. Construction of the Feeder Canal also facilitated the transport of goods and materials to and from the centre of Bristol, which contributed to the burgeoning industrial economy in St Phillip's Marsh (Wessex Archaeology 2020, 8).

#### Modern (1821–1949)

2.3.7 The first significant development within the site was the construction of Bristol's second coal gasworks in 1821.

#### Origins of the coal gas industry

2.3.8 The process of manufacturing coal gas, also known as town gas, was developed in the 1790s by the engineer William Murdoch. The basic process involved heating coal in sealed oxygen-poor chambers, known as retorts, to drive off flammable gasses (mostly hydrogen, methane, carbon monoxide, and ethylene): a process known as destructive distillation. The resultant gasses were then cooled in a condenser and purified. The gas was then stored in gasholders (also known as gasometers), prior to distribution via a

network of underground pipes. After the gas had been driven off, the red-hot coal from the retorts was raked out and quenched with water to halt combustion. The resultant material, known as coke, is a useful fuel that burns at a higher temperature than raw coal.

- 2.3.9 Murdock was an employee of the steam engine manufacturers Boulton & Watt, and in 1803 he installed the first large scale system of gaslights at their Soho Foundry in Smethwick. Raw coal gas contains a variety of unwanted chemicals, including sulphur, ammonia, and heavy hydrocarbons (coal tar), which must be removed before the gas can be used as a fuel. Although some of the tar and ammonia naturally precipitated out during cooling, many contaminants remained. During the period 1805-12, Murdoch's colleague, Samuel Clegg, developed a method of purification which involved bubbling raw gas through a water trough (known as a hydraulic main) and a tank of lime water: a method was known as the 'wet lime process'. Purification produced several by-products, principally ammoniacal liquor, coal tar, and spent lime. The latter was a foul-smelling substance known as 'Blue Billy', which is a form of ferric ferrocyanide, commonly known as Prussian blue. Coal tar is a complex mixture of hydrocarbons, which include naphtha, creosote, and pitch, as well as more volatile substances such as benzine, many of which are carcinogenic. As well as being a pollutant, coal tar has a huge range of industrial, medicinal and construction uses.
- 2.3.10 In 1808, the German engineer Friedrich Albrecht Winzer (Anglicized to Frederick Albert Winsor), installed the first public streetlights in Pall Mall, and promoted the idea of district gasworks that could provide lighting over a wide area. The company he founded, the *London and Westminster Gas Light and Coke Company*, built their first gasworks in Westminster in 1812. Samuel Clegg, by then the country's most renown gas manufacturing expert, was appointed as chief engineer.
- 2.3.11 The Westminster gasworks was a success, and entrepreneurs in other British cities were keen establish their own works. Bristol was amongst the first to do so, and in 1815 the city's first gas company, the *Bristol Gas Light Company* was established by a Huguenot silk dyer named John Breillat. Technical advice and specifications for the gas making apparatus was provided Samuel Clegg.

#### Bristol Gas Light Company 1817-53

- 2.3.12 Bristol's first gasworks, built on a riverside site in Temple Back, opened in May 1817. The gasworks was, by later standards, small, but its gasholder, known as 'Aladdin', was then the largest in the world. Archaeological work on the site of the Temple Back gasworks showed that unlike later circular gasholders, Aladdin was sub-rectangular structure with bowed sides. Foundations of the 1817 gasholder are now preserved beneath modern office buildings (Bristol and Region Archaeological Services [BaRAS] 2000, 3, figs 19, plate 18; BaRAS 2004, 5, figs 3, 10, plates 9–10).
- 2.3.13 There was a huge demand for gas lighting in Bristol, and by 1819 it had become obvious that the Temple Back site was too small, so the company started looking for a new premises. They eventually settled on a large plot, known as Day's Field, on the east side of Avon Street, in St Philip's Marsh. The foundation stone of the new gasworks was laid on 6 March 1821, and within three months gas production was already underway. Two months later, the Avon Street gasworks was producing enough gas to supply the city, and a decision was taken to close the Temple Back gasworks and sell the plot (Nabb 1987, 12).
- 2.3.14 The earliest surviving depiction of the site is Hugh O'Neill's watercolor of the *New Gas Works* (Fig. 2), viewed from the south, during its construction. The painting shows a grand



pedimented building (gasworks offices and chief engineer's house) fronting Avon Street, with a large retort house that contained the gas-making apparatus to the east. The latter is partially obscured by a high wall close to the Silverthorne Lane frontage. The retort house, which is depicted as a horseshoe-shaped building on Plumley and Ashmead's plan of 1828 (Fig. 3), had louvred clerestory roofs and a very large chimney at the north-east end of the building. The 1828 plan shows that the entrance to the works was via a covered way under the gasworks offices. There were further ancillary buildings, included a coke store, stables, and workshops, to the north of the offices and retort house. Gas was stored in a row of five circular gasholders along the southern edge of the gasworks. The 1847 tithe map of St Philip and St Jacob (Fig. 4), shows the same layout as the 1828 plan. The accompanying apportionment identifies two long buildings (labelled plot 1101) fronting onto Silverthorne Lane as 'premises adjoining gas works', owned, and occupied by *Leonard Jordan & Co.* Pigot's directory of 1842 lists Jones, Leonard, Jordan & Co. of Avon Street as an aerated water manufacturer (West Country Bottles 2022).

#### Bristol United Gaslight Company 1853–91

- 2.3.15 In 1853, the *Bristol Gas Light Company* merged with the *Bristol and Clifton Gaslight Company* to form the *Bristol United Gaslight Company* (Nabb 1987, 18–19).
- 2.3.16 Ashmead's plan of 1854 (Fig. 5) shows that by this date, the gasworks had expanded eastwards, and a larger circular gasholder had been erected to the east of the retort house. The plan also shows a small structure to the east of the retort house, and another structure to the east of the new gasholder. A detailed plan of the gasworks, dating from 1857 (Fig. 6), identifies the structure to the east of the gasholder as a bank of purifiers; the structure to the east of the retort house is labelled 'gas meter'. The plan also shows that the yard between the retort house ranges, labelled 'coal store', had been roofed over by this date. The 1857 plan also shows narrow coal stores abutting the north-west and southeast sides of the retort house, and a similar narrow room abutting the north-east side of the retort house. The 1857 plan shows that the north-west and south-east ranges of the retort house each contained four retort benches (rows of ovens that heated the retorts), all but one of which were aligned north-west/south-east. Elsewhere in the gasworks, the 1857 plan shows additional purifiers, three circular scrubber towers (for purifying gas), a circular well, and three large rectangular tar tanks. A long building fronting Silverthorne Lane (formerly occupied by Leonard Jordan & Co) is labelled 'Gas Company's land occupied by Dr Rogers'. The plan also shows a small rectangular structure in the main entrance: later plans identify this as a weighbridge.
- 2.3.17 An 1860 plan (Fig. 7) shows several major alterations to the gasworks. These include the removal of the meter house, scrubbers, purifiers, tar tanks, and the five 1820s gasholders. In their place, there was a new purifier house and four walled yards. The northern two yards were used for storing refuse, tar, and ammonia. The southern yards contained two condensers, three scrubbers, and a group of small unlabelled buildings. The latter buildings are identified on an 1895 plan (Fig. 10) as a pump house and exhauster house. The 1860 plan also shows two additional two retort benches in the formerly empty northeast range of the retort house, and a new retort bench at the south-western end of the north-west range of the retort house. A large new gasholder had also been erected in the east corner of the gasworks.
- 2.3.18 Cartographic evidence (Figs 3–7) suggests that most of the northern and eastern parts of the gasworks perimeter wall (NHLE 1279549) was constructed between 1847 and 1854. The Silverthorne Lane frontage was probably built between 1857 and 1860, though it possible that there may be earlier and later fabric within both the Gas Lane and Silverthorne Lane sections of the wall.



- 2.3.19 In 1860, three adjoining retort houses were erected on a new site on the west side of Avon Street (*Western Daily Press*, 29 July 1908, 3). This structure, now 74–78 Avon Street, in an extant Grade II listed building (NHLE 1201975).
- 2.3.20 Ashmead's plan of 1874 (Fig. 8) shows continued expansion of the gasworks: an additional large gasholder had been added between the two 1850s gasholders; and a new building, identified on later plans as a meter house, had been built to the south-east of the gasworks offices. The gasworks had also expanded onto a new site between Silverthorne Lane and the Feeder Canal: this plot contained a purifier house, five circular scrubber towers, a pump house, and engine exhauster house.
- 2.3.21 In 1879, a new gasworks was established on a 34-acre site in Stapleton. This works eventually become the largest gasworks in Bristol but did not exceed the manufacturing capacity of the Avon Street works until after 1889 (Nabb 1987, 26).
- 2.3.22 The 1884 Ordnance Survey 1:500 Town Plan (Fig. 9) shows essentially the same layout as the 1874 plan, but with more detail and a few minor changes. Notably, there were 11 small rectangular structures abutting the outer edge of the retort house: whilst these may potentially have been buttresses, a comparison with an early 1920s aerial photograph (Fig. 13) suggest that these might have been chimneys for the retorts. Elsewhere within gasworks, the plan shows additional buildings, including a circular brick kiln to the south of the retort house, and a large additional purifier house to the south of Silverthorne Lane.

#### Bristol Gas Company 1891–1949

- 2.3.23 Gas companies were originally founded to supply gas for lighting, but from the 1830s onwards, new appliances such as gas-fired cookers, water heaters, and other contraptions became available, and by the end century, gas had a wide variety of domestic, industrial, and commercial applications. To reflect the more varied use of their product, the *Bristol United Gaslight Company* was renamed as the *Bristol Gas Company* in 1891 (Nabb 1987, 30).
- 2.3.24 On 16 July 1892, Bristol was hit by a major thunderstorm, during which the south-eastern range of the 1821 retort house sustained serious damage from a lightning strike. A report of the incident (*Bristol Times and Mirror* 18 July 1892, 5), includes a detailed description of the building and the damage it sustained:

The older building on the east side of the street consists of a very large central shed, containing thousands of tons of coal, and a retort house extending round three sides outside the central building. This outer building contains about 254 retorts arranged like rounds in a ladder. The retort house, the walls of which are massive and solid, had an iron roof covered with tiles and slates. Although the roof was 60 or 70 years old, it was well constructed, and was overhauled some years ago, when necessary repairs were done, and strength added where required. Of the 254 retorts, 40 on the Marsh side were in action during Saturday night, and nine men were attending them. About one o'clock yesterday morning, during the storm, accompanied by thunder and lightning, one of the men heard a great noise on the city side of the building and gave warning to his companions, who ran out of the retort-house towards the river just in time to escape being crushed by the falling roof. [...]. The fallen roof, held together by the iron rods, presented much the appearance of a switchback railway.

2.3.25 Goad's fire insurance plan of 1895 (Fig. 10) shows essentially the same layout as the 1884 plan, with the addition of a few small buildings, labelled 'valve house', exhauster



house', 'governor house' and 'meter' in the yard to the south and east of the 1821 retort house.

- 2.3.26 In 1901, an additional two storeys were added to the 1860 retort houses on the west side of Avon Street to allow for the installation of a bank of inclined retorts. These retorts were loaded using an elevator and hopper. After the gas had been extracted, a hatch was opened to allow the hot coal to drop out onto a conveyor, where it was quenched to produce coke. This was then removed to a large hopper for storage prior to sale (Nabb 1987, 30; *Western Daily Press*, 29 July 1908, 3). The hand-charged retorts in the 1821 retort house are likely to have become redundant soon after the inclined retorts became operational.
- 2.3.27 An early 1920s aerial photograph of the Temple Meads area (Fig. 13) shows part of the Avon Street gasworks in the background. The 1821 retort house appears to have been intact when the photograph was taken, but later aerial photographs, taken in 1926 (Fig. 14; Historic England 2022a), show that the north-east and south-east ranges of the retort house had been demolished by this date. The extant north-east wall of the 1821 retort house was built when the north-east range was demolished.
- 2.3.28 A detailed 1933 plan of the Avon Street gasworks (Fig. 11) shows that by this date, the 1850s coal store had been converted for use as a cooker and mains pipe store. The surviving north-west range of the 1821 retort house was used as a workshop and store that contained a 'cooker incinerator'. The function of this piece of equipment is uncertain, but it may have been used to clean parts during the servicing/refurbishment of gas cookers. The 1933 plan shows two new structures abutting the west corner of the retort house: these are labelled 'oil store' and 'underground petrol tank'. New structures are also depicted on the site of the demolished south-east range of the retort house: these are identified as 'benzole plant' and 'dry gas plant'. Elsewhere within the gasworks, various new pieces of equipment and buildings are shown. These include CWG (carburettor water gas) plant and purifiers, water softening plant, exhausters, boosters, boilers, and oil tanks. Interestingly, three of the five demolished 1820s gasholders are depicted as sub-surface structures: one of these is labelled 'liquor tank'; the others are sited close to tar separating equipment and may have been used to store tar oil. The plan also shows that the chief engineer's house had been converted into a laboratory, and that the coke store in the west corner of the site was being used as a stable.
- 2.3.29 During World War 2, the stables and outbuildings of the Avon Street gasworks were damaged by incendiary bombs, and a high explosive bomb landed in the coal yard. Fortunately, the latter failed to detonate (Nabb 1987, 44–45).

#### Post-1949

#### The British gas industry

- 2.3.30 On the 30 April 1949, Bristol Gas Company, along with all other private gas companies, were nationalised (Nabb 1987, 47). The Bristol area was placed under the jurisdiction of one of the 12 newly formed area gas boards, known as the *South Western Gas Board*.
- 2.3.31 In 1966, there was a national switch from coal gas to natural gas: the switchover took several years to complete, but by 1976, the South Western Gas Board had fully transitioned to natural gas (Alderwick 2019, 6).
- 2.3.32 Following the passing of the Gas Act 1972, the British gas industry was reorganised, and the area gas boards became regions of the *British Gas Corporation*.



- 2.3.33 In 1986, Margaret Thatcher's Conservative government transferred ownership of the UK gas industry to the privately-owned *British Gas plc*. This company subsequently divested its gas sales, trading, retail, and some gas production, to *Centrica*, and was renamed as *BG Group plc*.
- 2.3.34 In 2000, BG Group plc demerged its UK gas transmission business to form the *Lattice Group*, which subsequently merged with *National Grid plc* to form *National Grid Transco* in 2002.
- 2.3.35 In 2004, National Grid Transco sold its four regional gas distribution networks: the Welsh and south-west English regions were sold to a new consortium known as *Wales and West Utilities*.

#### The Avon Street gasworks

- 2.3.36 A 1951 plan (Fig. 12) of the Avon Street gasworks shows essentially the same layout and use of space as the 1933 plan. The only significant change was the decommissioning of one of the three remaining retort houses at 74–78 Avon Street. The other two were decommissioned *c*. 1952–8.
- 2.3.37 In 1959, the former retort houses at 74–78 Avon Street were reduced in height and converted for use by the *Marble Mosaic Company*, who were based there until 1983. The building was then leased to a car spares business. In 1996, the building was converted for use as a skatepark named *Motion*, which subsequently became a music venue and nightclub of the same name (Anon 2021).
- 2.3.38 By 1961, the former coal store and retort house at Avon Street had been converted for use as a vehicle garage. The former gasworks offices, meter house and the *c*. 1847–54 gasholder were all demolished *c*. 1963: the resulting rubble was used to infill the redundant gasholder tank.
- 2.3.39 Between 1961 and 1979, a series of planning applications were granted for the construction of garage buildings and offices around the former retort house and coal store. A 1966 aerial photograph (Historic England 2022b) show that large portal framed building that abutted the north-west side of the retort house was constructed before this date.
- 2.3.40 The property was acquired by *Vauxhall c.* 1997, and a new steel-framed single-storey vehicle body shop and salesroom was added to the south-west for the former retort house and coal store. A concrete mezzanine floor at south-west end of the retort house was probably constructed at this date.
- 2.3.41 Remediation works by Wales and West Utilities in 2016 uncovered a large stone plaque, engraved *BRISTOL GAS LIGHT COMPANY INCORPORATED 25 MARCH 1819*, from the infilled *c*. 1847–54 gasholder tank. This plaque was originally mounted on the pediment of the gasworks office building.
- 2.3.42 Drive Vauxhall vacated the site in 2020. The two surviving gasholders in the south-east corner of the former gasworks were decommissioned in 2021.





#### 3 AIMS AND OBJECTIVES

#### 3.1 Aims

- 3.1.1 The aims of the watching brief, as stated in the WSI (Wessex Archaeology 2021a) and as defined in the CIfA *Standard and guidance for an archaeological watching brief* (CIfA 2014a), were to:
  - allow, within the resources available, the preservation by record of archaeological deposits, the presence and nature of which could not be established (or established with sufficient accuracy) in advance of the development or other works;
  - provide an opportunity, if needed, for the watching archaeologist to signal to all interested parties, before the destruction of the material in question, that an archaeological find has been made for which the resources allocated to the watching brief itself are not sufficient to support treatment to a satisfactory and proper standard; and
  - guide, not replace, any requirement for contingent excavation or preservation of possible deposits.

#### 3.2 Objectives

- 3.2.1 In order to achieve the above aims, the objectives of the watching brief, also defined in the WSI (Wessex Archaeology 2021a), were to:
  - determine the presence or absence of archaeological features, deposits, structures, artefacts or ecofacts within the specified works area;
  - record and establish, within the constraints of the works, the extent, character, date, condition and quality of any surviving archaeological remains (a preservation by record);
  - place any identified archaeological remains within a wider historical and archaeological context in order to assess their significance; and
  - make available information about the archaeological resource on the site by preparing a report on the results of the watching brief.

### 4 METHODS

#### 4.1 Introduction

4.1.1 All works were undertaken in accordance with the detailed methodology set out within the WSI (Wessex Archaeology 2021a) and in general compliance with the standards outlined in CIfA guidance (CIfA 2014a). The methods employed are summarised below.

#### 4.2 Fieldwork methods

#### General

4.2.1 The watching archaeologist monitored all mechanical excavations within the specified area. Where necessary, the surfaces of uncovered archaeological deposits were cleaned by hand to aid visual definition. A sample of archaeological features and deposits was hand-excavated, sufficient to address the aims of the watching brief.



4.2.2 Spoil from machine stripping and hand-excavated archaeological deposits was visually scanned for the purposes of finds retrieval. Artefacts were collected and bagged by context. All artefacts from excavated contexts were retained.

### Recording

- 4.2.3 All exposed archaeological deposits and features were recorded using Wessex Archaeology's pro forma recording system. A complete record of excavated features and deposits was made, including plans and sections drawn to appropriate scales (1:20 for plans and 1:10 for sections) and tied to the Ordnance Survey (OS) National Grid.
- 4.2.4 A Leica GNSS connected to Leica's SmartNet service surveyed the location of archaeological features. All survey data is recorded in OS National Grid coordinates and heights above OD (Newlyn), as defined by OSTN15and OSGM15, with a three-dimensional accuracy of at least 50 mm.
- 4.2.5 A full photographic record was made using digital cameras equipped with an image sensor of not less than 10 megapixels. Digital images have been subject to managed quality control and curation processes, which has embedded appropriate metadata within the image and will ensure long term accessibility of the image set.
- 4.2.6 A detailed record of the exposed structures was made using photogrammetry. The survey was checked, and minor inaccuracies corrected, to match the detailed photogrammetric models.

#### 4.3 Finds and environmental strategies

4.3.1 Strategies for the recovery, processing and assessment of finds and environmental samples were in line with those detailed in the WSI (Wessex Archaeology 2021a). The treatment of artefacts and environmental remains was in general accordance with: *Guidance for the collection, documentation, conservation and research of archaeological materials* (ClfA 2014b), *Environmental Archaeology: A Guide to the Theory and Practice of Methods, from Sampling and Recovery to Post-excavation* (English Heritage 2011) and ClfA's *Toolkit for Specialist Reporting* (Type 1: Description).

#### 4.4 Monitoring

4.4.1 The Principal Historic Environment Officer monitored the watching brief on behalf of the LPA. Any variations to the WSI, where required to better address the project aims, were agreed in advance with the client and the Principal Historic Environment Officer.

#### 5 STRATIGRAPHIC EVIDENCE

### 5.1 Introduction

- 5.1.1 The watching brief revealed extensive structural and other remains forming part of the Bristol Gas Light Company's Avon Street gasworks (Figs 15–29). The gasworks, which was constructed in 1821, contained a gas manufacturing building known as a retort house, and ancillary structures including offices, workshops, stables, coal stores, and gasholders. The gasworks was modified throughout the 19th and early 20th centuries, though gas production ceased by the mid-1920s. The building was then used as a gas company workshop and store until it was converted for use as a garage *c*. 1961.
- 5.1.2 The upstanding parts of the building (Figs 30–5), which comprise the north-west range of the retort house, and an adjoining 1850s coal store, were recorded during a historic building survey (Wessex Archaeology 2022a).



- 5.1.3 In this report, 'retort house' refers to the entirety of the horseshoe-shaped building built in 1821. The surviving part of this building is referred to as the 'north-west range of the retort house'. Where relevant, upstanding, and demolished parts of the gasworks are referenced to provide a context for the below ground remains.
- 5.1.4 Where possible, structural remains of the gasworks have been assigned to one of four broad phases that correspond with the tenure of the Bristol Gas Light Company (1821–53), Bristol United Gaslight Company (1853–91), Bristol Gas Company (1891–1949), and post-nationalisation (1949–2021). Some features, particularly the large external iron gas pipes, can only be broadly dated to the 19th or early 20th centuries.

#### 5.2 Soil sequence and natural deposits

- 5.2.1 Natural alluvial deposits of brown silty clay were uncovered it two locations: a deep service trench adjacent to Gas Lane (Fig. 36), and a pile clearance pit towards the south-west end of the coal store. The upper surface of the alluvium (4078) was recorded at 7.28 m OD (1.8 m bgl) next to Gas Lane and was briefly exposed at 7 m OD (2 m bgl) in the coal store.
- 5.2.2 The alluvium (4078) at the north-eastern end of the site was capped by a 0.1 m thick buried topsoil horizon (4077), which was overlain by 1.3 m of made ground (4076). Similar made ground deposits (group 1091, 2005 and 5003), up to 1.4 m thick, were recorded throughout the site. The made ground comprised a mixture of dark red and black sand containing brick and stone rubble, slag, clinker, ash, pottery wasters, and glass working waste. These deposits are interpreted as ground raising dumps associated with the construction of the gasworks in 1821. Within the coal store, the made ground abutted the foundations of the retort house, indicating that this material was dumped after the footings had been built. The made ground was overlain by structural remains and deposits associated with the development of the gasworks in the 19th and 20th centuries.

#### 5.3 Bristol Gas Light Company 1821–53

#### Gasworks office and entrance

- 5.3.1 The original entrance to the gasworks was via a covered way below a nine-bay, threestorey, Neo-Classical pedimented office building. The covered way contained a large arched vehicle passage, flanked by two arched pedestrian walkways. The gasworks office was demolished *c*. 1963.
- 5.3.2 Remains of the gasworks office comprised a series of sandstone rubble footings, all bonded with grey lime mortar (group 2046; Figs 16, and 38–9). This group of structures included foundations of the building's Avon Street frontage (2027; Figs 16 and 38), which was 0.47 m wide; and the 0.85 m wide footings (2039; Fig. 16) that defined the south-east side of the covered way. A parallel brick wall foundation (2025 and 2040; Figs 16 and 39) would have supported a row of piers that separated the pedestrian walkway from the vehicle passage.
- 5.3.3 The only other remains of the gasworks office was a short stretch of curving foundation (2030; Fig. 16) that defined the north corner of the building. Foundation 2030 was abutted by a sandstone sett pavement (2031; Figs 16 and 89), which was probably laid during a reconfiguration of the gasworks in the late 1850s.

#### Retort house and coal stores

5.3.4 The Bristol Gas Light Company retort house (group 1083; Figs 16–17 and 30–5) was a large horseshoe-shaped building, built in 1821 to house the primary gas making

apparatus, namely the gas retort benches. These structures were housed in the southeast and north-west ranges of the building. Secondary purification processes may initially have been carried out in the north-east range of the building. The retort house originally measured approximately 69 m north-east to south-west by 60 m north-west to south-east. The building's external walls were approximately 7 m high. At the north-east end of the building, there was a tiered, 5.6 x 2.65 m wide and 30 m high, masonry chimney, which was linked to the retort benches via a system of underground brick flues. The building was reduced to its current size following the demolition of the south-east and north-east ranges in the 1920s. The surviving parts of the 1821 retort house comprise: the north-west range; the south-west wall of the north-east range; and the north-west wall of the south-east range. The chimney is also extant, though now reduced to approximately 13 m in height (Figs 46-7). The retort house was originally abutted by single storey, 3 m wide, lean-to coal stores that ran around all sides of the building apart from the south-west elevation. This arrangement was probably retained until the mid-1850s, but by 1857 the yard between the north-west, north-east, and south-east ranges of the retort house had been roofed over to provide a much larger coal store. The south-west gable of the extant coal store is contemporary with the mid-1850s roof.

- 5.3.5 The retort house is constructed of random coursed sandstone rubble bonded with pinkish brown and pale grey lime mortar. The walls are pierced by numerous arched openings: cart-width doorways on the ground floor, interspersed with tall narrow openings topped with firebrick arches. Above these, there are rows of unglazed (now blocked) round arched windows. There are also various inserted doorways at ground level, all of which are 20th-century additions.
- 5.3.6 The foundations of the retort house were over 2 m deep. It is unknown if the lower parts of the foundations were constructed in trenches, or if they were built directly on the underlying alluvium. Given the size of the retort house, and the soft nature of the underlying deposits, it is possible that the building is founded on timber piles, though there is no evidence to confirm or refute this suggestion. Remains of the original lean-to coal stores were recorded in the coal store (group 1085; Figs 16, 17, and 44–6) and rear yard (4040; Figs 17, and 48–9).
- 5.3.7 The foundations of the retort house (group 1083; Figs 16–17, 40–1, and 54) and lean-to coal stores (group 1085; Figs 16–17 and 42–6) were abutted by a 1.4 m thick ground raising deposit (group 1091). The upper surface of this deposit, which comprised a compacted surface of crushed clinker, was recorded at 8.4 m OD (0.6 m bgl): this is interpreted as the floor of the original gasworks yard. Within the north-west range of the retort house, there was a similar ground raising deposit (4025), which also abutted the foundations of the building.
- 5.3.8 The foundations of the lean-to coal stores (group 1085; Figs 16–17 and 42–6) were 0.6 m wide and 0.8 m deep. The height and angle of the lean-to coal store roof was evident from a line of angled coping stones on the sides of the coal store chimney (Figs 45–6). A course of coping stones with the remnants of lead flashing below, were also evident to the sides of the chimney and along the inner south-east and north-west elevations of the coal store.
- 5.3.9 There was an identical lean-to structure (4040; Figs 17 and 48–9) on the north-east side of the former north-east range of the retort house. This part of the building was paved with a mixture of bricks and stone slabs (4042). The surface of the floor was recorded at 8.27 m OD, which is 0.64 m lower that the internal floor of the adjacent retort house, and 0.81 m lower that the external yard to the north-east, indicating that the lean-to had a semi-

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basement. In the east corner of the room, there was a brick step (4043) up to a doorway that provided access to the adjacent yard. On the south-west side of the room, there was another opening into the adjacent retort house. Both openings were blocked (see section 5.4.11).

### Retort benches and flue system

- 5.3.10 At the north-east end of the north-west range of the retort house, there were two northwest to south-east aligned retort benches (groups 3056 and 3058; Figs 17, 19–20, and 50–3). These were constructed of unmarked firebricks bonded with red sand. Neither structure was fully exposed, but enough was visible to reconstruct their original dimensions and layout: the report benches measured 12.4 x 6.35 m wide, and each had a row of four retort ovens facing south-west and north-east (eight ovens per retort bench). Each oven would have heated between four and eight individual retorts, depending on the configuration used. Below each oven, there was a 3.4 m long by 0.22 m wide, and up to 0.6 m deep, ash pit that extended outwards beyond the main structure of the retort bench. Excavations at the north-east end of the retort house showed that the foundations of the retort benches were over 1 m thick, which is unsurprising given the massive weight of brick and ironwork they would have supported.
- 5.3.11 The north-east side of retort bench 3058 was abutted by a sequence of ground raising deposits (4010–11, 4016, and 4024; Figs 52–3). Similar ground raising deposits (4017–19) were recorded in a former doorway on the north-west side of the retort house (Fig. 54). Layer 4010 was overlain by the brick ash pits (group 4079; Figs 52–3) that abutted the north-east side of the retort bench. This may simply indicate that layers 4010–11 and 4016–19 and the ash pits (group 4079) were the last parts of the retort bench to be built. Alternately, it could indicate that the ash pits were a later modification to the retort benches: perhaps to lengthen existing pits. Layers 4011 and 4024 were notable in that they comprised 0.1 m thick layers of pure white lime with patches of blue staining. The latter is likely to be ferric ferrocyanide, commonly known as Blue Billy i.e., spent lime derived from the 'wet lime' gas purification process.
- 5.3.12 Between retort benches 3056 and 3058, there was a brick floor (3041–3; Figs 17, 19–20 and 50) and a truncated tubular brick flue (3030; Figs 17, 19–20 and 55). The brick floor, the surface of which was recorded as 9.02 m OD, was probably contemporary with the retort benches, though it may have been repaired or re-laid during the later 19th or early 20th centuries. A similar brick floor (4022; Fig. 54) was recorded in a doorway along the north-west side of the retort house. Flue 3030, which was constructed of firebricks and had an internal diameter of 0.4 m, was centrally placed along the north-east to south-west axis of the retort house. It is also likely to be contemporary with the retort benches. The flue is likely to have been used to exhaust smoke from the central retort ovens and would probably have been linked to the flue (group 1087) that channeled smoke from the north-east end of the retort house to the main gasworks chimney.
- 5.3.13 The flue (group 1087; Figs 17, 43, and 56–8) in the north corner of the coal store appears to have respected the foundations (group 1085) of the 1821 lean-to coal store, which suggests that the flue was built while the lean-to was still standing (i.e., before the mid-1850s). Flue 1087 had an oval internal profile that measured 0.6 m wide and 0.74 m high. Externally, the flue was 1.4 m wide and over 1.1 m deep. The south-eastern terminus of the flue was truncated by modern disturbance, but it is likely to have originally had a rectangular opening at floor level, with an above-ground brick or iron flue that linked it to the high-level opening in the side of the adjacent chimney.

# Other structures within the retort house

- 5.3.14 To the north-east of retort bench group 3058, there were various heavily truncated stone foundations (4015, 4047, 4050, 4051, and 4052; Figs 17, 52–3, and 59–61) of uncertain function. These structures are tentatively interpreted as foundations for gas purification equipment. This suggestion is supported by the fact that there are no external condensers, washers, or scrubbers, shown on any of the pre-1854 mapping (Figs 3–4), which suggests that purification processes were probably undertaken in the north-east range of the retort house (the other two ranges were filled with retort benches).
- 5.3.15 To the north-east of structures 4050 and 4051, there were two small areas of flooring (4049; Figs 17, 62), paved with 300 mm square yellow fireclay slabs. The surface of the floor was recorded as 8.91 m OD. There were no earlier floors in the north-east range of the retort house, which suggests that this surface was an original feature of the 1821 retort house.
- 5.3.16 The main gasworks chimney (Figs 17, 35, and 46–7) at the north-east end of the coal store is an unusual structure that incorporates a large arched doorway that provided a link between the coal store (originally an open yard) and the former north-east range of the retort house. Below the doorway there was a circular stone-lined well (4069; Figs 63–4) that measured 1.2 m externally and 0.95 m internally. On the west side of the well, there was an *in situ* 80 mm thick lead pipe, indicating that water would originally have been drawn using some form of pump. The well was infilled with soft black silt (4070) and is of unknown depth. Gas purification requires copious quantities of water, and this well, located in a part of the building where these processes are likely to have been carried out, is interpreted as the primary water source for the early 19th-century gasworks. By the 1850s, a purpose-built purifier house and a bank of scrubbers had been constructed in other parts of the gasworks. These would have required additional water, possibly supplied by a piped mains connection.

#### 5.4 Bristol United Gaslight Company 1853–91

5.4.1 In 1853, the *Bristol Gas Light Company* merged with the *Bristol and Clifton Gaslight Company* to form the *Bristol United Gaslight Company* (Nabb 1987, 18–19). The new company undertook a programme of modernization and expansion of the Avon Street works, which was evident in the upstanding and buried remains within the site.

#### Coal store

- 5.4.2 Between 1854 and 1857, the inner yard of the retort house was roofed over to create a large new coal store. These works entailed demolishing the old lean-to coal stores (group 1085); constructing a high gable end wall with arched doorways and windows at the south-west end of the yard; and covering the whole area with a clear-span roof supported by sixteen 25 m wide composite timber and iron scissor trusses.
- 5.4.3 Most of the foundations of lean-to coal store wall (group 1085) were robbed out to a depth of 1 m bgl. The resulting robber trench (1051; Fig. 43) was backfilled with a mixture of crushed mortar, ash, clinker, and stone fragments (1050). A short section of walling (1054; Figs 16 and 65) in the west corner of the coal store appears to have been retained as part of an internal room. Wall 1054 was abutted by a modern red concrete floor (1055), which suggest that the wall remained extant until very recently.
- 5.4.4 After the lean-to coal stores (group 1085) had been demolished, a large underground flue (group 1084; Figs 16–17, 29, 42, and 66–73; Appendix 4) was constructed along the south-east side of the building. The flue was 52 m long, 2.5 m wide and 2.2 m high



externally, and 0.96 m wide by 1.4 m high internally. The internal profile had an arched top and a concave base, which was level along its entire length. There were four access chambers along the length of the flue, one of which was heavily truncated. The others were all caped with large plates of reused iron (Fig. 67; possibly scrap from iron ship hulls, locomotives, or steam boilers), which covered a pair of large fireclay slabs (820 x 620 x 100 mm), with interlocking tongue and groove mouldings (Figs 68 and 70). Although these chambers were clearly designed to allow access to the flue, they might never have been used, and certainly were not opened frequently, as they were covered by a contemporary paved floor surface (group 1082). At the north end of flue group 1084, there were two rectangular openings (Figs 72–3), one of which lined up with a high-level opening into the adjacent chimney (Fig. 74), which suggest that they were once linked via a (now removed) brick or iron flue. The south-western opening was probably an access chamber, possibly to facilitate the raking out of any accumulated soot. An inserted blocking wall (Fig. 73) between the two openings was probably built when the flue was decommissioned.

- 5.4.5 A survey of the flue by Maintain-A-Drain (Appendix 4) identified three bricked up connections to between flue group 1084 and the adjacent (demolished) south-east range of the retort house. Further blocking was identified at the north end of the flue. All the blocking is associated with the decommissioning of the flue, which probably occurred when the main chimney was replaced by two rows of four smaller chimneys next to the retort benches in the south-east and north-west ranges of the retort house.
- 5.4.6 Flue group 1084 was overlain by a 1.1 m thick dump of red sand mixed with lime mortar and brick rubble (1004; not illustrated). Elsewhere in the coal store, there was a 0.3 thick layer of made ground (1031, 1036, 1046, and 1049; not illustrated) that raised the internal ground level to approximately 8.8 m OD. The made ground was capped by a paved firebrick, fireclay slab, and sandstone sett floor (group 1082; Figs 16–17, 23–8, and 75–9), which was laid across at least two thirds of the coal store. The south-east side of the room was paved with a 2.45 m wide strip of 300 mm square fireclay paving slabs. These was flanked by a 4.7 m wide strip of sandstone setts, which were in turn flanked by a 3.6 m wide firebrick floor. The north-west side of the room was paved with a 3.6 m wide strip of sandstone setts, flanked by a 5.2 m wide are of firebrick flooring. The central strip of the coal store, which was 6.9 m wide, was unpaved: it is uncertain if this was always the case, or if the paving was truncated prior to the construction of a concrete floor *c*. 1961.
- 5.4.7 In the center of the coal store, there were two lengths of brick- and stone-lined drain (1081 and group 1088; Figs 16–17 and 80–3). Drain 1081 was aligned north-east to south-west, with a curving section at the south-west end that turned towards to the south-east. The north-eastern end of drain group 1088 was aligned east-west: the rest of eth drain was aligned north-east to south-west and got progressively deeper towards the south-west. Drain group 1088 was constructed within an outsized construction cut (Fig. 83): the disparity between the size of the construction trench and the drain structure is unexplained. These drains were probably used to remove surface water accumulations within the coal store.
- 5.4.8 Removal of the paved surface along the south-east side of the coal store revealed a network of cast iron water pipes (1018; Figs 16–17). These were linked to rainwater downpipes from the gully between the coal store and retort house roofs and are likely to be an original feature of the 1850s coal store.

#### Retort benches and flues

5.4.9 Cartographic evidence (Figs 6–7) indicates that the retort benches at the south-west end of the north-west range of the retort house (group 3059; Figs 16, 18, and 84–5), and the



north-east range of the retort house (groups 4080 and 4081; Figs 17, 21, and 86–7), were all built between 1857 and 1860. The new retort benches were built to the same design and dimensions as the earlier examples. Retort bench groups 3059 and 4080 both contained post-1873 firebricks made by Mobberley & Perry, indicating that their ovens were either relined or totally rebuilt after this date.

5.4.10 Between retort benches 4080 and 4081, there was a complex underground flue system (group 4083; Figs 17, 21, and 88), which was constructed of firebricks bonded with red sand. There flues appear to have been linked to the north-east and south-west ends of the retort benches and are likely to have been vented into the openings on the south-east and north-west sides of the chimney in the coal store. The flue system is probably contemporary with retort benches 4080 and 4081, i.e., *c*. 1857–60.

#### Other structures

5.4.11 A *c*. 1850–75 Perrens & Harrison fireclay slab used as blocking (4041; Figs 17 and 48) in a doorway on the east side of the retort house, indicates that this doorway was infilled in the second half of the 19th century. Undated blocking 4046 on the opposite side of the room is likely to be broadly contemporary.

#### External

- 5.4.12 To the south-west of the retort house and coal store, there was an extensive sandstone sett yard surface (group 2047; Figs 16, 22, and 89–90). An adjacent sandstone sett pavement (3031) and associated iron kerb (2032) are contemporary. There was an iron stopcock (2035) embedded in the pavement. This is likely to have been linked to a nearby network of lead waterpipes (2009, 2017, and 2018; Fig. 16), which were recorded towards the top of layer 2005. There were no discernable trench cuts associated with these pipes. A further area of sandstone setts (5002; Figs 16 and 37) on the north-east side of Avon Street is likely to be part of surface group 2047.
- 5.4.13 The remains of a sunken weighbridge (2019; Figs 16 and 91), constructed of red brick and sandstone bonded with black ash mortar, was uncovered in a service trench through what was originally the gasworks entrance. The weighbridge measured approximately 6.4 m north-east to south-west, 3 m north-west to south-east, and was approximately 0.4 m deep internally. This structure is depicted on various plans dating from 1857 to 1951 (Figs 6–12), but the fact that it does not appear on earlier mapping does not preclude an early date of construction: it may simply have been omitted from these plans.

# 5.5 Bristol Gas Company 1891–1949

5.5.1 The formation of the Bristol Gas Company in 1891, led to a consolidation and rationalisation of the city's various gasworks. Gas production at 65 Avon Street continued until at least 1892, but the installation of mechanised inclined retorts in the retort house on the west side of the street in 1901, and the continued expansion of Stapleton Gasworks, led to a decision to cease using the hand-charged retorts in the 1821 retort house. The south-east and north-east ranges of the retort house were demolished in the mid-1920s, and by 1933, the coal store was being used as a gas pipe store. The surviving north-west range of the retort house was converted for use as a gas cooker workshop.

#### Coal store

5.5.2 During the early 20th century, there were various piecemeal concrete repairs (group 1086; Figs 16–17, 23–8, 77, and 79) to the existing 19th-century floor. Remains of small brickbuilt rooms with concrete floors (1016 and 1055; Figs 16–17, 27, 65, and 92) were recorded along the south-east side and the west corner of the coal store. These are likely to have been used as messes, offices, lavatories, and tool stores for gas company workers in the pipe store and cooker workshop. The presence of ceramic drainpipes in the floor of structure 1016, suggest that there were lavatories in this part of the building. On the south-east side of the coal store, there were two metal brackets (1011 and 1012; not illustrated) imbedded in concrete. These were clearly fixtures of some sort, but their exact function is unknown.

### Retort house

- 5.5.3 During the mid-1920s, the north-east and south-east ranges of the retort house were demolished, leaving the north-west range as the last intact part of the 1821 building. Following the demolition of the north-east range, a new wall (4002; Figs 17 and 52–3) was erected at the north-east end of the retained north-west range. Wall 4002, which is constructed of sandstone rubble with red brick details, was founded on the truncated remains of retort bench group 3058. The other retort benches in the north-west range were probably demolished at the same time, and the building was converted for use as a gas cooker workshop. Deposits associated with the demolition of these structures include a demolition layer (3023) above retort bench group 3056, the infill (4004) of an ash pit on the north-east side of retort bench group 3059. The latter contained a discarded leather shoe.
- 5.5.4 At the south-west end of the retort house there was a large brick and concrete structure (group 3060; Figs 16, 18, 93–5), which corresponds with the location of a 'cooker incinerator' depicted on 1933 plan (Fig. 11). The structure measured over 9.9 m north-east to south-west, 3.7 m north-west to south-east, and had a 1 m wide and 0.35 m deep central trough along its long axis and is interpreted as the foundations for an above-ground incinerator. The concrete showed no evidence of heating, which suggests that there was a gap between the foundations and the incinerator, which was probably a long metal structure. The function of the incinerator is uncertain, but it may have been used to clean cooker parts by burning off accumulations of soot and grease, as part of their maintenance or refurbishment. The south-west side of the incinerator base was abutted by a contemporary red brick floor (group 3055; Figs 16, 18, 94–5). Below this floor, there was a north-west to south-east aligned brick wall (3035; Fig. 16), which is likely to be contemporary with the cooker incinerator: its function is unknown.
- 5.5.5 Elsewhere in the retort house, there were piecemeal early 20th-century brick and concrete repairs (group 3057; Figs 16–19) to existing 19th-century floors and truncated retort benches.

#### External

- 5.5.6 To the south-west of the retort house, there were various structures related to the use of the gasworks in the early 20th century. Immediately to the south of the retort house, there was a brick and concrete structure (group 2048; Figs 16, 22, and 96–7), which can be identified as the foundations of a ramp into the gas cooker workshop. This ramp is visible on a 1950 aerial photograph (Dittrich Hudson Vasetti Architects 2021, 7). The sandstone sett yard surface (2049) to the south-west and north-west was re-laid on a bed of Portland cement after this structure was built.
- 5.5.7 To the north-west of surface 2049, there was an underground concrete petrol tank (2037; Figs 16, 22, and 96), capped with an iron access hole cover. The petrol tank is marked on a 1933 plan of the gasworks (Fig. 11).
- 5.5.8 Following the demolition of the north-east range of the retort house, a brick inspection chamber (4035; Figs 17 and 48–9) was constructed around gas pipe 4034, which was



presumably still live at this date. Sometime after the mid-1920s, a trench (4071) for a 200 mm diameter steel pipe (4066) was dug through the foundations of the demolished northeast retort benches. The site of the demolished north-east range of the retort house was concreted over around the same time.

# 5.6 Uncertain date - 19th or early 20th century

5.6.1 Within the gasworks there were various features, mostly gas pipes and yard surfaces, of uncertain date. These features all date from the use of the site as a gasworks (i.e., 1821–1961), but cannot be more accurately dated with any certainty within this period.

#### Flue on north-west side of the retort house

5.6.2 A heavily truncated north-east to south-west aligned underground flue (2041; Figs 16–17, and 98–9), constructed of firebricks bonded with red sand, was uncovered immediately to the north-west of the north-west range of the retort house. There was a rectangular opening, 0.75 m square and over 0.9 m deep internally, at the north-east terminus of the flue. It is unknown if this flue was originally linked to the main coal store chimney, perhaps via flue group 1087, or if was associated with the row of four chimneys visible on the north-west side of the building on an early 1920s aerial photograph (Fig. 13). It is uncertain when this flue was constructed.

#### Pits in the coal store

5.6.3 Along the north-west side of the coal store, there were two large rectangular north-east to south-west aligned pits (1038/1039 and 1045; Figs 16–17, and 100). The pits were 1.5 m wide, over 1 m deep, and up to 6.2 m long, and were backfilled with a mixture of dark grey made ground and large quantities broken Double Roman ceramic roof tiles. The purpose of these pits is unknown, but a plausible interpretation is that they were dug to facilitate underpinning of the wall between the coal store and north-west range of the retort house. A shallow brick structure (1029; Fig. 16) of uncertain date or purpose was recorded along the north-west side of the coal store.

#### External features

- 5.6.4 The north-east wall of the north-east lean-to building (4040) was abutted by a by a 15.2 m long by 0.6 m wide north-east to south-west aligned cast iron gas pipe (4034; Figs 17, 48–9). The south-eastern end of the gas pipe was terminated by a bolted iron blanking plate. The north-east end of the pipe curved upwards and would have originally continued above ground alongside the Gas Lane perimeter wall. The north-eastern end of the pipe was broken off at ground level, and the pipe itself was partially filled with coal tar (Fig. 101), some of which had leaked onto the surrounding yard, where it had solidified to form a bituminous layer overlying the brick paving. Within lean-to building 4040, there was a 0.75 m square stone block (4045; Figs 17 and 102), which is interpreted as a pad stone for a removed north-west to south-east aligned section of gas pipe 4034. Gas pipe 4034 was overlain by made ground 4033, which was sealed by a brick-paved yard (group 4082; Fig. 17 and 103). There was a further area of brick paving (2045; Fig. 17), predominantly constructed using used firebricks, to the north of the retort house. The date of this yard surface is uncertain.
- 5.6.5 To the south-west of the retort house and coal store, there were various large cast iron gas pipes (Fig. 16) of uncertain date. Pipe 2009 was sealed by a 0.1 m thick layer of compacted ash and clinker that contained occasional lumps of copper-rich slag (2004). This deposit, which may have been sourced from a local brass works, may have been the original surface of the gasworks yard.



5.6.6 Surface 2004 was cut by the trench (2007) for a 450 mm diameter cast iron gas pipe (2006). The backfill (2008) of the pipe trench was cut by another trench (2011) for a 100 mm diameter cast iron gas pipe (2010). The backfill (2012) of the latter trench was sealed by the bedding (2003) for sandstone sett yard surface (group 2047). There was another 450 mm diameter cast iron gas pipe (2026) below the pedestrian walkway through the gasworks entrance building.

### 5.7 Post-Nationalisation 1949–2021

#### Coal store

5.7.1 Concrete floor group 1086 was overlain by bedding (1001) for another concrete floor (1000). The later floor was constructed in more than one phase, and part of it was cast over a slightly earlier post-1950s concrete vehicle inspection pit (1076; Figs 17 and 78). A modern drain (1026; Figs 16–17) and access holes (1026 and 1058; Figs 16–17 and 58) were also recorded. The concrete floor, inspection pit, drain, and access holes are all associated with the use of the building as a commercial garage from *c*. 1961 onwards.

#### Retort house

5.7.2 Following the conversion of the retort house for use as a garage, a large cut of unknown purpose (3054) was dug through the north corner of retort bench group 3059 (Fig. 16). The backfill (3029) of the cut was sealed by modern bedding (3001) for concrete floor 3000.

#### External

- 5.7.3 Following the demolition of the gasworks offices *c*. 1963, and the clearance of other gasworks structures, the area to the south-west of the retort house and coal store was covered with a sequence of demolition/levelling deposits (2001, 2016, 2044, and 2043; not illustrated) and modern floor and yard surfaces (2000 and 2042; not illustrated). Demolition layer 2044, which infilled demolished weighbridge 2019, was notable in that it contained numerous placed fireclay voussoir blocks, derived from demolished retort ovens. The backfill of the weighbridge was cut by a modern trench (2022) for a cast iron pipe (2021). The demolished gasworks offices (group 2046) were cut by trenches for a modern electric cable and gas pipe (2028 and 2029; not illustrated).
- 5.7.4 Post-gasworks features in the rear yard (not illustrated) comprised infilling (4039) of inspection chamber 4035; made ground (4072) over the backfill (4075) of gas pipe (4074); a modern concrete filled utility trench (4012); and bedding (4001) for concrete floor 4000.
- 5.7.5 On the north-east side of Avon Street, sandstone setts 5002, were cut by a modern drain (5005) and electric cable (5004), which were overlain by bedding (5001) for modern tarmac pavement 5000.

#### 6 FINDS EVIDENCE

#### 6.1 Introduction

6.1.1 A small assemblage of 19th- and 20th-century finds was recovered during the watching brief at 65 Avon Street. All finds have been quantified by material type within each context, and totals by material type are given in Table 1. In this report, the use of a forward slash symbol denotes a line break in the wording on marked firebricks.

**Table 1**Finds by material type (number of pieces/weight in grammes)

		Material	Quantity	Wight (g)
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Pottery	15	2,946
Firebrick	24	141,731
Leather	1	410
Total	34	145,087

#### 6.2 Pottery

Wasters

- 6.2.1 Twelve pieces of biscuit-fired white earthenware were recovered from layer 2005. These comprise eight pottery wasters and four pieces of probable kiln furniture The pottery comprises fragments of shallow bowls. The probable kiln furniture comprises rings of white earthenware, which may have been bases for tube props. The pottery wasters were recovered from a ground-raising deposit associated with the construction of the Avon Street Gas Works in 1821.
- 6.2.2 The only white earthenware manufacturer in Bristol at this date was the Water Lane Pottery, also known as the Temple Back or Bristol Pottery. This pottery was established *c*. 1682 and initially focussed on the production of tin-glazed wares, mottled earthenware with iron rich glaze, brown stoneware, and red earthenware, including sugar moulds and chimney pots. By 1784, the pottery had diversified into creamware production, some of which had transfer-printed decoration. Creamware, and later pearlware and refined whiteware became the main products of the pottery, which remained operational until production was transferred to the company's Bristol Victoria Pottery in St Philip's Marsh in 1885. Between 1816 and 1835, the pottery was operated by John Decimus Pountney and Edwin Allies, trading as *Pountney & Allies* (Jackson 2019a). Their pottery was also exported France, Spain, Portugal, the Italian Kingdom of the Two Sicilies, the United States of America, and the Empire of Brazil (Jackson 2019b).

#### Redware

6.2.3 The bases of thee incomplete redware vessels were recovered from made ground layer 1049, which was probably deposited in the mid-1850s. The vessels all had a slightly tapered profiles, which were slightly everted towards the top, and a white residue (possibly limescale, or chemical) in the base. Two of the vessels were nearly identical: these had 104 mm wide bases, pale brown internal glaze, and survived 80–100 mm high. The other had a 93 mm base, black internal glaze, a more everted profile, and survived up to 90 mm high.

# 6.3 Firebrick

- 6.3.1 A total of 24 firebricks were recovered during the watching brief. The bricks, all made from coal measures clay, fired to a pale buff or pink colour, are catalogued in Appendix 2. Eighteen of the bricks were marked with identifiable manufacturers marks: one was imported from Stobswood, Northumberland; the others came from the Black Country towns of Stourbridge and Dudley, both in the historic county of Worcestershire. The other firebricks were either unmarked, or their marks were illegible.
- 6.3.2 The firebricks comprised 16 standard-sized 'nine-inch' bricks; one feather edged nine-inch brick; two fragments of large slabs; and five large voussoir mouldings. The latter would have been used in the construction of arches within of gas retort ovens.



#### Stourbridge bricks

- 6.3.3 Thirteen bricks from six Stourbridge brick manufacturers were recovered: three from *George King Harrison*; three from *Mobberley & Perry*; one from *Perrens & Harrison*; two from *Rufford & Co.*; one from *Harris & Pearson*; and one from *J & W King*.
- 6.3.4 *Rufford* & *Co.* was a firebrick manufacturing company that was founded by Francis Rufford in 1802. By c. 1880, the company had diversified into the production of glazed bricks and porcelain baths. The company ceased trading in 1936 (Grace's Guide 2022c). The Rufford & Co. bricks were recovered from flues 1015 and 4067, both of which probably date from c. 1821.
- 6.3.5 Six of the marked bricks were made by a Stourbridge-based brickmaking family that ran a succession of companies between the early 19th and mid-20th centuries. It is unknown when the family first started mining fireclay and making firebricks, but William King I was certainly mining clay prior to his death in 1818 (Liverpool Record Office, Non-Conformist Registers, ref. 289 QUA/L; TNA Society of Friends' Registers, Notes and Certificates of Births, Marriages and Burials, Class RG 6, Piece 926). After William King I's death, the firm was run as a partnership between his sons Joseph and William, trading as J & W King (Aris's Birmingham Gazette, 1 January 1838, 4). William King II died in 1850, and the brickworks passed to his nephews William King Perrens and George King Harrison, who traded as Perrens & Harrison. This company exhibited widely, notably in Paris in 1855 and 1878, London in 1862, and Sidney in 1875. Their products were exported internationally, some as far as the Empire of Japan in 1879. Perrens retired in 1875, leaving Harrison to continue trading as George King Harrison (Sallery 2022a). By 1904, George King Harrison had become a limited company, which operated until 1963 (County Advertiser & Herald for Staffordshire and Worcestershire, 30 July 1904, 4; Dudley Archives ref. DBCM/1). The Perrens & Harrison firebrick was a large flat slab, used in blocking wall 4041; the George King Harrison bricks, which were all standard nine-inch firebricks, were used in retort benches 3028 and 4065. The J & W King brick was used in flue 1015.
- 6.3.6 *Harris & Pearson* was another Stourbridge fireclay mining and firebrick manufacturing company, which was founded by Peter Harris and George Pearson in 1852. During the early 1930s, the company became part of *E. J. and J. Pearson Ltd*, though they continued trading as *Harris and Pearson Ltd* until production ceased in 1968 (Grace's Guide 2022b; Cooksley 2022). The Harris & Pearson brick was used in the construction of retort bench 4006.
- 6.3.7 Hickman & Co. of Lye, near Stourbridge, was founded some time before 1852, by which date they were producing gas retorts of less creditable appearance than their competitors (Gateshead Advertiser, 14 August 1852, 3). There are records of a firebrick manufacturer in Lye named Edward Hickman, who died before 1830 (Aris's Birmingham Gazette, 15 March 1830, 4), and a fireclay merchant named Richard Hickman from the same area, who was active in 1845 (Learnington Spa Courier, 9 November 1844, 3). It seems probable that Hickman & Co. was another long-running family business, which was probably established in the early 19th century. The company remained active until at least 1915 (County Express, 9 January 1915, 5), but probably closed soon after. The Hickman & Co. brick was recovered from flue 1008.
- 6.3.8 *Mobberley & Perry* were operating from Lye by 1873 (*County Advertiser & Herald for Staffordshire and Worcestershire*, 27 December 1873, 5), and by 1912 they had become a limited company (*Dudley Chronicle*, 12 October 1912, 10). Mobberley & Perry Ltd were acquired by *J. T. Price & Co.* in 1957 (*Birmingham Daily Post*, 1 May 1957, 23). The

company's drying sheds were destroyed in a major fire in 1963 (*Birmingham Daily Post*, 18 February 1963, 7), and probably closed soon after. The collected Mobberley & Perry bricks were all large voussoir blocks, which were recovered as unstratified finds from modern demolition debris. These bricks would have been used to line gas retort ovens. Mobberley & Perry bricks were also used in the construction of retort benches 3025 and 4062, though these were not collected.

# Dudley bricks

6.3.9 *Gibbons (Dudley) Ltd* was founded by Benjamin Gibbons in 1834 and became a limited company in 1919. The company specialised in the production of fireclay products for industrial use, particularly for gas retorts. The company closed in 1999 (Black Country History 2022; Grace's Guide 2022a; Companies House 2022a). The *Gibbons (Dudley) Ltd* bricks were all recovered as unstratified finds.

#### Northumberland brick

6.3.10 One of the gas oven voussoir bricks was marked *SUPERAXE*. This was a product of *The Burn Fireclay Co. Ltd* of Stobswood Colliery, Northumberland. This company was established as *Rayne and Burn Fireclay Co., c.* 1859, and was incorporated as *The Burn Fireclay Company Ltd* in 1936. The company was liquidated in 1999 (Sallery 2022b; Northumberland Archives ref. NRO 00438/C; Companies House 2022b). The *SUPERAXE* brick, which would have been used to line gas retort ovens, was recovered as an unstratified find.

#### 6.4 Discussion

- 6.4.1 The finds from 65 Avon Street date from the operation of the gasworks (1821–1961). The earliest finds, which comprise a small assemblage of pottery wasters dating from *c*. 1821, are likely to have been imported onto the site as industrial waste used to reclaim the low-lying land of St Philip's Marsh. The other finds comprise the bases of three redware vessels, and a collection of marked firebricks used in the construction of gas retort ovens and associated flue systems. The earliest bricks probably date from 1821, the others date from the later 19th to mid-20th centuries.
- 6.4.2 Marked firebricks provide direct dating for some of the structures within the gasworks, and evidence for the trading networks used by the Bristol Gas Light Company, and its successor businesses during the 19th and 20th centuries. All the firebricks were imported from specialist manufacturers, mostly from Stourbridge and Dudley in the West Midlands, but also from Northumberland. The use of firebricks from different companies in the same structures suggests that the bricks were either supplied by middlemen, who scoured their products from several brickyards, or that individual brickmakers supplemented their stock with bricks from other works to meet an order.
- 6.4.3 Although Bristol had its own local fireclay industry, industrial customers appear to have favoured bricks from either Stourbridge or Scotland, examples of this can be found at the Blackswarth Lead Works (*Bristol Times and Mirror*, 11 June 1883, 8), Bedminster Smelting Works (Wessex Archaeology 2022b, 28–30), Barton Hill Pottery (Mason 2017, 117), and Powell & Rickett's Bottle Works (Gregory *et al.* 2018, 267)
- 6.4.1 The firebricks indicate that flue 4067 post-dates 1802; flue 1015 post-dates 1818; retort bench 4006 post-dates 1852; and retort benches 3028 and 4065 post-date 1875.
- 6.4.2 The three redware vessels are very similar to a large group of incomplete pots, described as 'ledged vessels', that were recovered from a redware kiln waste dump at nearby Glass



Wharf, Avon Street (Jackson and Gregory, 2019, 120, fig. 4, nos 6 and 7). These vessels were found in large quantities throughout the waster dump, and were interpreted as having a specialised, though undetermined function. The wasters at Glass Wharf are likely to have originated from one of two potteries nearby that operated between *c*. 1760 and 1842 (*ibid.*, 122). The three vessels from 65 Avon Street were found in an mid-1850s made ground deposit, which suggests that they were either redeposited from elsewhere after the above potteries closed, or that they originated from one of the other two Avon Street redware potteries that were active between 1815 and 1890 (Mason 2017, fig. 3). Although the function of these vessels remains unknown, it is probable that they were used in an industrial process.

# 7 CONCLUSIONS

# 7.1 Summary

- 7.1.1 The Bristol Gas Light Company retort house was a large horseshoe-shaped building set within a high walled yard. Other gasworks structures, including coke stores, stables, workshops, offices, gasholders, purifiers, scrubbers, and a meter house, were located elsewhere in the yard: none of the latter structures are extant. During the mid-1850s, the inner yard of the retort house was roofed over for use as a coal store. Coal gas production on the site probably ceased in the early 1900s, though gas manufacturing continued in other parts of the works until the 1950s. The north-east and south-east ranges of the retort house were demolished in the early 1920s and the building was converted for use as a gas cooker workshop and pipe store. Between 1961 and 2020, the building was used as an automotive garage.
- 7.1.2 The watching brief uncovered extensive structural remains associated with 19th-century gas production and the later use of the building as a gas company store and workshop. This included the foundations of a brick and stone weighbridge, five gas retort benches, and the walls of demolished parts of the retort house and gasworks offices. An extensive system of underground brick-lined flues; large cast iron gas pipes; brick, sandstone sett, fireclay slab, and concrete floor and yard surfaces; and the base of a large early 20th-century 'cooker incinerator' were also recorded.
- 7.1.3 The finds assemblage included a collection of firebricks and fireclay mouldings from the gasworks retort ovens and flues, and a small collection of pottery, including some locally produced early 19th-century wasters.

# 7.2 Discussion

- 7.2.1 The 1821 retort house was designed with a single 30 m high chimney that served all eight of the original retort benches, each of which would have been fitted with eight retort ovens heating between 24 and 56 gas retorts. Smoke from the ovens was transmitted to the chimney via a system of underground flues. During the mid-1850s, the flue system was reconfigured, possibly with the aim of improving draw. This effort does not appear to have been entirely successful, and by the end of the 19th century, the large shared chimney appears to have been replaced by eight smaller chimneys located next to their respective retort benches.
- 7.2.2 It is likely that the gas purification equipment was originally housed in the north-east range of the retort house, but by 1854 these processes were being undertaken in purpose-built structures elsewhere in the gasworks. By 1860, an additional two retort benches had been built in the north-east range of the retort house. These retort benches were built to the same simple design as the earlier examples. Hand charged retort ovens appear to have

remained in use until *c*. 1901, by which date they became superfluous following the installation of mechanically fed inclined retorts on the opposite side of Avon Street. Routine gas production in the 1821 retort house probably ceased around this time, though the plant may have been kept serviceable to cope with peak demand during cold spells. During the mid-1920s, the south-east and north-east ranges of the retort house were demolished, and the gas making equipment was dismantled to allow the remaining parts of the building to be used as a workshop and store. Gas production at the Avon Street works did not entirely cease: the inclined retorts on the south-west side of the street continued to make coal gas, and new buildings, housing carburettor water gas (CWG) plant were built to the south of the original works.

- 7.2.3 The excavated remains at Avon Street can usefully be compared with remains from other excavated gasworks, such the 1813 Curtain Road Gasworks, London (Museum of London Archaeology [MOLA] 2016); the 1817 Temple Back Gasworks, Bristol (BaRAS 2000 and 2004; the 1819 Gas Street Gasworks, Birmingham (Birmingham University Field Archaeology Unit [BUFAU] 2001); the 1822 Ansell Road Gasworks, Saltisford (Cambrian Archaeological Projects [CAP] 2005); and the 1824 Cannons Marsh Gasworks, Bristol (RemedX 1998 and 2005).
- 7.2.4 Many gasworks retort benches were constructed with arched cellars below the retort ovens. These were sometimes used as a place where hot coke could be raked out and quenched. An arched cellar at the Ansell Road Gasworks was tentatively identified as this type of structure (CAP 2005, 16, fig. 10, plates 25, 28, and 30-2), however given the lack of stepped access, it is more likely to have been a tar or liquor tank. More convincing examples were recorded at Cannons Marsh (RemedX 2005, 31, fig. 13-14) and Gas Street (BUFAU 2001, fig. 3). The Canons Marsh works was built as an oil gas rather than coal gas works, though much of the technology, including the basic design of the retort benches, was common to both. The retort benches at Avon Street had a much simpler design, with shallow ash pits below ground level ovens, with no cellars below. An example of this type of retort bench is depicted in Thomas (2013, fig. 5). This design seems to have been used throughout the life of the Avon Street works. A possible retort bench at Curtain Road (MOLA 2016, 24, fig. 12), may have been built to this simpler design, but it was too heavily truncated to be certain. No retort benches were identified at the Temple Back or the Ansell Road works.
- 7.2.5 The only one of the above sites with underground flues was Curtain Road: this had similar tubular firebrick-lined flues to Avon Street (MOLA, 24, figs 12 and 36). This type of flue was widely used in 18th- and 19th-century industrial sites, nearby examples include the Bedminster Smelting Works (Wessex Archaeology 2022) and Powell & Ricketts' Bottle Works (Gregory et al. 2018). Some of the above gasworks contained tanks associated with the wet lime process (MOLA 2016, 68, figs 12 and 37–8), and gasholders (BUFAU 2001, fig. 8; BaRAS 2005, fig. 10, plates 9–10; RemedX 2005, figs. 7–8, CAP 2005, fig. 8, plates 7–16). Similar features will exist elsewhere within the former Avon Street gasworks site, but none were identified during the watching brief.
- 7.2.6 By 1961, the former retort house and coal store was being used as a garage, but some large pieces of gas infrastructure, including two gasholders, survived until 2016. The whole of the former gasworks will eventually be redeveloped as part of Bristol University's new Temple Quarter Campus, and it is perhaps fitting that the 1821 retort house an example of cutting-edge Georgian technology has been repurposed as the Bristol Digital Futures Institute, a hub for the developing technologies of the 21st century.



# 8 ARCHIVE STORAGE AND CURATION

#### 8.1 Museum

8.1.1 The archive resulting from the watching brief is currently held at the offices of Wessex Archaeology in Bristol. Bristol Museum and Art Gallery has agreed in principle to accept the archive on completion of the project, under the accession code BRSMG 2021.34. Deposition of any finds with the museum will only be carried out with the full written agreement of the landowner to transfer title of all finds to the museum.

#### 8.2 **Preparation of the archive**

#### Physical archive

- 8.2.1 The physical archive, which includes paper records, and graphics, will be prepared following the standard conditions for the acceptance of excavated archaeological material by Bristol Museum and Art Gallery, and in general following nationally recommended guidelines (SMA 1995; ClfA 2014c; Brown 2011).
- 8.2.2 All archive elements will be marked with accession code BRSMG 2021.34, and a full index will be prepared. The physical archive currently comprises the following:
  - 1 files/document cases of paper records

#### Digital archive

8.2.3 The digital archive generated by the project, which comprises born-digital data (e.g., site records, survey data, databases and spreadsheets, photographs and reports), will be deposited with a Trusted Digital Repository, in this instance the Archaeology Data Service (ADS), to ensure its long-term curation. Digital data will be prepared following ADS guidelines (ADS 2013 and online guidance) and accompanied by metadata.

#### 8.3 Selection strategy

- 8.3.1 It is widely accepted that not all the records and materials (artefacts and ecofacts) collected or created during the course of an archaeological project require preservation in perpetuity. These records and materials will be subject to selection in order to establish what will be retained for long-term curation, with the aim of ensuring that all elements selected to be retained are appropriate to establish the significance of the project and support future research, outreach, engagement, display and learning activities, ie the retained archive should fulfil the requirements of both future researchers and the receiving Museum.
- 8.3.2 The selection strategy, which details the project-specific selection process, is underpinned by national guidelines on selection and retention (Brown 2011, section 4) and generic selection policies (SMA 1993; Wessex Archaeology's internal selection policy) and follows ClfA's 'Toolkit for Selecting Archaeological Archives'. It should be agreed by all stakeholders (Wessex Archaeology's internal specialists, external specialists, local authority, museum) and fully documented in the project archive.
- 8.3.3 In this instance, given the relatively low level of finds recovery, the selection process has been deferred until after the fieldwork stage was completed. Project-specific proposals for selection are presented below. These proposals are based on recommendations by Wessex Archaeology's internal specialists and will be updated in line with any further comment by other stakeholders (museum, local authority). The selection strategy will be fully documented in the project archive.



8.3.4 Any material not selected for retention may be used for teaching or reference collections by Wessex Archaeology.

#### Finds

8.3.5 The finds assemblage recovered during the watching brief was small. The finds date from the 19th and 20th centuries and are associated with the Avon Street gasworks, operating 1821–1961, and other nearby industrial premises (building materials, pottery wasters, and a leather shoe). The small pottery assemblage comprises common ware types that are well represented in other local assemblages. It is proposed that none of the finds are retained.

# Documentary records

8.3.6 Paper records comprise site registers (other pro-forma site records are digital), drawings and reports (Written Scheme of Investigation, client report). All will be retained and deposited with the project archive.

# Digital data

8.3.7 The digital data comprise site records (tablet-recorded on site) in spreadsheet format; finds records in spreadsheet format; survey data; photographs; reports. All will be deposited, although site photographs will be subject to selection to eliminate poor quality and duplicated images, and any others not considered directly relevant to the archaeology of the site.

# 8.4 Security copy

8.4.1 In line with current best practice (eg, Brown 2011), on completion of the project a security copy of the written records will be prepared, in the form of a digital PDF/A file. PDF/A is an ISO-standardised version of the Portable Document Format (PDF) designed for the digital preservation of electronic documents through omission of features ill-suited to long-term archiving.

# 8.5 OASIS

8.5.1 An OASIS (online access to the index of archaeological investigations) record (http://oasis.ac.uk) has been initiated, with key fields completed (Appendix 3). A.pdf version of the final report will be submitted following approval by the Principal Historic Environment Officer on behalf of the LPA. Subject to any contractual requirements on confidentiality, copies of the OASIS record will be integrated into the relevant local and national records and published through the Archaeology Data Service (ADS) ArchSearch catalogue.

# 9 COPYRIGHT

#### 9.1 Archive and report copyright

9.1.1 The full copyright of the written/illustrative/digital archive relating to the project will be retained by Wessex Archaeology under the *Copyright, Designs and Patents Act 1988* with all rights reserved. The client will be licenced to use each report for the purposes that it was produced in relation to the project as described in the specification. The museum, however, will be granted an exclusive licence for the use of the archive for educational purposes, including academic research, providing that such use conforms to the *Copyright and Related Rights Regulations 2003*.


9.1.2 Information relating to the project will be deposited with the Historic Environment Record (HER) where it can be freely copied without reference to Wessex Archaeology for the purposes of archaeological research or development control within the planning process.

## 9.2 Third party data copyright

9.2.1 This document and the project archive may contain material that is non-Wessex Archaeology copyright (eg, Ordnance Survey, British Geological Survey, Crown Copyright), or the intellectual property of third parties, which Wessex Archaeology are able to provide for limited reproduction under the terms of our own copyright licences, but for which copyright itself is non-transferable by Wessex Archaeology. Users remain bound by the conditions of the *Copyright, Designs and Patents Act 1988* with regard to multiple copying and electronic dissemination of such material.



## REFERENCES

- ADS 2013. Caring for Digital Data in Archaeology: a guide to good practice. Archaeology Data Service and Digital Antiquity Guides to Good Practice.
- Alderwick, C. 2019. 'The Rise of Gas in the South West', Historic Gas Times 100, 2–7.
- Anon 2021. *History of 74–78 Avon Street, Bristol, BS2 0PX*. 74-78avonstreet.co.uk (accessed 15 December 2021).
- BaRAS 2000. Archaeological Watching Brief at Plot 1, Temple Quay, Bristol. Bristol: unpublished report ref. 376/2000. https://maps.bristol.gov.uk/knowyourplace/arch\_reports/438.pdf (accessed 14 December 2021).
- BaRAS 2004. Archaeological Watching Brief at Plot 1B, Temple Back East, Temple Quay, Bristol. Bristol: unpublished report ref. 1264/2004. https://maps.bristol.gov.uk/knowyourplace/arch\_reports/4133.pdf (accessed 14 December 2021).
- BUFAU 2001. Salvage Recording on the Site of the Former Gasworks, Gas Street, Birmingham, West Midlands. Birmingham: unpublished report. https://archaeologydataservice.ac.uk/archiveDS/archiveDownload?t=arch-502-1/dissemination/pdf/birmingh2-48471\_1.pdf (accessed 3 March 2023).
- Black Country History 2022. *Gibbons (Dudley) Ltd.* https://www.blackcountryhistory.org/collections/getrecord/GB145\_p\_288 (accessed 5 December 2022).
- Bristol City Council 2020. *The Bristol Local List: September 2020 Fifth Edition* https://www.bristol.gov.uk/documents/20182/238859/The+Bristol+Local+List/a3959184-216e-4ffd-b8f2-d27aef8ce460 (accessed 6 April 2022).
- British Geological Survey 2021. *Geology of Britain Viewer* http://mapapps.bgs.ac.uk/geologyofbritain/home.html (accessed 7 January 2021).
- Brown, D. H. 2011. Archaeological Archives: a guide to best practice in creation, compilation, transfer and curation (revised edition). Archaeological Archives Forum.
- Cambrian Archaeological Projects [CAP] 2005. Ansell Road Gasworks, Saltisford, Warwick: excavation and watching brief. Llanidloes: unpublished report ref. 325.
- Chatwin, A. 1976 'A Bristol Plan Identified', *Bristol Industrial Archaeological Society Journal* 9, 17–20. https://b-i-a-s.org.uk/wp-content/uploads/2021/01/BIAS\_Journal9\_A\_BRISTOL\_PLAN\_IDENTIFIED.pdf (accessed 1 December 2022).
- CIfA 2014a. *Standard and Guidance for an Archaeological Watching Brief* (revised edition June 2020). Reading: Chartered Institute for Archaeologists.
- ClfA 2014b. Standard and Guidance for the Collection, Documentation, Conservation and Research of Archaeological Materials (revised edition October 2020). Reading: Chartered Institute for Archaeologists.



- ClfA 2014c. Standard and Guidance for the Creation, Compilation, Transfer and Deposition of Archaeological Archives (revised edition June 2020). Reading, Chartered Institute for Archaeologists.
- CIFA Toolkit for Selecting Archaeological Archives https://www.archaeologists.net/selection-toolkit (accessed 13 December 2021).
- ClfA *Toolkit for Specialist Reporting* https://www.archaeologists.net/reporting-toolkit (accessed 13 December 2021).
- Companies House 2022a. *Gibbons Dudley Limited*. https://find-and-update.companyinformation.service.gov.uk/company/00411393 (accessed 6 December 2022).
- Companies House 2022b. *Burn Fireclay Company, Limited (The)*. https://find-andupdate.company-information.service.gov.uk/company/00313318/insolvency (accessed 6 December 2022).
- Cooksley, J. 2022. *Recent history* https://www.harrisandpearson.info/jcookseyhistory.htm (accessed 26 May 2022).
- Dittrich Hudson Vasetti Architects 2021. Bristol Gas Light Company Retort House and Coal Store, Heritage Statement. Bristol: unpublished client report. https://docs.planning.org.uk/20210525/65/QSMP7JDNGXB00/ekka0m3793ors8tf.pdf (accessed 1 December 2021).
- English Heritage 2011. Environmental Archaeology: a guide to theory and practice of methods, from sampling and recovery to post-excavation. Swindon: Centre for Archaeology Guidelines.
- Graces Guide 2022a. *Gibbons (Dudley).* https://www.gracesguide.co.uk/Gibbons\_(Dudley) (accessed 5 December 2022).
- Grace's Guide 2022b. *Harris and Pearson.* https://www.gracesguide.co.uk/Harris\_and\_Pearson (accessed 11 May 2022).
- Grace's Guide 2022c. *Rufford and Co.* https://www.gracesguide.co.uk/Rufford\_and\_Co (accessed 11 May 2022).
- Gregory, R. A., Dungworth, D., Wild., C., and Hughes, V. 2018. 'Exploring Bristol's historic glass industry: archaeological investigations at the Soap Boilers' and Hoopers' glasshouses, and Powell & Rickett's Bottle Works, Avon Street, Glass Wharf, Bristol', *Post-Medieval Archaeology* 52/2, 256–99.
- Historic England 2022a. *Aerial Photo EPW016970.* https://historicengland.org.uk/imagesbooks/archive/collections/aerial-photos/record/EPW016970 (accessed 25 April 2022).
- Historic England 2022b. *Aerial Photo RAF\_58\_7190\_F22\_002* https://historicengland.org.uk/images-books/archive/collections/aerialphotos/record/RAF\_58\_7190\_F22\_0022 (accessed 25 April 2022).
- Historic England 2022c. *Aerial Photo EAW049916.* https://historicengland.org.uk/imagesbooks/archive/collections/aerial-photos/record/EAW049916 (accessed 25 April 2022).



- Historic England 2022d. Aerial Photo EAW049916. https://historicengland.org.uk/imagesbooks/archive/collections/aerial-photos/record/EPW060120 (accessed 25 April 2022).
- Jackson, R. and Gregory, R. A. 2019. 'Post-medieval pottery kiln waste from Glass Wharf, Bristol', *Transactions of the Bristol and Gloucestershire Archaeological Society* 137, 117–24.
- Jackson, R. 2019a. *Bristol Potteries W.* https://www.bristolpottersandpotteries.org.uk/potteries-letter/w/ (accessed 6 December 2022).
- Jackson, R. 2019b. *Bristol Pottery Exports 1815-1824*. https://www.bristolpottersandpotteries.org.uk/export-date/1815-1824/ (accessed 6 December 2022).
- Lord, J. and Southam, J. 1983. *The Floating Harbour: A Landscape History of the Bristol City Docks.* Bristol: Redcliffe Press.
- Mason, C. 2017. 'Barton Hill Pottery and the post-medieval redware industry in Bristol', *Post-Medieval Archaeology* 51/1, 108–31.
- MOLA 2016. Principal Place (Commercial), Worship Street, London, EC2, London Borough of Hackney: post-excavation assessment. London, unpublished report.
- Nabb, H. 1987. *The Bristol Gas Industry 1815–1949.* Bristol: Bristol Branch of the Historical Association.
- Pearson, S. 2022 A History of the Harris & Pearson Families https://www.harrisandpearson.info/stbrindustry.htm (accessed 11 May 2022).
- RemedX 1998. *Final Report: building recording and archaeological assessment of Cannons Marsh Gasworks, Bristol.* Bristol: unpublished report. https://maps.bristol.gov.uk/knowyourplace/arch\_reports/3339.pdf (accessed 3 March 2023.
- RemedX 2005. Cannons Marsh Gasworks, Bristol: archaeological watching brief excavation report. Bristol: unpublished report. https://maps.bristol.gov.uk/knowyourplace/arch\_reports/4072.pdf (accessed 3 March 2023.
- RSK 2019. Plot 1, *Silverthorne Lane, Bristol: factual ground investigation report.* Bristol: unpublished report ref. 314488 R02 (00).
- Sallery, D. 2022a. *Perrens & Harrison, Stourbridge*. https://www.brocross.com/Bricks/Penmorfa/Pages/england18.htm#:~:text=Perrens%20%2 6%20Harrison%2c%20Stourbridge (accessed 5 December 2022).
- Sallery, D. 2022b. Burn Fireclay Co. https://www.brocross.com/Bricks/Penmorfa/Pages/england4b.htm#:~:text=Burn%20Firecl ay%20Co. (accessed 6 December 2022).
- SMA 1993. Selection, Retention and Dispersal of Archaeological Collections. Society of Museum Archaeologists.
- SMA 1995. Towards an Accessible Archaeological Archive. Society of Museum Archaeologists.



- Thomas, R. 2013. The History and Operation of Gasworks (Manufactured Gas Plants). Bristol.
- Wessex Archaeology 2019. Silverthorne Lane, Gas Lane and Avon Street, St Philip's Marsh, Bristol: heritage statement. Salisbury: unpublished report ref. 223260.01.
- Wessex Archaeology 2020. Silverthorne Lane, Gas Lane and Avon Street, St Philip's Marsh, Bristol: archaeological desk-based assessment. Salisbury: unpublished report ref. 223260.01.
- Wessex Archaeology 2021a. Temple Quarter Enterprise Campus Hub, Avon Street, St Philip's Marsh, Bristol: written scheme of investigation for an archaeological watching brief. Bristol: unpublished report ref. 223261.2.
- Wessex Archaeology 2021b. *Kingsdown House and 1–3 Unity Street, Old Market, Bristol: archaeological evaluation*. Bristol: unpublished report ref. 230750.2.
- Wessex Archaeology 2022a. Bristol Gas Light Company Retort House and Coal Store, 65–71 Avon Street, St Philip's Marsh, Bristol: historic building record. Bristol: unpublished report ref. 223263.1.
- Wessex Archaeology 2022b. Plot 3 Bedminster Green, Dalby Avenue and Whitehouse Lane, Bedminster, Bristol: post-excavation assessment and updated project design. Bristol: unpublished report ref. 253160.2.
- West Country Bottles 2022. Index of Bristol Soft Water Companies. http://westcountrybottles.co.uk/mike4/P15.html (accessed 7 April 2022).

 Wilkinson, K., Jones, B., and Meara, R. 2013. Distribution and Significance of Urban Waterlogged Deposits in Bristol. Cirencester: Cotswold Archaeology. https://historicengland.org.uk/research/results/reports/6991/TheDistributionandSignificanc eofUrbanWaterloggedDepositsinBristol (accessed 1 December 2022).

### APPENDICES

#### **Appendix 1 Context summary**

Context Number	Туре	Category	Fill of/Filled With
1000	Masonry	Floor surface	n/a
Concrete floor. 0.1	m thick.		
1001	Layer	Bedding layer	n/a
Dark red fine to co	arse angular gravel.		
1002	Masonry	Floor surface	n/a
Constructed from a	small rectangular san	dstone cobbles, bonded with hard	dark grey lime mortar. Maximum thickness
0.1 m.			
1003	Layer	Bedding layer	n/a
Very dark grey cor	mpact sand, clinker, a	sh and mortar with frequent sand a	and fine gravel sized flecks of lime, brick,
clinker, and stone	inclusions.		
1004	Layer	Made ground	n/a
Pink mortar, sand,	and fine to medium b	prick and stone gravel with frequen	t flecks of lime.
1005	Masonry	Wall	n/a
Aligned North-east	t / south-west with str	aight sides and an unknown base.	Constructed from sandstone and bonded
with dark grey lime	e mortar.		
1006	Masonry	Flue	n/a
Access chamber in	nto underground flue.	Constructed from yellow firebricks	, with plate iron capping. Bonded with pink
lime mortar and re	d sand. Maximum he	ight: >2.2 m.	
1007	Masonry	Floor surface	n/a

Context Number Type	Category	Fill of/Filled With
Concrete floor 0.1 m thick	Calegory	
	Flue	n/a
North-east to south-west aligned up	deraround flue with straight s	ides and an unknown base. Constructed from
firebricks with iron plate capping.	Ronded with red sand and nin	k lime mortar with lime, sand, and fine gravel
inclusions Maximum beight: 2.2 m	bonded with red sand, and pin	k line mortar with line, sand, and line graver
1009 Masonry	Eloor surface	n/a
Constructed from fireclay paying st	abs bonded with grey lime mo	ntar Maximum thickness 0.11 m
Constructed from fireglow powing al	Floor surface	IVa vrtar Maximum thiskness 0.11 m
Constructed from meciay paving si		
Notel fixture of upportain purpose in	Fixture	1//a
Notel fixture of upportain purpose in	Fixture	1//a
		n la
Concrete floor 0.1 m thick	Floor surface	nva
Concrete floor 0.1 m thick	Floor surface	n/a
	<b>F</b> ILLE	
1015 Masonry		n/a
North-east to south-west aligned up	aviation beight 2 m	ides and an unknown base. Constructed from yellow
firebricks, bonded with red sand. M	aximum neight: 2 m.	
1016 Masonry	Building	n/a
North-east to south-west aligned bi	aliding inside the coal store. C	onstructed from concrete and machine-made bricks,
bonded with Portland cement. Cera	imic drains embedded in the fi	00r.
1017 Masonry	Floor surface	n/a
Concrete floor. 0.2 m thick.		-
1018 Metal	Pipe	n/a
North-east to south-west aligned ca	ast iron pipe.	
1019 Masonry	Floor surface	n/a
Constructed from large square fired	lay slabs, bonded with grey lir	ne mortar. Maximum thickness 0.11 m.
1020 Masonry	Floor surface	n/a
Constructed from sandstone setts,	bonded with grey lime mortar.	Maximum height: Maximum thickness 0.14 m.
1021 Masonry	Access hole	1075
Aligned east-west. Constructed from	n brick and bonded with Portla	and cement.
1022 Masonry	Foundation	n/a
Linear wall foundation aligned north	n-east to south-west with straig	ht sides. Constructed from Pennant Sandstone and
bonded with grey lime mortar. Max	mum height: 1 m.	
1023 Masonry	Flue	n/a
Access hole at south-west terminus	s of underground flue. Constru	cted from yellow firebricks and capped with two large
interlocking fireclay slabs, bonded	with lime mortar.	
1024 Masonry	Flue	n/a
Opening into north-west end of unc	lerground flue. Aligned north-e	east to south-west with straight sides and an unknown
base. Constructed from yellow fire	pricks bonded with red sand ar	nd white lime mortar. Maximum height: 1 m.
1025 Masonry	Flue	n/a
Opening into north-west end of unc	lerground flue. Aligned North-e	east to south-west with straight sides and an
unknown base. Constructed from y	ellow firebricks. Maximum heig	ght: >1 m.
1026 Masonry	Drain	1075
Modern ENE-WSW aligned drainpi	pe encased in concrete.	
1027 Masonry	Floor surface	n/a
Concrete floor. Maximum thickness	:: 0.20 m.	
1028 Layer	Layer	n/a
Blackish brown cinders (80%) and	sand.	
1029 Masonry	Structure	1030
Rectangular north-west to south-ea	st aligned structure of unknow	n purpose. Constructed from a single layer of red
bricks bonded with lime mortar. Ma	ximum height: 0.1 m.	
1030 Cut	Construction cut	1029, 1034, 1041
Rectangular construction cut for str	ucture 1029, with vertical, stra	ight sides and a flat base.

		-	
Context Number	Туре	Category	Fill of/Filled With
1031	Layer	Made ground	n/a
Mixed clay, cinder	s, and mortar.		
1032	Layer	Bedding layer	1030
Grey clay with more	rtar and sandstone fra	gments.	
1033	Layer	Deliberate backfill	n/a
Black cinders with	sandstone fragments		
1034	Laver	Deliberate backfill	1030
Dark grev sand, si	It. and clinker. infilling	structure 1029.	
1035	Fill	Deliberate backfill	1038
Reddish brown silt	v sand with occasiona	al mortar fragments, and rare cinder	S
1036	laver	Made ground	n/a
Grevish black clav	with mortar flecks	inade greana	174
1027		Made ground	nla
Dark grov silty can	Layer d clinkor with brick ti	ile slag and stone rubble inclusions	11//a
1020			1035
North cost to could	Cui h west sligned out slo	FIL ng north west side of soal store. Do	1055
Width 1.5 m Don	the 0.9 m	ng nonn-west side of coal store. Fo	ssible underpinning trench. Length. >1 m.
width. 1.5 m. Dep	un. 0.8 m.		1010
1039	Cut	Pit	
North-east to south	n-west aligned cut alo	ng the north-west side of the coal st	ore. Possible underpinning trench. Length:
>1 m. Width: 1.50	m. Depth: 0.80 m.		
1040	Fill	Deliberate backfill	1039
Broken ceramic 19	h/20th-century Doub	le Roman roof tiles (75%) mixed wit	h black silty sand.
1041	Layer	Layer	n/a
Spread of white lin	ne mortar		
1042	Masonry	Floor surface	n/a
Constructed from a	sandstone setts and b	onded with pale grey lime mortar. M	laximum thickness: 0.15 m.
1043	Masonry	Wall foundation	n/a
Linear wall founda	tion aligned north-eas	t to south-west with straight sides a	nd a flat base. Constructed from
sandstone rubble a	and bonded with pale	pinkish brown lime mortar. Maximul	n height: 0.8 m.
1011	•	•	
1044	Fill	Deliberate backfill	1045
1044 Mid grevish brown	Fill silty sand with abund	Deliberate backfill ant broken ceramic 19th/20th-centu	<b>1045</b> ry Double Roman roof tiles. Large angular
1044 Mid greyish brown sandstone boulder	Fill silty sand with abund s in lower down.	<b>Deliberate backfill</b> ant broken ceramic 19th/20th-centu	<b>1045</b> ry Double Roman roof tiles. Large angular
1044 Mid greyish brown sandstone boulder 1045	Fill silty sand with abund s in lower down.	Deliberate backfill ant broken ceramic 19th/20th-centu Pit	1045 ry Double Roman roof tiles. Large angular
1044 Mid greyish brown sandstone boulder 1045 Rectangular north	Fill silty sand with abund s in lower down. Cut ceast to south-west ali	Deliberate backfill ant broken ceramic 19th/20th-centu Pit aned with vertical straight sides. Let	1045 ry Double Roman roof tiles. Large angular 1044 noth: 6.3 m. Width: 1.5 m. Depth: 0.8 m.
1044 Mid greyish brown sandstone boulder 1045 Rectangular north-	Fill silty sand with abund s in lower down. Cut east to south-west ali	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Le	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m.
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Ler Made ground	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Let Made ground non angular stone and gravel	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Let Made ground non angular stone and gravel Flue	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from vollow firebricks
1044 Mid greyish brown sandstone boulder 1045 Rectangular north 1046 Dark brownish gre 1047 Underground north	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a pad and pickish limo of	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Let Made ground non angular stone and gravel Flue nd north-east to south-west aligned	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a n/a flue. Constructed from yellow firebricks,
1044 Mid greyish brown sandstone boulder 1045 Rectangular north 1046 Dark brownish gre 1047 Underground north bonded with red sa	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime r	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Let Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar.	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from yellow firebricks,
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime m Masonry	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Let Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from yellow firebricks, n/a
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-west	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Let Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-west and bonded with grey	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lee Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n.
1044 Mid greyish brown sandstone boulder 1045 Rectangular north 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-west and bonded with grey Layer	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lee Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a
1044 Mid greyish brown sandstone boulder 1045 Rectangular north 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-west and bonded with grey Layer thite clinker, ash, and	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lee Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime.	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a
1044 Mid greyish brown sandstone boulder 1045 Rectangular north 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-west and bonded with grey Layer thite clinker, ash, and Fill	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lee Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a 1051
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime m Masonry tion aligned north-west and bonded with grey Layer thite clinker, ash, and Fill kish brown lime morta	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lee Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 m Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker,	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink inclusions.	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comn Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-wes and bonded with grey Layer thite clinker, ash, and Fill kish brown lime morta	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Ler Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker,	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink inclusions. 1051	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime m Masonry tion aligned north-west and bonded with grey Layer thite clinker, ash, and Fill kish brown lime morta	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lea Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker, Robber cut	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble 1050
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink inclusions. 1051 Linear robber cut a	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-west and bonded with grey Layer hite clinker, ash, and Fill kish brown lime morta Cut aligned north-east to s	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lea Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker, Robber cut south-west with vertical, straight side	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from yellow firebricks, n/a n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble 1050 ss and a flat base. Length: >1.20 m. Width:
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink inclusions. 1051 Linear robber cut a >0.40 m. Depth: 0.	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime m Masonry tion aligned north-west and bonded with grey Layer thite clinker, ash, and Fill kish brown lime morta Cut aligned north-east to s .50 m.	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lea Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker, Robber cut south-west with vertical, straight sides	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a n/a flue. Constructed from yellow firebricks, n/a n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble 1050 as and a flat base. Length: >1.20 m. Width:
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink inclusions. 1051 Linear robber cut a >0.40 m. Depth: 0.	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-west and bonded with grey Layer hite clinker, ash, and Fill kish brown lime morta Cut aligned north-east to s .50 m. Masonry	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lea Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker, Robber cut south-west with vertical, straight sides	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a n/a flue. Constructed from yellow firebricks, n/a n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble 1050 es and a flat base. Length: >1.20 m. Width: n/a
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink inclusions. 1051 Linear robber cut a >0.40 m. Depth: 0. 1052 Linear wall founda	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-west and bonded with grey Layer thite clinker, ash, and Fill kish brown lime morta Cut aligned north-east to s .50 m. Masonry tion aligned north-east	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lea Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation at to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker, Robber cut south-west with vertical, straight side Foundation at to south-west and south-east to not	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble 1050 es and a flat base. Length: >1.20 m. Width: n/a prth-west with straight sides and an
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink inclusions. 1051 Linear robber cut a >0.40 m. Depth: 0 1052 Linear wall founda unknown base. Co	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-west and bonded with grey Layer thite clinker, ash, and Fill kish brown lime morta Cut aligned north-east to s .50 m. Masonry tion aligned north-east sonstructed from sands	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lee Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker, Robber cut south-west with vertical, straight side Foundation tt to south-west and south-east to not tone and bonded with pinkish browr	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble 1050 es and a flat base. Length: >1.20 m. Width: n/a orth-west with straight sides and an n lime mortar. Maximum height: >0.05 m.
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink inclusions. 1051 Linear robber cut a >0.40 m. Depth: 0 1052 Linear wall founda unknown base. Co	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-west and bonded with grey Layer thite clinker, ash, and Fill kish brown lime morta Cut aligned north-east to s 50 m. Masonry tion aligned north-east so structed from sands Layer	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lee Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker, Robber cut south-west with vertical, straight side Foundation tt to south-west and south-east to no tone and bonded with pinkish browr Made ground	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble 1050 es and a flat base. Length: >1.20 m. Width: n/a orth-west with straight sides and an n lime mortar. Maximum height: >0.05 m. n/a
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink inclusions. 1051 Linear robber cut a >0.40 m. Depth: 0 1052 Linear wall founda unknown base. Co	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry n-west to south-east a and and pinkish lime n Masonry tion aligned north-west and bonded with grey Layer thite clinker, ash, and Fill kish brown lime morta Cut aligned north-east to s 50 m. Masonry tion aligned north-east sonstructed from sands Layer n and dark red sand. s	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lee Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker. Robber cut south-west with vertical, straight side Foundation it to south-west and south-east to no tone and bonded with pinkish browr Made ground silty sand, clinker and ash with com	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble 1050 ses and a flat base. Length: >1.20 m. Width: n/a orth-west with straight sides and an n lime mortar. Maximum height: >0.05 m. n/a mon angular stone and sub-angular clinker
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink inclusions. 1051 Linear robber cut a >0.40 m. Depth: 0. 1052 Linear wall founda unknown base. Co 1053 Dark greyish brow and slag	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry h-west to south-east a and and pinkish lime r Masonry tion aligned north-west and bonded with grey Layer thite clinker, ash, and Fill kish brown lime morta Cut aligned north-east to s .50 m. Masonry tion aligned north-east sonstructed from sands Layer n and dark red sand, s	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lee Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker, Robber cut south-west with vertical, straight side Foundation at to south-west and south-east to no tone and bonded with pinkish browr Made ground silty sand, clinker and ash with com	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble 1050 es and a flat base. Length: >1.20 m. Width: n/a porth-west with straight sides and an n lime mortar. Maximum height: >0.05 m. n/a mon angular stone and sub-angular clinker
1044 Mid greyish brown sandstone boulder 1045 Rectangular north- 1046 Dark brownish gre 1047 Underground north bonded with red sa 1048 Linear wall founda sandstone rubble a 1049 Black, grey, and w 1050 Dark grey and pink inclusions. 1051 Linear robber cut a >0.40 m. Depth: 0. 1052 Linear wall founda unknown base. Co 1053 Dark greyish brow and slag	Fill silty sand with abund s in lower down. Cut east to south-west ali Layer y silty sand with comm Masonry h-west to south-east a and and pinkish lime n Masonry tion aligned north-west and bonded with grey Layer thite clinker, ash, and Fill kish brown lime morta Cut aligned north-east to s 50 m. Masonry tion aligned north-east sonstructed from sands Layer n and dark red sand, s	Deliberate backfill ant broken ceramic 19th/20th-centu Pit gned with vertical straight sides. Lee Made ground non angular stone and gravel Flue nd north-east to south-west aligned nortar. Foundation st to south-east with straight sides a lime mortar. Maximum height: 0.1 n Made ground lime. Deliberate backfill r lumps, mixed with ash and clinker, Robber cut south-west with vertical, straight side Foundation at to south-west and south-east to no tone and bonded with pinkish browr Made ground silty sand, clinker and ash with com	1045 ry Double Roman roof tiles. Large angular 1044 ngth: 6.3 m. Width: 1.5 m. Depth: 0.8 m. n/a flue. Constructed from yellow firebricks, n/a nd an unknown base. Constructed from n. n/a 1051 with common angular stone rubble 1050 es and a flat base. Length: >1.20 m. Width: n/a porth-west with straight sides and an n lime mortar. Maximum height: >0.05 m. n/a mon angular stone and sub-angular clinker

Context Number	туре	Category	Fill of/Filled With
Linear east-west a	aligned underground f	lue with straight sides and a flat bas	e. Constructed from firebricks, bonded with
red sand and whit	e lime mortar.		
1055	Masonry	Floor surface	n/a
Red concrete floo	r.		
1056	Masonry	Foundation	n/a
Linear north-east	to south-west aligned	wall foundation. Constructed from s	andstone and bonded with white lime
mortar	to obtain woot angriod		
1057	Masonry	Access hole	1058
Postangular accor	wasoniy se bolo with straight si	Access note	handed with Portland compart Maximum
hoight: > 0.08 m	ss note with straight s	ides. Constructed from fed blick and	bonded with Fortiand cement. Maximum
	<b>C</b> 1.14	Construction out	4057
1058			1057
Rectangular cons	ruction cut for access		
1059	Masonry	Floor surface	n/a
Constructed from	un-mortared sandstor	ne setts.	
1060	Masonry	Drain	1062
Linear north-east	to south-west aligned	drain with straight sides and a flat b	ase. Constructed from brick with
sandstone capsto	nes, all bonded with g	rey lime mortar. Maximum height: 0	.7 m.
1061	Masonry	Drain	n/a
L-shaped drain wi	th straight sides and a	a flat base. Constructed from sandst	one and bonded with grey lime mortar.
1062	Cut	Drain	1060, 1063
Linear drain aligne	ed north-east to south	-west with vertical, straight sides an	d a flat base.
1063	Fill	Deliberate backfill	1062
Dark grevish brow	n silty sand	Denberate Backini	1002
	Maconny	Floor ourfood	nla
1004 Constructed with	WIdSUIII y		11/a
			1
1066	Masonry	Floor surface	n/a
Constructed from	red brick and yellow f	irebrick, bonded with grey lime mort	ar.
1067	Masonry	Floor surface	n/a
Constructed from	red bricks and bonde	d with grey silty mortar. Maximum he	eight: 0.08 m.
1068	Masonry	d with grey silty mortar. Maximum he Floor surface	eight: 0.08 m. <b>n/a</b>
Constructed from         1068         Constructed from	red bricks and bonder Masonry red bricks and bonder	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar.	eight: 0.08 m. n/a
Constructed from1068Constructed from1069	red bricks and bonder Masonry red bricks and bonder Masonry	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface	n/a
Constructed from1068Constructed from1069Concrete floor.	red bricks and bonder Masonry red bricks and bonder Masonry	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface	n/a
Constructed from1068Constructed from1069Concrete floor.	red bricks and bonder Masonry red bricks and bonder Masonry	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface	n/a n/a
Constructed from1068Constructed from1069Concrete floor.1070	red bricks and bonder Masonry red bricks and bonder Masonry Masonry	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface Floor surface	n/a n/a
Constructed from         1068         Constructed from         1069         Concrete floor.         1070         Constructed from	red bricks and bonder Masonry red bricks and bonder Masonry Masonry red bricks, bonded wi	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface Floor surface th grey lime mortar.	n/a n/a n/a
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071	red bricks and bonder Masonry red bricks and bonder Masonry Masonry red bricks, bonded wi Masonry	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface Floor surface th grey lime mortar. Floor surface	n/a n/a n/a n/a
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from	red bricks and bonder Masonry red bricks and bonder Masonry Masonry red bricks, bonded wi Masonry un-mortared limeston	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface Floor surface th grey lime mortar. Floor surface e slabs.	n/a n/a n/a n/a n/a
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072	red bricks and bonder Masonry red bricks and bonder Masonry Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface Floor surface th grey lime mortar. Floor surface e slabs. Floor surface	n/a n/a n/a n/a n/a
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface Floor surface th grey lime mortar. Floor surface e slabs. Floor surface ed with dark grey lime mortar	n/a n/a n/a n/a n/a n/a
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface Floor surface th grey lime mortar. Floor surface e slabs. Floor surface ed with dark grey lime mortar.	n/a n/a n/a n/a n/a n/a
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073 Constructed from	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry bricks, and bonded wi	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface th grey lime mortar. Floor surface e slabs. Floor surface ed with dark grey lime mortar. Floor surface th grey lime mortar.	n/a n/a n/a n/a n/a n/a n/a
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073 Constructed from	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry bricks and bonded without the setter bricks and bonded without	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface Floor surface th grey lime mortar. Floor surface e slabs. Floor surface ed with dark grey lime mortar. Floor surface th grey lime mortar. Ploor surface ad with dark grey lime mortar. Floor surface ad with dark grey lime mortar. Construction of the second	n/a n/a n/a n/a n/a n/a n/a
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073 Constructed from 1075	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry bricks and bonded wi Cut	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface th grey lime mortar. Floor surface e slabs. Floor surface ed with dark grey lime mortar. Floor surface th grey lime mortar. Floor surface th grey lime mortar. Construction cut Widdha d are	n/a n/a n/a n/a n/a n/a n/a 1021, 1026
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073 Constructed from 1075 Linear constructio	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry bricks and bonded wir Cut n cut. Length: >7.2 m	d with grey silty mortar. Maximum he Floor surface d with grey silty mortar. Floor surface th grey lime mortar. Floor surface e slabs. Floor surface ed with dark grey lime mortar. Floor surface th grey lime mortar. Construction cut . Width: 1.1 m.	n/a n/a n/a n/a n/a n/a n/a 1021, 1026
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073 Constructed from 1075 Linear constructio 1076	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry bricks and bonded wir Cut n cut. Length: >7.2 m Masonry	d with grey silty mortar. Maximum he         Floor surface         d with grey silty mortar.         Floor surface         th grey lime mortar.         Floor surface         e slabs.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         th grey lime mortar.         Construction cut         . Width: 1.1 m.         Access hole	n/a n/a n/a n/a n/a n/a n/a 1021, 1026 1077
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073 Constructed from 1075 Linear constructio 1076 Rectangular acces	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry bricks and bonded wir Cut n cut. Length: >7.2 m Masonry ss hole with straight s	d with grey silty mortar. Maximum he         Floor surface         d with grey silty mortar.         Floor surface         th grey lime mortar.         Floor surface         e slabs.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         th grey lime mortar.         Construction cut         . Width: 1.1 m.         Access hole         ides and a flat base. Constructed from	n/a n/a n/a n/a n/a n/a n/a n/a 1021, 1026 1077 m concrete and brick, bonded with
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073 Constructed from 1075 Linear constructio 1076 Rectangular acces Portland cement.	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry bricks and bonded wir Cut n cut. Length: >7.2 m Masonry ss hole with straight st Maximum height: 0.9	d with grey silty mortar. Maximum he         Floor surface         d with grey silty mortar.         Floor surface         th grey lime mortar.         Floor surface         e slabs.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         th grey lime mortar.         Construction cut         . Width: 1.1 m.         Access hole         ides and a flat base. Constructed from.	n/a n/a n/a n/a n/a n/a n/a 1021, 1026 1077 pm concrete and brick, bonded with
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073 Constructed from 1075 Linear constructio 1076 Rectangular acces Portland cement. 1077	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry bricks and bonded wir Cut n cut. Length: >7.2 m Masonry ss hole with straight si Maximum height: 0.9 Cut	d with grey silty mortar. Maximum he         Floor surface         d with grey silty mortar.         Floor surface         th grey lime mortar.         Floor surface         e slabs.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         th grey lime mortar.         Construction cut         . Width: 1.1 m.         Access hole         ides and a flat base. Constructed from.         Construction cut	aight: 0.08 m.         n/a         n/a         n/a         n/a         n/a         1021, 1026         1077         om concrete and brick, bonded with         1076
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073 Constructed from 1075 Linear constructio 1076 Rectangular acces Portland cement. 1077 Rectangular const	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry bricks and bonded wir Cut n cut. Length: >7.2 m Masonry ss hole with straight si Maximum height: 0.9 Cut truction cut with vertic	d with grey silty mortar. Maximum he         Floor surface         d with grey silty mortar.         Floor surface         th grey lime mortar.         Floor surface         e slabs.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         th grey lime mortar.         Construction cut         Width: 1.1 m.         Access hole         ides and a flat base. Constructed from.         Construction cut         al, straight sides and a flat base. Leader	aught: 0.08 m.         n/a         n/a         n/a         n/a         n/a         1021, 1026         1077         om concrete and brick, bonded with         1076         ngth: >2.6 m. Width: 3.15 m. Depth: 0.9 m.
Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073 Constructed from 1075 Linear constructio 1076 Rectangular acces Portland cement. 1077 Rectangular const 1078	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry bricks and bonded wir Cut n cut. Length: >7.2 m Masonry ss hole with straight si Maximum height: 0.9 Cut truction cut with vertic Masonry	d with grey silty mortar. Maximum he         Floor surface         d with grey silty mortar.         Floor surface         th grey lime mortar.         Floor surface         e slabs.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         th grey lime mortar.         Construction cut         Width: 1.1 m.         Access hole         ides and a flat base. Constructed from.         Construction cut         al, straight sides and a flat base. Lea         Floor surface	n/a n/a n/a n/a n/a n/a 1021, 1026 1077 om concrete and brick, bonded with 1076 ngth: >2.6 m. Width: 3.15 m. Depth: 0.9 m. n/a
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Constructed from 1068 Constructed from 1069 Concrete floor. 1070 Constructed from 1071 Constructed from 1072 Constructed from 1073 Constructed from 1075 Linear constructio 1076 Rectangular acces Portland cement. 1077 Rectangular const 1078 Constructed from 1079 Concrete floor. 1080 Constructed from 1081 Drain Constructed from	red bricks and bonder Masonry red bricks and bonder Masonry red bricks, bonded wi Masonry un-mortared limeston Masonry sandstone setts bond Masonry bricks and bonded wi Cut n cut. Length: >7.2 m Masonry ss hole with straight si Maximum height: 0.9 Cut truction cut with vertic Masonry bricks and cobbles ar Masonry bricks and cobbles ar Masonry bricks and cobbles ar Masonry sandstone setts bond Masonry	d with grey silty mortar. Maximum he         Floor surface         d with grey silty mortar.         Floor surface         th grey lime mortar.         Floor surface         e slabs.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         ed with dark grey lime mortar.         Floor surface         th grey lime mortar.         Construction cut         Width: 1.1 m.         Access hole         ides and a flat base. Constructed from         m.         Construction cut         al, straight sides and a flat base. Lee         Floor surface         ad bonded with grey lime mortar.         Floor Surface         ed with pinkish grey lime mortar. Max         Drain	aight: 0.08 m.         n/a         n/a         n/a         n/a         n/a         n/a         1021, 1026         1077         om concrete and brick, bonded with         1076         ngth: >2.6 m. Width: 3.15 m. Depth: 0.9 m.         n/a         n/a         n/a         n/a         n/a

Context Number	Туре	Category	Fill of/Filled With
1082	Group	Floor surface	n/a
Brick and sandstor	ne sett floor within the	coal store, probably laid during the	late 1850s.
Group component	s: 1072,1009,1070,10	59,1010,1067,1073,1071,1042,100	2,1019,1003,1014,1020,1066,1080
1083	Group	Retort house	n/a
Gasworks retort he	ouse, constructed of s	tone in 1821. Lean-to structures on	north-east, north-west, and south-east
sides (group 1085	and 4040) are probab	oly contemporary.	
	<i>,</i> ,		
Group component	s: 4023,4048,4036,10	05,3031,4056	
1084	Group	Flue	n/a
Underground brick	flue in coal store, pro	bably constructed in the late 1850s	. Cuts demolished lean-to coal store
(group 1085).	•	-	
Group component	s: 1024,1015,1025,10	08,1006,1023	
1085	Group	Foundation	n/a
Wall foundations for	or lean-to coal stores,	probably constructed in 1821.	
Group component	s: 1043,1022,1048,10	56,1052	
1086	Group	Floor surface	n/a
Early/mid-20th-cer	ntury concrete repairs	to coal store floor (group 1082).	
Group components	s: 1064,1007,1079,10	13,1027,1069,1017	
1087	Group	Flue	n/a
Underground brick	flue from north-west	range of the retort house to chimne	y at the north-east end of coal store. Cut
by access hole 10	58.		
Group components	s: 1089,1047		
1088	Group	Drain	n/a
Stone-lined drain i	n coal store. Mid/late	19th century.	
Group components	s: 1060, 1061, 1062		
1089	Cut	Construction cut	n/a
Linear construction	n cut aligned north-we	est to south-east with vertical, straig	ht sides. Length: >4.4 m. Width: >1.8 m.
Depth: 1 m.			
1090	Fill	Deliberate backfill	1089
Dark red sand with	n frequent lumps of pi	nk and white lime mortar.	
1091	Group	Made ground	n/a
Made ground belo	w coal store. Probably	y deposited in 1821.	
Group component	s: 1037, 1053		
2000	Masonry	Floor Surface	n/a
Reinforced concre	te floor. Maximum thie	ckness: 0.14 m.	
2001	Layer	Bedding layer	n/a
Reddish brown an	gular gravel.		
2002	Masonry	Floor surface	n/a
Yard surface. Con	structed from un-mort	ared sandstone setts. Maximum thi	ckness: 0.19 m.
2003	Layer	Bedding layer	n/a
Mid grey lime mort	tar with abundant clin	ker inclusions.	
2004	Layer	Made ground	n/a
Black ash and clin	ker with sparse coppe	er slag inclusions.	
2005	Layer	Made ground	n/a
Dark red and black	< sandy clay and grav	el with abundant brick fragments.	
2006	Metal	Pipe	2007
NNW-SSE aligned	l, 800 mm diameter, c	ast iron gas pipe.	
2007	Cut	Pipe trench	2006, 2008, 2029
Linear north-south	aligned pipe trench v	vith vertical, straight sides. Length: >	>2 m. Width: >0.8 m. Depth: >0.7 m.
	• • •		
2008	Fill	Deliberate backfill	2007

( 'optovt Number	Turne	Catagony	Fill of/Fillod With
	Type	Category	
		<b>D</b>	
2009	Metal	Pipe	n/a
North-east to sout	h-west aligned, 40 mm	n diameter, lead water pipe.	
2010	Metal	Pipe	2011
East-west aligned	, 100 mm diameter, ca	st iron gas or water pipe.	
2011	Cut	Pipe trench	2010
Linear east-west a	aligned pipe trench with	n vertical, straight sides and a conca	ave base. Length: >1.70 m. Width: 0.50 m.
Depth: 0.50 m.			
2012	Fill	Deliberate backfill	2011
Grev. black and p	ale brown sand, morta	r. clinker, and slag with frequent fine	e to coarse gravel sized stones and clinker
2013	Masonry	Structure	2014
Rectangular struc	ture aligned north-east	to south-west with straight sides ar	ad a flat base. Constructed from concrete
and brick bonded	with Portland coment	Maximum beight: 0.45 m	
		Construction out	2012 2015
ZU14 Dector gular conc	Cul truction out oligned not	Construction cut	2013, 2015
Rectangular cons		in-east to south-west with straight s	
2015	FIII	Deliberate backfill	2014
Dark brown comp	act sand.		
2016	Layer	Demolition layer	n/a
Grey sandy silt wi	th abundant angular br	rick, stone, and concrete rubble incl	usions.
2017	Metal	Pipe	n/a
NNW-SSE aligned	d, 80 mm diameter, lea	ld water pipe.	
2018	Metal	Pipe	n/a
NNW-SSE aligned	1 80 mm diameter, lea	id water pipe.	
2010	Masonry	Weighbridge	n/a
Pectangular north	Nason y	meignbridge anod structure with straight sides ar	ula ad a flat hase. Constructed from sandstone
(aidea) and brick (	Hearly bandod with bla	Sheah mortor. Movimum height: 0./	
			+5 m.
2021	Metal	Pipe	2022
North-east to sour	h-west aligned, 100 m	m diameter iron water, gas, or tuer p	pipe.
2022	Cut	Pipe trench	2021
Linear utility trenc	h aligned N-S with stee	ep, straight sides and an irregular / u	undulating base.
2023	Fill	Deliberate backfill	2022
Dark grevish brow	n slit loam with brick a	nd stone inclusions.	
			nla
2024	Metal	Pipe	n/a
<b>2024</b> Linear gas pipe al	Metal igned NW to SE with s	<b>Pipe</b> traight sides and a concave base. C	Constructed from iron.
2024 Linear gas pipe al 2025	Metal igned NW to SE with s Masonrv	Pipe traight sides and a concave base. ( Wall	Constructed from iron.
2024 Linear gas pipe al 2025	Metal igned NW to SE with s Masonry 1 NW to SF with straig	Pipe traight sides and a concave base. ( Wall ht sides and an irregular / undulatin	Constructed from iron. n/a g base. Constructed from brick and
2024 Linear gas pipe al 2025 Linear wall aligned	Metal igned NW to SE with s Masonry d NW to SE with straig	Pipe traight sides and a concave base. ( Wall ht sides and an irregular / undulatin r. Maximum beight: 0.37 m	Constructed from iron. n/a g base. Constructed from brick and
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis	Metal igned NW to SE with s Masonry d NW to SE with straig h grey silty lime morta	Pipe traight sides and a concave base. ( Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m.	Donstructed from iron. n/a g base. Constructed from brick and
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe	n/a g base. Constructed from brick and
2024 Linear gas pipe al 2025 Linear wall aligner bonded with whitis 2026 North-east to sout	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe.	n/a g base. Constructed from brick and n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall	n/a n/a n/a n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor	n/a n/a n/a n/a n/a n/a n/a n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar.	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor	n/a n/a n/a n/a n/a n/a n/a n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable	n/a n/a n/a n/a n/a n/a n/a n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable rric cable.	n/a n/a n/a n/a n/a n/a n/a n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable rric cable. Pipe	n/a n/a n/a n/a n/a n/a n/a n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry 1, 800 mm diameter, ca	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable rric cable. Pipe ast iron gas pipe.	In/a         g base. Constructed from brick and         n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned 2030	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry 1, 800 mm diameter, ca Masonry	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable rric cable. Pipe ast iron gas pipe. Wall foundation	n/a g base. Constructed from brick and n/a n/a n/a nstructed from stone and bonded with grey n/a n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned 2030 Curving WNW-ES	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry 1, 800 mm diameter, ca Masonry E to NW-SE sandston	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin- ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable tric cable. Pipe ast iron gas pipe. Wall foundation e wall foundation	In/a         g base. Constructed from brick and         n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned 2030 Curving WNW-ES	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry 1, 800 mm diameter, ca Masonry E to NW-SE sandston Masonry	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin- ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable ric cable. Pipe ast iron gas pipe. Wall foundation e wall foundation. Elocr surface	In/a         n/a         g base. Constructed from brick and         n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned 2030 Curving WNW-ES 2031 External payment	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry 1, 800 mm diameter, ca Masonry E to NW-SE sandston Masonry E to NW-SE sandston	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin- ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable tric cable. Pipe ast iron gas pipe. Wall foundation e wall foundation. Floor surface Indetana and hondod with area	In/a         g base. Constructed from brick and         n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned 2030 Curving WNW-ES 2031 External pavemen	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry d, 800 mm diameter, ca Masonry E to NW-SE sandston Masonry it. Constructed from sa	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin- ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable rric cable. Pipe ast iron gas pipe. Wall foundation e wall foundation. Floor surface indstone setts and bonded with grey	In/a         n/a         g base. Constructed from brick and         n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned 2030 Curving WNW-ES 2031 External pavemer 2032	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry d, 800 mm diameter, ca Masonry E to NW-SE sandston Masonry it. Constructed from sa Metal	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable rric cable. Pipe ast iron gas pipe. Wall foundation e wall foundation. Floor surface indstone setts and bonded with grey Iron kerb	In/a         n/a         g base. Constructed from brick and         n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned 2030 Curving WNW-ES 2031 External pavemer 2032 Curvilinear iron ke	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry d, 800 mm diameter, ca Masonry E to NW-SE sandston Masonry it. Constructed from sa Metal rb aligned NW-SE to N	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin- ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable ric cable. Pipe ast iron gas pipe. Wall foundation e wall foundation. Floor surface undstone setts and bonded with grey Iron kerb N-S, with straight sides and a flat ba	In/a         Constructed from iron.         n/a         g base. Constructed from brick and         n/a         see. Maximum height: >0.10 m.
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned 2030 Curving WNW-ES 2031 External pavemen 2032 Curvilinear iron ke 2033	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry d, 800 mm diameter, ca Masonry E to NW-SE sandston Masonry E to NW-SE sandston Masonry it. Constructed from sa Metal rb aligned NW-SE to N Masonry	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable ric cable. Pipe ast iron gas pipe. Wall foundation e wall foundation. Floor surface indstone setts and bonded with grey Iron kerb N-S, with straight sides and a flat ba Floor surface	In/a         constructed from iron.         n/a         g base. Constructed from brick and         n/a
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned 2030 Curving WNW-ES 2031 External pavemer 2032 Curvilinear iron ke 2033 External yard surf	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry d, 800 mm diameter, ca Masonry E to NW-SE sandston Masonry E to NW-SE sandston Masonry it. Constructed from sa Metal rb aligned NW-SE to N Masonry ace. Constructed from	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin- ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable ric cable. Pipe ast iron gas pipe. Wall foundation e wall foundation. Floor surface undstone setts and bonded with grey Iron kerb N-S, with straight sides and a flat ba Floor surface stone setts, rounded like river cobb	In/a         Constructed from iron.         n/a         g base. Constructed from brick and         n/a         see. Maximum height: >0.10 m.         n/a         bles in the drainage channel. red sandstone
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned 2030 Curving WNW-ES 2031 External pavemen 2032 Curvilinear iron ke 2033 External yard surf brick-sized cobble	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry d, 800 mm diameter, ca Masonry E to NW-SE sandston Masonry E to NW-SE sandston Masonry it. Constructed from sa Metal rb aligned NW-SE to N Masonry ace. Constructed from s in the road surface, I	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin- ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable ric cable. Pipe ast iron gas pipe. Wall foundation e wall foundation. Floor surface undstone setts and bonded with grey Iron kerb N-S, with straight sides and a flat ba Floor surface stone setts, rounded like river cobb bonded with grey mortar.	In/a         n/a         g base. Constructed from brick and         n/a         see. Maximum height: >0.10 m.         n/a         oles in the drainage channel. red sandstone
2024 Linear gas pipe al 2025 Linear wall aligned bonded with whitis 2026 North-east to sout 2027 Linear wall aligned silty mortar. 2028 North-east to sout 2029 NNW-SSE aligned 2030 Curving WNW-ES 2031 External pavemer 2032 Curvilinear iron ke 2033 External yard surf brick-sized cobble 2034	Metal igned NW to SE with s Masonry d NW to SE with straig sh grey silty lime morta Metal h-west aligned, 450 m Masonry d NE to SW with straig Masonry h-west armoured elect Masonry d, 800 mm diameter, ca Masonry E to NW-SE sandston Masonry E to NW-SE sandston Masonry it. Constructed from sa Metal rb aligned NW-SE to N Masonry ace. Constructed from s in the road surface, I Masonry	Pipe traight sides and a concave base. C Wall ht sides and an irregular / undulatin- ir. Maximum height: 0.37 m. Pipe m diameter, cast iron gas pipe. Wall ht sides and an unknown base. Cor Electric cable ric cable. Pipe ast iron gas pipe. Wall foundation e wall foundation. Floor surface undstone setts and bonded with grey Iron kerb N-S, with straight sides and a flat ba Floor surface stone setts, rounded like river cobb bonded with grey mortar. Floor surface	In/a         Constructed from iron.         n/a         g base. Constructed from brick and         n/a         n/a <tr< td=""></tr<>

Context Number	Type	Category	Fill of/Filled With
2035	Motal	Stoncock	n/a
ZUJJ	visited with buried les	d water pipes	1//a
2036	wasonry	Foundation	
Rectangular struct	ure aligned north-eas	t to south-west with straight sides a	nd a flat base. Constructed from red brick
bonded with Portla	ind cement. Maximun	n height: 0.08 m.	-
2037	Masonry	Access hole	n/a
Sub-rectangular ac	ccess hole for underg	round petrol tank. Constructed from	concrete with an iron access hole cover.
2038	Masonry	Floor surface	n/a
Constructed from r	ed brick.		
2039	Masonry	Wall	n/a
North-east to south	n-west aligned wall wi	th straight sides and an unknown b	ase. Constructed from sandstone bonded
with lime mortar. M	laximum height: 0.87	m.	
2040	Masonry	Wall	n/a
North-east to south	n-west aligned wall wi	th straight sides and an unknown b	ase. Constructed from sandstone bonded
with lime mortar. M	laximum height: 0.95	m.	
2041	Masonry	Flue	n/a
Linear north-east t	o south-west aligned	underground flue. Constructed from	firebricks bonded with red sand and pink
lime mortar Mavin	num height: 0.96 m		
2042		Eloor surface	nla
Z04Z	Layer	FIOOI Sullace	iva
	1	De deliner lever	
2043	Layer	Bedding layer	n/a
Pale brown angula	ir gravel.		
2044	Layer	Made ground	n/a
Mid brown silt mixe	ed with brick and ston	e rubble with abundant angular bric	k and stone rubble.
2045	Masonry	Floor surface	n/a
External yard surfa	ace. Constructed from	red brick and yellow firebricks.	
2046	Group	Building	n/a
Gasworks office an	nd entrance building,	built in 1821.	
Group components	s: 2025,2027,2030,20	039, 2040	
2047	Group	Floor surface	n/a
External yard surfa	ace, paved with sands	stone setts. Probably laid in the late	1850s.
Group components	s: 2002 2003 2033 20	034	
2048	Group	Structure	n/a
20th-century ramp	into north-west range	e of the retort house.	
, , ,	5		
Group components	s: 2036.2038.2014		
2049	Masonry	Floor surface	n/a
Sandstone setts be	edded on Portland ce	ment	
3000	Masonry	Floor surface	n/a
Concrete floor	Masoniy		100
	1	De deliner lever	
3001 Destaliate temperature atte	Layer	Bedding layer	n/a
Reddish brown slit	y gravei.		
3002	Masonry	Floor Surface	n/a
Constructed from t	prick and bonded with	i grey mortar.	
3013	Masonry	Retort hench	n/a
Aligned north-west	maoomy		174
	t to south-east. Const	ructed from firebricks bonded with li	ime mortar and red sand.
3015	to south-east. Const	ructed from firebricks bonded with li Demolition layer	ime mortar and red sand. n/a
3015 Mid reddish brown	to south-east. Const Layer sandy silt.	ructed from firebricks bonded with li Demolition layer	ime mortar and red sand. n/a
3015 Mid reddish brown 3016	to south-east. Const Layer sandy silt. Masonry	ructed from firebricks bonded with li Demolition layer Retort bench	n/a
3015 Mid reddish brown 3016 Retort oven ash pi	to south-east. Const Layer sandy silt. Masonry t. Aligned north-east t	Retort bench Retort bench to south-west. Constructed from fire	n/a bricks bonded with red sand and lime
3015 Mid reddish brown 3016 Retort oven ash pi mortar. Large cast	to south-east. Const Layer sandy silt. Masonry t. Aligned north-east t iron bars forming gra	Retort bench Retort bench to south-west. Constructed from fire the for ash pit. Maximum height: 0.45	n/a bricks bonded with red sand and lime
3015 Mid reddish brown 3016 Retort oven ash pi mortar. Large cast 3017	to south-east. Const Layer sandy silt. Masonry t. Aligned north-east t iron bars forming gra Masonry	Retort bench Retort bench to south-west. Constructed from fire te for ash pit. Maximum height: 0.45 Floor surface	n/a bricks bonded with red sand and lime 5 m.
3015 Mid reddish brown 3016 Retort oven ash pi mortar. Large cast 3017 Constructed from r	to south-east. Const Layer sandy silt. Masonry t. Aligned north-east t iron bars forming gra Masonry red brick bonded with	Retort bench Retort bench to south-west. Constructed from fire te for ash pit. Maximum height: 0.43 Floor surface Portland cement. Maximum thickne	n/a bricks bonded with red sand and lime 5 m. n/a ess: 0.11 m.
3015 Mid reddish brown 3016 Retort oven ash pi mortar. Large cast 3017 Constructed from r	to south-east. Const Layer sandy silt. Masonry t. Aligned north-east t iron bars forming gra Masonry red brick bonded with Layer	Retort bench Retort bench to south-west. Constructed from fire te for ash pit. Maximum height: 0.43 Floor surface Portland cement. Maximum thickne Made ground	n/a n/a bricks bonded with red sand and lime 5 m. n/a ess: 0.11 m. n/a
3015 Mid reddish brown 3016 Retort oven ash pi mortar. Large cast 3017 Constructed from r 3018 Mid gravich brown	to south-east. Const Layer sandy silt. Masonry t. Aligned north-east t iron bars forming gra Masonry red brick bonded with Layer sandy silt	Retort bench Demolition layer Retort bench to south-west. Constructed from fire tte for ash pit. Maximum height: 0.43 Floor surface Portland cement. Maximum thickne Made ground	n/a n/a n/a bricks bonded with red sand and lime 5 m. n/a ess: 0.11 m. n/a

1019         Masonry         Floor Surface         n/a           Constructed from red brick and bonded with Portland cement. Maximum thickness: 0.08 m.         320         Masonry         Floor surface         n/a           Constructed from frebricks bonded with Portland cement. Maximum thickness: 0.06 m.         3021         Layer         Made ground         n/a           Thin lenses of black, pale brown, and white sandy silt.         3022         Layer         Made ground         n/a           3023         Layer         Made ground         n/a         Mid groyish brown sandy silt.           3024         Masonry         Retort bench         n/a         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.           3025         Masonry         Retort bench         n/a         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.           3026         Masonry         Retort bench         n/a         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.           3027         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3026           3028         Masonry         Retort bench         n/a           3029         Fill         Deliberate backfill<	2010	Ivpe	Category	Fill of/Filled With
Constructed from red brick and bonded with Portland cement. Maximum thickness: 0.08 m.         3020       Masonry       Floor surface       n/a         Constructed from frebricks bonded with Portland cement. Maximum thickness: 0.06 m.	3019	Masonry	Floor Surface	n/a
3020         Masonry         Floor surface         In/a           Constructed from firebricks bonded with Portland cement. Maximum thickness: 0.06 m.         3021         Layer         Made ground         Na           Thin lenses of black, pale brown, and white sandy silt.         10/a         10/a         10/a           3021         Layer         Made ground         Na         10/a           3022         Layer         Made ground         Na         10/a           3023         Layer         Made ground         Na         10/a           3024         Masonry         Retort bench         n/a         10/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         30/a         30/a         10/a           3026         Masonry         Retort bench         n/a         10/a         10/a           3026         Masonry         Retort bench         n/a         10/a         10/a         10/a           3027         Masonry         Retort bench         n/a         10/a         10/a         10/a         10/a           3028         Masonry         Retort bench         n/a         10/a         10/a         10/a           3029         Fili         Deliberate backfili	Constructed from	red brick and bonded	with Portland cement Maximum thic	kness: 0.08 m
Constructed from firebricks bonded with Portland cement. Maximum thickness: 0.06 m.         3021       Layer       Made ground       n/a         3022       Layer       Made ground       n/a         3023       Layer       Made ground       n/a         3024       Layer       Made ground       n/a         3025       Layer       Made ground       n/a         3026       Masonry       Retort bench       n/a         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.       3025       Masonry         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.       3026       Masonry       Retort bench       n/a         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.       3027       Masonry       Retort bench       n/a         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.       3028       Masonry       Retort bench       n/a         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.       3029       Fill       3029       Fill       3054         3029       Fill       Deliberate backfill       3054       3054       Masonry       Retor bench       n/a       1/a <t< td=""><td>3020</td><td>Masonry</td><td>Floor surface</td><td>n/a</td></t<>	3020	Masonry	Floor surface	n/a
Constructed norm betable borrows         Made ground         n/a           Thin lenses of black, pale brown, and while sandy silt.         Made ground         n/a           Mid greyish brown sandy silt         Made ground         n/a           Mid greyish brown sandy silt.         Made ground         n/a           Mid greyish brown sandy silt.         Masonry         Refort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3023         Masonry         Refort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3026         Masonry         Refort bench         n/a           3026         Masonry         Refort bench         n/a         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3027           3027         Masonry         Refort bench         n/a           3028         Masonry         Refort bench         n/a           3029         Fill         Deliberate backfill         3054           Mid reddish brown to black sandy silt.         3030         Masonry         Flue         n/a           3030         Masonry         Flue         n/a         3054         Mid reddish brown to black sandy silt.      <	Constructed from	firebricks bonded with	Portland cement Maximum thickney	ss: 0.06 m
3022       Layer       Made ground       n/a         3022       Layer       Made ground       n/a         3023       Layer       Made ground       n/a         3024       Masonny and blackish brown sandy silt.       Image: State St	3021		Made ground	n/a
Time base of bases, plue of with mile data ground         n/a           Mid greyish brown sandy silt	Thin lenses of hear	rk nale brown and w	nite sandy silt	iva
Dock         Description         Intel ground         Intel material sector           3023         Layer         Made ground         n/a           3024         Masonry         Retort bench         n/a           3024         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3026           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3027           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3028           3027         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3028           3028         Masonry         Retort bench         n/a           3029         Fill         Deliberate backfill         3054           Mid reddish brown to black sandy silt.         3030         Masonry         Retort bench         n/a           3030         Masonry         Flue         n/a         North-east wall of the retort house. Constructed from firebricks, with a sandstone rubble core bonded with line mortar. Constructed in the 1920s.         3031         Masonry         Colorer toms andstone, bonded with red lay. Maximum height: 0.11 m.           30331 </td <td>3022</td> <td></td> <td>Made ground</td> <td>n/a</td>	3022		Made ground	n/a
Integretario         Nade         Status           Mid reddish brown and blackish brown sandy sit.         Mid reddish brown and blackish brown sandy sit.           3024         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3025           3026         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3026           3027         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3026           3028         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3028           3029         Fili         Deliberate backfili         3054           Mid reddish torwn to black sandy sit.         3031         Masonry         N/a           3031         Masonry         Retort bench         n/a           3032         Masonry         Wall         n/a           3031         Masonry         Wall         n/a           3032         Masonry         Retort bench         n/a <td< td=""><td>Mid grovich brown</td><td></td><td>Made ground</td><td>iva</td></td<>	Mid grovich brown		Made ground	iva
Su2s         Index         Index           3024         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3025           3026         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3026         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3027         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3028         Masonry         Retort bench         n/a           3029         Masonry         Retort bench         n/a         Integration of the sand to south-west to south-east. Constructed from firebricks bonded with red sand.         3029           3029         Fili         Deliberate backfili         3054         3054           Mid reddish brown to black sandy silt.         303         m.         3031         Masonry         Wail         n/a           3031         Masonry         Flue         n/a         1         1         1           3032         Masonry         Retort bench         n/a         1 <td></td> <td></td> <td>Madagraund</td> <td>nla</td>			Madagraund	nla
Number of the second	JUZJ Mid roddich brown	Layer and blackich brown o	andy silt	II/a
3024       missoniny       Refort Dench       n/a         3025       Masonry       Refort bench       n/a         3026       Masonry       Refort bench       n/a         3026       Masonry       Refort bench       n/a         3026       Masonry       Refort bench       n/a         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.       3027         3027       Masonry       Refort bench       n/a         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.       3028         3028       Masonry       Refort bench       n/a         3029       Fill       Deliberate backfill       3054         Mid reddish brown to black sandy silt.       3030       Masonry       Flue       n/a         3031       Masonry       Refort bench       n/a         3031       Masonry       Refort bench       n/a         3033       Masonry       Refort bench       n/a         3031       Masonry       Refort bench       n/a         3033       Masonry       Refort bench       n/a         3031       Masonry       Refort bench       n/a         3032       Masonry			Betert hench	n/o
Aligned notin-west to south-east. Constructed from yellow firebricks bonded with red sand.           3025         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3027         Masonry         Retort bench         n/a           3026         Masonry         Retort bench         n/a         Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.           3027         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3028           3028         Masonry         Retort bench         n/a           3029         Fill         Deliberate backfill         3054           Mid redish brown to black sandy silt.         3030         Masonry         Flue         n/a           3031         Masonry         Retort bench         n/a         3036           3032         Masonry         Wali         n/a         3036           3033         Masonry         Retort bench         n/a           3034         Masonry         Retort bench         n/a           3035         Masonry         Retort bench         n/a           3036         Costructed from s	JUZ4	Wasonry	Retort bench	IVa with red cond
Socs         massening         Retort Dench         Ind           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3026         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3027         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3028         Masonry         Retort bench         n/a           3029         Masonry         Retort bench         n/a         Nd         Retort bench         n/a           3029         Fill         Deliberate backfill         3054         Mid reddish brown to black sandy silt.         3030         Masonry         Flue         n/a           Underground north-east to south-west aligned flue. Constructed from firebricks bricks, with a sandstone rubble core bonded with line mortar. Maximum height: 0.38 m.         3031         Masonry         Wall         n/a           3031         Masonry         Retort bench         n/a         Nd         Nd         1920s.           3032         Masonry         Wall         n/a         Nd         Constructed from concrete.           Maximum height: 0.3 m.         3036         Masonry         Constructere from sandstone, bonded with	Alighed Horth-wes	Maganny	Betert hangh	
Maginal Intrivensit to south-east. Constructed from yellow firebricks bonded with red sand.           3026         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3027         Masonry         Retort bench         n/a           3028         Masonry         Retort bench         n/a         National and the stand of the stand to south-east. Constructed from firebricks, with large iron bars forming a fire grate over the ash pit. Aligned north-east to south-west to south-west. to south-west.         South firebricks, with large iron bars forming a fire grate over the ash pit. Aligned north-east to south-west.           3029         Fill         Deliberate backfill         3054           Midi reddish brown to black sandy sit.         n/a         n/a           3030         Masonry         Flue         n/a           3031         Masonry         Wall         n/a           3032         Masonry         Retort bench         n/a           1920s.         Masonry         Retort bench         n/a           3033         Masonry         Retort bench         n/a           3033         Masonry         Retort bench         n/a           3033         Masonry         Cooker incinerator         3036           Retort plan orth-east to south-west	JUZD	wasonry	Retort bench	iva with red cond
Soco         Masunity         Reference         Masunity           3027         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3028           3028         Masonry         Retort bench         n/a           Retort oven ash pit. Aligned north-east to south-west. Constructed from firebricks, with large iron bars forming a fire grate over the ash pit. Maximum height: 0.9 m.         3029           3030         Masonry         Flue         n/a           Underground north-east to south-west aligned flue. Constructed from firebricks bricks, with a sandstone rubble core bonded with lime mortar. Maximum height: 0.38 m.         3031           3031         Masonry         Retor bench         n/a           1920s.         Nation of the retort house. Constructed from sandstone, bonded with grey lime mortar. Constructed in the 1920s.         1/a           3033         Masonry         Retor bench         n/a           3033         Masonry         Constructed from yellow firebricks and red bricks, bonded with red clay. Maximum height: 0.11 m.           3033         Masonry         Constructed from sandstone, bonded with grey lime mortar.           3034         Masonry         Vali         n/a           3035         Masonry         Foundation         n/a	Alighed horth-wes	Maganny	Detert hangh	
Alighed holm-west to south-east. Constructed from yellow firebricks bonded with red sand.           3027         Masonry         Retort bench         n/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         302           3027         Masonry         Retort bench         n/a           3028         Masonry         Retort bench         n/a           3029         Fill         Deliberate backfill         3054           Mid reddish brown to black sandy sit.         10         n/a           3030         Masonry         File         n/a           Underground north-east to south-west aligned flue. Constructed from firebricks bricks, with a sandstone rubble core bonded with fire rent. Maximum height: 0.38 m.         3031         Masonry         Wall         n/a           3031         Masonry         Retort bench         n/a         .         .         .           3032         Masonry         Retort bench         n/a         .         .         .         .           3033         Masonry         Retort bench         n/a         .         .         .         .           3034         Masonry         Retort bench         n/a         .         .         .         .         .         .	JUZO	Wasonry	Retort bench	IVa with red cond
Journame         Masonry         Refore bench         N/a           Aligned north-west to south-east. Constructed from yellow firebricks bonded with red sand.         3028         Masonry         Retort bench         n/a           Retort oven ash pit. Aligned north-east to south-west. Constructed from firebricks, with large iron bars forming a fire grate over the ash pit. Maximum height: 0.9 m.         3029         Fill         Deliberate backfill         3054           Mid reddish brown to black sandy silt.         3030         Masonry         Flue         n/a           Underground north-east to south-west aligned flue. Constructed from firebricks bricks, with a sandstone rubble core bonded with lime mortar. Maximum height: 0.38 m.         3031         n/a           3031         Masonry         Retort bench         n/a           3032         Masonry         Retort bench         n/a           3033         Masonry         Constructed from sandstone, bonded with grey lime mortar. Constructed in the 1920s.           3034         Masonry         Cooker incinerator         3036           Retargular north-east to south-west aligned structure with a large central trough. Constructed from concrete.         Maximum height: 0.35 m.           3034         Masonry         Wall         n/a           South-west wall of the retort house. Constructed from sandstone, bonded with grey lime mortar.         3036	Alighed horth-wes	Magazini	Detert hangh	
Augined norm-west to south-east. Constructed from Yellow Interbricks bonded with red sand.         3028       Masonry       Retort oven ash pit. Aligned north-east to south-west. Constructed from firebricks, with large iron bars forming a fire grate over the ash pit. Maximum height: 0.9 m.         3029       Fill       Deliberate backfill       3054         Mid reddish brown to black sandy silt.       3054       n/a         3030       Masonry       Flue       n/a         Underground north-east to south-west aligned flue. Constructed from firebricks bricks, with a sandstone rubble core bonded with lime mortar. Maximum height: 0.38 m.       n/a         3031       Masonry       Wall       n/a         North-east wall of the retort house. Constructed from sandstone, bonded with grey lime mortar. Constructed in the 1920s.       n/a         3032       Masonry       Retort bench       n/a         Constructed from yellow firebricks and red bricks, bonded with red clay. Maximum height: 0.11 m.       3036         3033       Masonry       Cooker incinerator       3036         Rectangular north-east to south-west aligned structure with a large central trough. Constructed from concrete.       Maximum height: 0.35 m.         3034       Masonry       Foundation       n/a         North-west to south-west aligned foundation. Constructed from red brick, stretcher bonded with Portland cement.         Maximum heigh	3027	Masonry	Retort bench	n/a
3028         Masonry         Retort bench         na           Retort oven ash pit. Aligned north-east to south-west. Constructed from firebricks, with large iron bars forming a fire grate over the ash pit. Maximum height: 0.9 m.         3029         Fill         Deliberate backfill         3054           3020         Masonry         Flue         n/a         10000         10000         10000	Aligned north-wes		ucted from yellow firebricks bonded	with red sand.
Retort oven ash pit. Aligned north-east to south-west. Constructed from lifebricks, with large iron bars forming a fire grate over the ash pit. Maximum height: 0.9 m.         3029       Fill       Deliberate backfill       3054         Mid reddish brown to black sandy silt.       3030       Masonry       Flue       n/a         Underground north-east to south-west aligned flue. Constructed from firebricks bricks, with a sandstone rubble core bonded with lime mortar. Maximum height: 0.38 m.       n/a         3031       Masonry       Wall       n/a         North-east wall of the retort house. Constructed from sandstone, bonded with grey lime mortar. Constructed in the 1920s.       3033         3033       Masonry       Retort bench       n/a         Constructed from yellow firebricks and red bricks, bonded with red clay. Maximum height: 0.11 m.       3033         3034       Masonry       Cooker incinerator       3036         3034       Masonry       Foundation       n/a         3035       Masonry       Foundation       n/a         3036       Costructed from sandstone, bonded with grey lime mortar.       3036         3035       Masonry       Foundation       n/a         3036       Casonry       Foundation       n/a         3037       Caper incinerator       3033       3033         3038	3028	Masonry	Retort bench	n/a
grate over the ash pit. Maximum height: 0.9 m.         3029       Fill       Deliberate backfill       3054         Mid reddish brown to black sandy silt.       n/a         3030       Masonry       Flue       n/a         Underground north-east to south-west aligned flue. Constructed from firebricks bricks, with a sandstone rubble core bonded with lime mortar. Maximum height: 0.38 m.         3031       Masonry       Wall       n/a         North-east wall of the retort house. Constructed from sandstone, bonded with grey lime mortar. Constructed in the 1920s.       3032       Masonry       Retort bench       n/a         3033       Masonry       Cooker incinerator       3036       3036         Rectangular north-east to south-west aligned structure with a large central trough. Constructed from concrete.       Maximum height: 0.35 m.         3034       Masonry       Vall       n/a         South-west wall of the retort house. Constructed from sandstone, bonded with grey lime mortar.       3036         3034       Masonry       Foundation       n/a         South-west aligned foundation. Constructed from red brick, stretcher bonded with Portland cement.       Maximum height: 0.3 m.         3035       Masonry       Foundation cut, with vertical, straight sides and a flat base. Length: >9.8 m. Width: 3.7 m. Depth: 0.4 m.       3033         3036       Cut	Retort oven ash p	it. Aligned north-east to	o south-west. Constructed from fired	pricks, with large iron bars forming a fire
3029       Fill       Deliberate backtill       3054         Mid reddish brown to black sandy silt.       3030       Masonry       Flue       n/a         Underground north-east to south-west aligned flue. Constructed from firebricks bricks, with a sandstone rubble core bonded with lime mortar. Maximum height: 0.38 m.       n/a         3031       Masonry       Wall       n/a         North-east wall of the retort house. Constructed from sandstone, bonded with grey lime mortar. Constructed in the 1920s.       3032         3033       Masonry       Retort bench       n/a         Constructed from yellow firebricks and red bricks, bonded with red clay. Maximum height: 0.11 m.       3033         3033       Masonry       Cooker incinerator       3036         Rectangular north-east to south-west aligned structure with a large central trough. Constructed from concrete.       Maximum height: 0.35 m.         3034       Masonry       Foundation       n/a         3035       Masonry       Foundation.       n/a         North-west to south-east aligned foundation. Constructed from red brick, stretcher bonded with Portland cement.       Maximum height: 0.3 m.         3036       Cut       Construction cut       3033         Rectangular north-east to south-west aligned construction cut, with vertical, straight sides and a flat base. Length: >9.8 m. Width: 3.7 m. Depth: 0.4 m.       3034	grate over the ash	pit. Maximum height:	0.9 m.	
Mid reddish brown to black sandy silt.         3030       Masonry       Flue       n/a         Underground north-east to south-west aligned flue. Constructed from firebricks bricks, with a sandstone rubble core bonded with lime mortar. Maximum height: 0.38 m.       3031       Masonry       Wall       n/a         3031       Masonry       Wall       n/a       Na         3032       Masonry       Retort bench       n/a         1920s.       Masonry       Retort bench       n/a         3033       Masonry       Cooker incinerator       3036         Rectangular north-east to south-west aligned structure with a large central trough. Constructed from concrete.       Maximum height: 0.35 m.         3034       Masonry       Vall       n/a         South-west wall of the retort house. Constructed from sandstone, bonded with grey lime mortar.       3036         3034       Masonry       Foundation       n/a         North-west wall of the retort house. Constructed from red brick, stretcher bonded with Portland cement.       Maximum height: 0.3 m.         3035       Masonry       Foundation. Constructed from red brick, stretcher bonded with Portland cement.         Maximum height: 0.3 m.       3033       Rectangular north-east aligned foundation. Constructed from red brick, stretcher bonded with Portland cement.         Maximum height: 0.3 m.	3029	Fill	Deliberate backfill	3054
3030     Masonry     Flue     n/a       Underground north-east to south-west aligned flue. Constructed from firebricks bricks, with a sandstone rubble core bonded with lime mortar. Maximum height: 0.38 m.     3031     Masonry     Wall     n/a       3031     Masonry     Wall     n/a       North-east wall of the retort house. Constructed from sandstone, bonded with grey lime mortar. Constructed in the 1920s.     n/a       3032     Masonry     Retort bench     n/a       Constructed from yellow firebricks and red bricks, bonded with red clay. Maximum height: 0.11 m.     3036       3033     Masonry     Cooker incinerator     3036       Rectangular north-east to south-west aligned structure with a large central trough. Constructed from concrete.     Maximum height: 0.35 m.       3034     Masonry     Foundation     n/a       South-west wall of the retort house. Constructed from sandstone, bonded with grey lime mortar.     3036       3035     Masonry     Foundation.     n/a       3036     Cut     Construction cut     3033       3037     Layer     Made ground     n/a       3038     Cut     Construction cut     3033       3039     Layer     Made ground     n/a       3031     Layer     Made ground     n/a       3032     Concrete floor. Maximum thickness: 0.1 m.     3041     <	Mid reddish brown	to black sandy silt.		
Underground north-east to south-west aligned flue. Constructed from firebricks bricks, with a sandstone rubble core bonded with lime mortar. Maximum height: 0.38 m.         3031       Masonry       Wall       n/a         North-east wall of the retort house. Constructed from sandstone, bonded with grey lime mortar. Constructed in the 1920s.       n/a         3032       Masonry       Retort bench       n/a         3033       Masonry       Cooker incinerator       3036         Rectangular north-east to south-west aligned structure with a large central trough. Constructed from concrete.       Maximum height: 0.35 m.         3034       Masonry       Wall       n/a         South-west wall of the retort house. Constructed from sandstone, bonded with grey lime mortar.       3036         3034       Masonry       Foundation       n/a         3035       Masonry       Foundation       n/a         North-west wall of the retort house. Constructed from red brick, stretcher bonded with Portland cement.       Maximum height: 0.3 m.         3036       Cut       Construction cut       3033         3037       Layer       Made ground       n/a         3037       Layer       Made ground       n/a         3037       Layer       Made ground       n/a         3038       Cuostructed from red brick. Maximum thicknes	3030	Masonry	Flue	n/a
bonded with lime mortar. Maximum height: 0.38 m.         3031       Masonry       Wall       n/a         North-east wall of the retort house. Constructed from sandstone, bonded with grey lime mortar. Constructed in the 1920s.       n/a         3032       Masonry       Retort bench       n/a         Constructed from yellow firebricks and red bricks, bonded with red clay. Maximum height: 0.11 m.       3036         Rectangular north-east to south-west aligned structure with a large central trough. Constructed from concrete.       Maximum height: 0.35 m.         3034       Masonry       Wall       n/a         South-west wall of the retort house. Constructed from sandstone, bonded with grey lime mortar.       3036         3035       Masonry       Foundation       n/a         North-west wall of the retort house. Constructed from sandstone, bonded with grey lime mortar.       3033         3035       Masonry       Foundation       n/a         North-west to south-east aligned foundation. Constructed from red brick, stretcher bonded with Portland cement.       Maximum height: 0.3 m.         3036       Cut       Construction cut       3033         Rectangular north-east to south-west aligned construction cut, with vertical, straight sides and a flat base. Length: >9.8 m. Width: 3.7 m. Depth: 0.4 m.       3033         3037       Layer       Made ground       n/a	Underground north	n-east to south-west a	ligned flue. Constructed from firebric	ks bricks, with a sandstone rubble core
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North-east wall of the retort house. Constructed from sandstone, bonded with grey lime mortar. Constructed in the 1920s.         3032       Masonry       Retort bench       n/a         Constructed from yellow firebricks and red bricks, bonded with red clay. Maximum height: 0.11 m.       3036         3033       Masonry       Cooker incinerator       3036         Rectangular north-east to south-west aligned structure with a large central trough. Constructed from concrete.       Maximum height: 0.35 m.         3034       Masonry       Wall       n/a         South-west wall of the retort house. Constructed from sandstone, bonded with grey lime mortar.       3036         3035       Masonry       Foundation       n/a         North-west to south-east aligned foundation. Constructed from red brick, stretcher bonded with Portland cement.         Maximum height: 0.3 m.       3033         Rectangular north-east to south-west aligned construction cut       3033         3036       Cut       Construction cut       3033         Rectangular north-east to south-west aligned construction cut, with vertical, straight sides and a flat base. Length: >9.8 m. Width: 3.7 m. Depth: 0.4 m.       3037       Layer       Made ground       n/a         3040       Masonry       Floor surface       n/a       Na         3041       Masonry       Floor surface       n/a	3031	Masonry	Wall	n/a
1920s.         3032       Masonry       Retort bench       n/a         Constructed from yellow firebricks and red bricks, bonded with red clay. Maximum height: 0.11 m.       3033       Masonry       Cooker incinerator       3036         Rectangular north-east to south-west aligned structure with a large central trough. Constructed from concrete.       Maximum height: 0.35 m.       3034       Masonry       Vall       n/a         3034       Masonry       Wall       n/a       South-west wall of the retort house. Constructed from sandstone, bonded with grey lime mortar.         3035       Masonry       Foundation       n/a         North-west wall of the retort house. Constructed from red brick, stretcher bonded with Portland cement.       Maximum height: 0.3 m.         3036       Cut       Construction cut       3033         Rectangular north-east to south-west aligned construction cut, with vertical, straight sides and a flat base. Length: >9.8 m. Width: 3.7 m. Depth: 0.4 m.       3033         3036       Cut       Construction cut       3033         3037       Layer       Made ground       n/a         3040       Masonry       Floor surface       n/a         Concrete floor. Maximum thickness: 0.1 m.       3041       Masonry       Floor surface       n/a         3041       Masonry       Floor surface	North-east wall of	the retort house. Cons	structed from sandstone, bonded wit	h grey lime mortar. Constructed in the
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Rectangular north-east to south-west aligned structure with a large central trough. Constructed from concrete.         Maximum height: 0.35 m.       Masonry       Wall       n/a         3034       Masonry       Vall       n/a         South-west wall of the retort house. Constructed from sandstone, bonded with grey lime mortar.       3035       Masonry       Foundation       n/a         3035       Masonry       Foundation       n/a       n/a         North-west to south-east aligned foundation. Constructed from red brick, stretcher bonded with Portland cement.       Maximum height: 0.3 m.       3036         3036       Cut       Construction cut       3033         Rectangular north-east to south-west aligned construction cut, with vertical, straight sides and a flat base. Length:       >9.8 m. Width: 3.7 m. Depth: 0.4 m.         3037       Layer       Made ground       n/a         3034       Masonry       Floor surface       n/a         Concrete floor. Maximum thickness: 0.1 m.       3041       Masonry       Floor surface       n/a         3042       Masonry       Floor surface       n/a       n/a         Constructed from red brick. Maximum thickness: 0.1 m.       3043       Masonry       Floor surface       n/a         3043       Masonry       Floor surface       n/a	3032 Constructed from	Masonry yellow firebricks and re	Retort bench ed bricks, bonded with red clay. Max	<b>n/a</b> imum height: 0.11 m.
Maximum height: 0.35 m.         3034       Masonry       Wall       n/a         South-west wall of the retort house. Constructed from sandstone, bonded with grey lime mortar.       3035       Masonry       Foundation       n/a         3035       Masonry       Foundation       n/a       North-west to south-east aligned foundation. Constructed from red brick, stretcher bonded with Portland cement.         Maximum height: 0.3 m.       3036       Cut       Construction cut       3033         Rectangular north-east to south-west aligned construction cut, with vertical, straight sides and a flat base. Length:       >9.8 m. Width: 3.7 m. Depth: 0.4 m.         3037       Layer       Made ground       n/a         Mid reddish brown sandy silt.       3040       Masonry       Floor surface       n/a         3041       Masonry       Floor surface       n/a       Constructed from red brick. Maximum thickness: 0.1 m.         3042       Masonry       Floor surface       n/a         Constructed from red brick. Maximum thickness: 0.1 m.       3043       Masonry       Floor surface       n/a         3042       Masonry       Floor surface       n/a       Masonry       Floor surface       n/a         Constructed from red brick. Maximum height: 0.1 m.       3044       Masonry       Floor surface       n/a <td>3032 Constructed from 3033</td> <td>Masonry yellow firebricks and ro Masonry</td> <td>Retort bench ed bricks, bonded with red clay. Max Cooker incinerator</td> <td><b>n/a</b> imum height: 0.11 m. <b>3036</b></td>	3032 Constructed from 3033	Masonry yellow firebricks and ro Masonry	Retort bench ed bricks, bonded with red clay. Max Cooker incinerator	<b>n/a</b> imum height: 0.11 m. <b>3036</b>
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3045 Masonry Retort bench n/a	3032 Constructed from 3033 Rectangular north Maximum height: ( 3034 South-west wall of 3035 North-west to sout Maximum height: ( 3036 Rectangular north >9.8 m. Width: 3.7 3037 Mid reddish brown 3040 Concrete floor. Ma 3041 Constructed from 3042 Constructed from 3043 Constructed from 3044	Masonry yellow firebricks and re Masonry -east to south-west ali 0.35 m. Masonry i the retort house. Con Masonry th-east aligned founda 0.3 m. Cut -east to south-west ali m. Depth: 0.4 m. Layer a sandy silt. Masonry red brick. Maximum the Masonry red brick. Maximum the Masonry red brick. Maximum the Masonry red brick. Maximum the Masonry	Retort bench ed bricks, bonded with red clay. Max Cooker incinerator gned structure with a large central tr Wall structed from sandstone, bonded wi Foundation tion. Constructed from red brick, stree Construction cut gned construction cut, with vertical, Made ground Floor surface m. Floor surface ickness: 0.1 m. Floor surface ickness: 0.1 m. Floor surface eight: 0.1 m. Floor surface	n/a timum height: 0.11 m. 3036 ough. Constructed from concrete. n/a th grey lime mortar. n/a etcher bonded with Portland cement. 3033 straight sides and a flat base. Length: n/a n/a n/a n/a n/a n/a
	3032 Constructed from 3033 Rectangular north Maximum height: ( 3034 South-west wall of 3035 North-west to sout Maximum height: ( 3036 Rectangular north >9.8 m. Width: 3.7 3037 Mid reddish brown 3040 Concrete floor. Ma 3041 Constructed from 3042 Constructed from 3043 Constructed from 3044 Constructed from	Masonry yellow firebricks and re Masonry -east to south-west ali 0.35 m. Masonry i the retort house. Con Masonry th-east aligned founda 0.3 m. Cut -east to south-west ali m. Depth: 0.4 m. Layer a sandy silt. Masonry red brick. Maximum the Masonry red brick. Maximum the Masonry	Retort bench         ed bricks, bonded with red clay. Max         Cooker incinerator         gned structure with a large central tr         Wall         structed from sandstone, bonded wi         Foundation         tion. Constructed from red brick, stree         Construction cut         gned construction cut, with vertical, and         Floor surface         m.         Floor surface         ickness: 0.1 m.         Floor surface         eight: 0.1 m.         Floor surface         eight: 0.1 m.	n/a imum height: 0.11 m. 3036 ough. Constructed from concrete. n/a th grey lime mortar. n/a etcher bonded with Portland cement. 3033 straight sides and a flat base. Length: n/a n/a n/a n/a n/a n/a
Retort oven ash pit. Constructed from vellow firebricks with large iron bars forming a fire grate over the ash pit	3032 Constructed from 3033 Rectangular north Maximum height: 0 3034 South-west wall of 3035 North-west to sout Maximum height: 0 3036 Rectangular north >9.8 m. Width: 3.7 3037 Mid reddish brown 3040 Concrete floor. Ma 3041 Constructed from 3042 Constructed from 3043 Constructed from 3044 Constructed from 3045	Masonry yellow firebricks and re Masonry -east to south-west ali 0.35 m. Masonry i the retort house. Con Masonry th-east aligned founda 0.3 m. Cut -east to south-west ali m. Depth: 0.4 m. Layer a sandy silt. Masonry red brick. Maximum the Masonry red brick. Maximum the Masonry	Retort bench         ed bricks, bonded with red clay. Max         Cooker incinerator         gned structure with a large central tr         Wall         structed from sandstone, bonded wi         Foundation         tion. Constructed from red brick, stree         Construction cut         gned construction cut, with vertical, stree         Made ground         Floor surface         ickness: 0.1 m.         Floor surface         ickness: 0.1 m.         Floor surface         eight: 0.1 m.         Retort bench	n/a imum height: 0.11 m. 3036 ough. Constructed from concrete. n/a th grey lime mortar. n/a etcher bonded with Portland cement. 3033 straight sides and a flat base. Length: n/a n/a n/a n/a n/a n/a
Maximum height: 0.3 m.	3032 Constructed from 3033 Rectangular north Maximum height: 0 3034 South-west wall of 3035 North-west to sout Maximum height: 0 3036 Rectangular north >9.8 m. Width: 3.7 3037 Mid reddish brown 3040 Concrete floor. Ma 3041 Constructed from 3042 Constructed from 3043 Constructed from 3044 Constructed from 3045 Report oven ash point	Masonry yellow firebricks and re Masonry -east to south-west ali 0.35 m. Masonry i the retort house. Con Masonry th-east aligned founda 0.3 m. Cut -east to south-west ali m. Depth: 0.4 m. Layer a sandy silt. Masonry red brick. Maximum the Masonry red brick. Maximum the Masonry	Retort bench         ed bricks, bonded with red clay. Max         Cooker incinerator         gned structure with a large central tr         Wall         structed from sandstone, bonded wi         Foundation         tion. Constructed from red brick, stree         Construction cut         gned construction cut, with vertical, stree         Made ground         Floor surface         ickness: 0.1 m.         Floor surface         ickness: 0.1 m.         Floor surface         eight: 0.1 m.         Floor surface         eight: 0.1 m.         Retort bench         ellow firebricks with large iron bars for	n/a imum height: 0.11 m. 3036 ough. Constructed from concrete. n/a th grey lime mortar. n/a etcher bonded with Portland cement. 3033 straight sides and a flat base. Length: n/a n/a n/a n/a n/a n/a n/a n/a

Context Number	Туре	Category	Fill of/Filled With
3046	Masonry	Floor surface	n/a
Constructed from r	ed brick. Maximum th	nickness: 0.1 m.	
3047	Masonry	Floor surface	n/a
Constructed from b	prick. Maximum thickr	ness: 0.1 m.	
3048	Masonry	Retort bench	n/a
Aligned north-west	to south-east. Const	ructed from firebricks.	
3049	Masonry	Retort bench	n/a
Aligned north-west	to south-east. Const	ructed from firebricks. Maximum hei	ght: 0.4 m.
3050	Masonry	Retort bench	n/a
Aligned north-west	to south-east. Const	ructed from firebricks.	
3051	Masonry	Floor surface	n/a
Constructed from r	ed bricks and large s	quare fireclay slabs, bonded with da	ark grey lime mortar.
3052	Masonry	Cooker incinerator	3053
Aligned north-east	to south-west. Const	ructed from concrete and red bricks	bonded with Portland cement.
3053	Cut	Construction cut	3052
Irregular construct	ion cut.		
3054	Cut	Uncategorised feature	3029
Incomplete uncate	gorised feature with v	vertical, straight sides. Length: >2.1	m. Width: >1.55 m. Depth: 1 m.
3055	Group	Floor surface	n/a
20th-century brick	floor abutting cooker	incinerator 3052.	
Group components	s: 3002,3051		
3056	Group	Retort bench	n/a
19th-century gas re	etort bench		
Group components	s: 3016,3013		
3057	Group	Floor surface	n/a
20th-century brick	floor between retort b	enches.	
Group components	s: 3019,3040,3042,30	17,3041	
3058	Group	Retort bench	n/a
19th-century retort	bench at north-east	end of the retort house. Abutted by g	ground make up layers 4024 and 4010,
which form a base	for ash pits Group 40	079.	
	00.47 4044 0044 00		0 00 45 4007 0050
Group components	s: 3047,4014,3044,30	46,4005,4013,3048,3049,4008,402	6,3045,4027,3050
3059	Group	Retort bench	n/a
Mid-19th-century r	etort bench, heavily ti	runcated by cooker incinerator 3060	and truncation cut 3054.
		20. 2022 2024	
	S. 3027,3025,3026,30	20,3032,3024	
3060 Cooker in sin sustan	Group	Incinerator	n/a
Cooker Incinerator	. Pre-1933		
Croup component	- 2052 2026		
Group components	5. 3053,3030		
4000 Companyata filo an	Layer	Floor surface	n/a
	1	De della a lavrag	
4001	Layer	Bedding layer	n/a
Angular orange gra	avel.	\A/_!!	
4002 Operations to al ferrer 1	Masonry	wall	n/a
Constructed from I	Pendant Sandstone n	ubble bonded with Portland cement.	400.4
4003	FIII	Deliberate backfill	4004
ivia brownish red s	siity sand.	<b>B</b> 11	1000
4004	Cut	Robber cut	
Sub-circular robbe	r cut with moderate, o	concave sides and a flat base. Lengt	tn: 0.85 m. vviatn: 0.72 m. Depth: 0.46 m.
4005	Masonry	Retort bench	n/a
Constructed from y	ellow firebricks bond	ed with grey lime mortar.	_
4006	Masonry	Retort bench	n/a

Context Number	lype	Category	Fill of/Filled With
Retort oven ash p	it. Constructed from ve	ellow firebricks, with Pennant Sands	stone slabs for base of ash pit. Bonded with
verv hard lime mo	rtar. Maximum height:	0.15 m.	····· ···· ····
4007	laver	Deliberate backfill	n/a
Mid arevish brown	silty sand.		.,
4008	Masonry	Retort bench	n/a
Constructed from	vellow firebricks, bond	led with lime mortar. Maximum heig	ht: 0.14 m.
4009	Fill	Deliberate backfill	4012
Concrete over unk	nown utility		-012
4010	Laver	Made ground	nla
Dark reddish brow	n silty sand	made ground	1va
4011	l aver	Made ground	n/a
White lime with o	crasional natches of h	pright Prussian blue ('Blue Billy')	1/4
4012		Litility trench	n/a
Litility trench Leng	th: ⊳2 m. Width:06 r	n Denth: 0.23 m	1/4
4013	Masonry	Retort bench	n/a
Constructed from	vellow firebricks	Neton bench	Iva
	Masonny	Potort bonch	nla
Constructed from	limecrete Maximum k	peight: 0.25 m	1Va
	Maconny	Foundation	4020
Foundations of un	known purpose Alian	Foundation ed.porth_east to south-west. Constri	4030
with slag adheren	ce around the base M	lavimum height: 0.20 m	acted from this of broken blick and stone,
		Made ground	nla
4010 Mid brownich grou		Made ground	1//d
		Dadding layor	<i>n</i> /o
<b>4017</b> Bala to dark groud	Layer	bedding layer	nva
	line monal, line grave	Mada ground	<i>n</i> /o
4010 Mid grov lime mer	Layer	Made ground	
		Made ground	5. 
4019 Dark market and dar	Layer	Made ground	n/a
Libark drev and dar	<u>'v roa cona arovol ona</u>		
Dank groy and dan	k leu sallu ylavel allu	slag with common slag and stone r	ubble. Complete bricks at top.
Dank groy and dar	k leu sallu glavel allu	slag with common slag and stone r	ubble. Complete bricks at top.
	Maganny	slag with common slag and stone r	ubble. Complete bricks at top.
4022	Masonry	Floor surface	n/a
4022 Constructed from	Masonry firebricks bonded with	Floor surface cream coloured gritty lime mortar. I	ubble. Complete bricks at top. <b>n/a</b> Maximum height: 0.07 m.
4022 Constructed from 4023	Masonry firebricks bonded with Masonry	Floor surface cream coloured gritty lime mortar. I Wall	n/a n/a Naximum height: 0.07 m.
4022 Constructed from 4023 Linear wall aligned	Masonry firebricks bonded with Masonry d north-east to south-w	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr	ubble. Complete bricks at top. <b>n/a</b> Maximum height: 0.07 m. <b>n/a</b> nown base. Constructed from Pennant
4022 Constructed from 4023 Linear wall aligned Sandstone and bo	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortai	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr . Maximum height: 1.06 m.	ubble. Complete bricks at top. <b>n/a</b> Maximum height: 0.07 m. <b>n/a</b> nown base. Constructed from Pennant
4022 Constructed from 4023 Linear wall aligned Sandstone and bo	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortan Layer	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground	n/a Maximum height: 0.07 m. n/a nown base. Constructed from Pennant n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime.	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortan Layer	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground	n/a Maximum height: 0.07 m. n/a nown base. Constructed from Pennant n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 District and aligned	Masonry firebricks bonded with Masonry d north-east to south-v onded with lime mortan Layer	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground Made ground	n/a Maximum height: 0.07 m. n/a nown base. Constructed from Pennant n/a n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa	Masonry firebricks bonded with Masonry d north-east to south-v onded with lime mortan Layer Layer	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground	n/a Maximum height: 0.07 m. n/a nown base. Constructed from Pennant n/a n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026	Masonry firebricks bonded with Masonry d north-east to south-v onded with lime mortan Layer Layer Layer and. Masonry	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground Made ground Retort bench	n/a Maximum height: 0.07 m. n/a nown base. Constructed from Pennant n/a n/a n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort benc	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortan Layer Layer and. Masonry h aligned north-east to	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground Made ground Retort bench o south-west, with straight sides and	n/a         n/a         Maximum height: 0.07 m.         n/a         nown base. Constructed from Pennant         n/a         n/a         n/a         n/a         n/a         n/a         n/a         n/a         n/a         l a flat base. Constructed from firebricks,
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime r	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortar Layer Layer and. Masonry h aligned north-east to mortar. Maximum heig	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground Made ground Retort bench o south-west, with straight sides and pht: 0.9 m.	n/a Maximum height: 0.07 m. n/a nown base. Constructed from Pennant n/a n/a n/a n/a n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime r 4027	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortar Layer Layer and. Masonry h aligned north-east to mortar. Maximum heig Layer	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground Made ground Retort bench o south-west, with straight sides and ht: 0.9 m. Retort bench	n/a         n/a         Maximum height: 0.07 m.         n/a         nown base. Constructed from Pennant         n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime of 4027 Limecrete foundat	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortan Layer Layer and. Masonry h aligned north-east to mortar. Maximum height:	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Made ground Made ground Retort bench o south-west, with straight sides and ht: 0.9 m. Retort bench 0.3 m.	n/a Maximum height: 0.07 m. n/a nown base. Constructed from Pennant n/a n/a n/a a flat base. Constructed from firebricks, n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime in 4027 Limecrete foundat 4028	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortar Layer Layer and. Masonry h aligned north-east to mortar. Maximum heig Layer ion. Maximum height: Cut	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Made ground Made ground Retort bench o south-west, with straight sides and ht: 0.9 m. Retort bench 0.3 m. Uncategorised feature	n/a Maximum height: 0.07 m. n/a nown base. Constructed from Pennant n/a n/a n/a a flat base. Constructed from firebricks, n/a 4029
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime in 4027 Limecrete foundat 4028 Uncategorised fea	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortar Layer Layer and. Masonry h aligned north-east to mortar. Maximum heig Layer ion. Maximum height: Cut ature with steep, conca	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Made ground Made ground Made ground Retort bench o south-west, with straight sides and ht: 0.9 m. Retort bench 0.3 m. Uncategorised feature ave sides. Width: 0.26 m. Depth: 0.2	n/a         n/a         Maximum height: 0.07 m.         n/a         nown base. Constructed from Pennant         n/a         n/a         n/a         n/a         n/a         n/a         n/a         1 a flat base. Constructed from firebricks,         n/a         1 a flat base. Constructed from firebricks,         n/a         1 m.
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime in 4027 Limecrete foundat 4028 Uncategorised fea 4029	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortar Layer Layer and. Masonry h aligned north-east to mortar. Maximum height: Layer ion. Maximum height: Cut ature with steep, conca Fill	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Made ground Made ground Made ground Retort bench o south-west, with straight sides and aht: 0.9 m. Retort bench 0.3 m. Uncategorised feature ave sides. Width: 0.26 m. Depth: 0.2 Deliberate backfill	n/a         n/a         Maximum height: 0.07 m.         n/a         nown base. Constructed from Pennant         n/a         n/a         n/a         n/a         n/a         n/a         n/a         1 a flat base. Constructed from firebricks,         n/a         4029         11 m.         4028
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime in 4027 Limecrete foundat 4028 Uncategorised fea 4029 Mid brown silty sa	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortar Layer Layer And. Masonry h aligned north-east to mortar. Maximum height: Layer ion. Maximum height: Cut ature with steep, conca Fill nd.	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Made ground Made ground Made ground Retort bench o south-west, with straight sides and ht: 0.9 m. Retort bench 0.3 m. Uncategorised feature ave sides. Width: 0.26 m. Depth: 0.2 Deliberate backfill	n/a         n/a         Maximum height: 0.07 m.         n/a         nown base. Constructed from Pennant         n/a         n/a         n/a         n/a         n/a         n/a         1 a flat base. Constructed from firebricks,         n/a         4029         11 m.         4028
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime in 4027 Limecrete foundat 4028 Uncategorised fea 4029 Mid brown silty sa 4030	Masonry firebricks bonded with Masonry d north-east to south-vonded with lime mortan Layer Layer Layer and. Masonry h aligned north-east to mortar. Maximum height: Cut ature with steep, conca Fill nd. Cut	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground Made ground Made ground Retort bench o south-west, with straight sides and pht: 0.9 m. Retort bench 0.3 m. Uncategorised feature ave sides. Width: 0.26 m. Depth: 0.2 Deliberate backfill Construction cut	n/a         n/a         Maximum height: 0.07 m.         n/a         nown base. Constructed from Pennant         n/a         n/a         n/a         n/a         n/a         1 a flat base. Constructed from firebricks,         n/a         4029         11 m.         4028         4015
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime in 4027 Limecrete foundat 4028 Uncategorised fea 4029 Mid brown silty sa 4030 Linear constructio	Masonry firebricks bonded with Masonry d north-east to south-vonded with lime mortar Layer Layer Layer and. Masonry h aligned north-east to mortar. Maximum height: Cut ature with steep, conca Fill nd. Cut n cut aligned north-ea	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground Made ground Made ground Made ground Retort bench o south-west, with straight sides and attemption of the straight sides and be south-west, with straight sides and th: 0.9 m. Retort bench 0.3 m. Uncategorised feature ave sides. Width: 0.26 m. Depth: 0.2 Deliberate backfill Construction cut st to south-west. Depth: 0.13 m.	n/a   Maximum height: 0.07 m.   n/a   nown base. Constructed from Pennant   n/a   n/a   n/a   n/a   a flat base. Constructed from firebricks,   n/a   4029   11 m.   4028   4015
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime in 4027 Limecrete foundat 4028 Uncategorised fea 4029 Mid brown silty sa 4030 Linear constructio 4031	Masonry firebricks bonded with Masonry d north-east to south-vonded with lime mortar Layer Layer Layer and. Masonry h aligned north-east to mortar. Maximum height: Layer ion. Maximum height: Cut ature with steep, conca Fill nd. Cut n cut aligned north-ea Masonry	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground Made ground Made ground Made ground Retort bench o south-west, with straight sides and iht: 0.9 m. Retort bench 0.3 m. Uncategorised feature ave sides. Width: 0.26 m. Depth: 0.2 Deliberate backfill Construction cut st to south-west. Depth: 0.13 m. Floor surface	n/a   n/a   Maximum height: 0.07 m.   n/a   nown base. Constructed from Pennant   n/a   n/a   n/a   n/a   1 a flat base. Constructed from firebricks,   n/a   4029   11 m.   4028   4015   n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime in 4027 Limecrete foundat 4028 Uncategorised fea 4029 Mid brown silty sa 4030 Linear constructio 4031 Constructed from	Masonry firebricks bonded with Masonry d north-east to south-vonded with lime mortar Layer Layer Layer and. Masonry h aligned north-east to mortar. Maximum height: Layer ion. Maximum height: Cut ature with steep, conca Fill nd. Cut n cut aligned north-ea Masonry brick and sandstone a	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr Maximum height: 1.06 m. Made ground Made ground Made ground Retort bench o south-west, with straight sides and ht: 0.9 m. Retort bench 0.3 m. Uncategorised feature ave sides. Width: 0.26 m. Depth: 0.2 Deliberate backfill Construction cut st to south-west. Depth: 0.13 m. Floor surface and bonded with white lime mortar. N	n/a   Maximum height: 0.07 m.   n/a   nown base. Constructed from Pennant   n/a   n/a   n/a   n/a   1 a flat base. Constructed from firebricks,   n/a   4029   11 m.   4028   4015   n/a   n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime in 4027 Limecrete foundat 4028 Uncategorised fea 4029 Mid brown silty sa 4030 Linear constructio 4031 Constructed from 4032	Masonry firebricks bonded with Masonry d north-east to south-vonded with lime mortar Layer Layer and. Masonry h aligned north-east to mortar. Maximum height: Layer ion. Maximum height: Cut ature with steep, conca Fill nd. Cut n cut aligned north-ea Masonry brick and sandstone a Layer	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr : Maximum height: 1.06 m. Made ground Made ground Made ground Retort bench o south-west, with straight sides and ht: 0.9 m. Retort bench 0.3 m. Uncategorised feature ave sides. Width: 0.26 m. Depth: 0.2 Deliberate backfill Construction cut st to south-west. Depth: 0.13 m. Floor surface and bonded with white lime mortar. N Bedding layer	n/a   Maximum height: 0.07 m.   n/a   nown base. Constructed from Pennant   n/a   n/a   n/a   n/a   1 a flat base. Constructed from firebricks,   n/a   4029   11 m.   4028   4015   n/a   Maximum thickness: 0.10 m.   n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime in 4027 Limecrete foundat 4028 Uncategorised fea 4029 Mid brown silty sa 4030 Linear constructio 4031 Constructed from 4032 White lime mortar.	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortan Layer Layer and. Masonry h aligned north-east to mortar. Maximum height: Layer ion. Maximum height: Cut ature with steep, conca Fill nd. Cut n cut aligned north-ea Masonry brick and sandstone a Layer	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr : Maximum height: 1.06 m. Made ground Made ground Made ground Retort bench o south-west, with straight sides and ht: 0.9 m. Retort bench 0.3 m. Uncategorised feature ave sides. Width: 0.26 m. Depth: 0.2 Deliberate backfill Construction cut st to south-west. Depth: 0.13 m. Floor surface and bonded with white lime mortar. N Bedding layer	n/a   Maximum height: 0.07 m.   n/a   nown base. Constructed from Pennant   n/a   n/a   n/a   n/a   a flat base. Constructed from firebricks,   n/a   4029   e1 m.   4028   4015   n/a   n/a
4022 Constructed from 4023 Linear wall aligned Sandstone and bo 4024 White lime. 4025 Pinkish red silty sa 4026 Linear retort bench bonded with lime in 4027 Limecrete foundat 4028 Uncategorised fea 4029 Mid brown silty sa 4030 Linear constructio 4031 Constructed from 4032 White lime mortar.	Masonry firebricks bonded with Masonry d north-east to south-wonded with lime mortar Layer Layer and. Masonry h aligned north-east to mortar. Maximum height: Layer ion. Maximum height: Cut ature with steep, conca Fill nd. Cut n cut aligned north-ea Masonry brick and sandstone a Layer Layer	Floor surface cream coloured gritty lime mortar. I Wall vest, with straight sides and an unkr : Maximum height: 1.06 m. Made ground Made ground Made ground Retort bench o south-west, with straight sides and ht: 0.9 m. Retort bench 0.3 m. Uncategorised feature ave sides. Width: 0.26 m. Depth: 0.2 Deliberate backfill Construction cut st to south-west. Depth: 0.13 m. Floor surface and bonded with white lime mortar. N Bedding layer Made ground	n/a   Maximum height: 0.07 m.   n/a   nown base. Constructed from Pennant   n/a   n/a   n/a   n/a   1 a flat base. Constructed from firebricks,   n/a   4029   1 m.   4028   4015   n/a   n/a   n/a   n/a

Contoxt Number	Typo	Catagony	Fill of/Fillod With
	Notel	Dine	
4034 North cost to cout	west sligned 600 m	ripe m diamatar gas ning. Filled with or	li/d
North-east to south	1-west aligned, 600 m	m diameter, gas pipe. Filled with co	Dal tar.
4035	Masonry	Access hole	n/a
Rectangular acces	s hole with straight si	des and an unknown base. Constru	cted from machine made brick and bonded
with grey Portland	cement. Maximum he	eight: 0.6 m.	
4036	Masonry	Wall	n/a
Linear wall aligned	I north-west to south-e	east with straight sides and an unkn	own base. Constructed from sandstone
and bonded with p	ale pinkish grey lime r	mortar. Maximum height: 0.8 m.	
4037	Masonry	Retort bench	n/a
Constructed from	ellow firebricks, bond	led with pinkish grey lime mortar. M	aximum height: 0.6 m.
4038	Masonry	Floor surface	n/a
Concrete floor Ma	ximum thickness: 0.1	m	
4039	l aver	Deliberate backfill	n/a
Black coal and clin	ker with abundant brid	ck and fine to coarse gravel	174
			<i>n</i> /a
4040		wall	n/a
Linear wall with str	aight sides and an un	known base. Constructed from san	distone and bonded with brownish grey
lime mortar. Maxin	num height: 0.1 m.		
4041	Masonry	Blocked doorway	n/a
Rectangular block	ed doorway aligned no	orth-south with straight sides and ar	n irregular base. Constructed from red brick
and yellow firebric	ks and large fireclay s	labs bonded with white lime mortar.	Maximum height: 0.30 m.
4042	Masonry	Floor surface	n/a
Constructed from r	mixture of bricks and s	stone slabs. Maximum thickness: 0.	11 m.
4043	Masonry	Step	n/a
Rectangular step v	vith straight sides and	a flat base. Constructed from red b	ricks and vellow firebricks and bonded
with white lime mo	rtar Maximum height	· 0 18 m	······································
4044	l aver	Made ground	n/a
Black silty sand an	d rubble with abunda	nt stone brick clinker and slag incl	
		Ctructure	
4043	Masonry	STRUCTURA	n/a
Observation and Design		otractare	1/4
Single square Pen	nant Sandstone slab.		
Single square Pen 4046	nant Sandstone slab. Masonry	Blocked opening	n/a
Single square Pen 4046 Infill of doorway. C	nant Sandstone slab. Masonry onstructed from firebr	Blocked opening icks bonded with dark grey lime mo	n/a rtar. Maximum height: 0.45 m.
Single square Pen 4046 Infill of doorway. C 4047	nant Sandstone slab. Masonry onstructed from firebr Masonry	Blocked opening icks bonded with dark grey lime mo Foundation	n/a rtar. Maximum height: 0.45 m. n/a
Single square Pen 4046 Infill of doorway. C 4047 Linear wall founda	nant Sandstone slab. Masonry onstructed from firebr Masonry tion with straight sides	Blocked opening icks bonded with dark grey lime mo Foundation s aligned north-west to south-east. (	n/a rtar. Maximum height: 0.45 m. n/a Constructed from brick and bonded with
Single square Pen 4046 Infill of doorway. C 4047 Linear wall founda grey lime mortar.	nant Sandstone slab. Masonry onstructed from firebr Masonry tion with straight sides	Blocked opening icks bonded with dark grey lime mo Foundation s aligned north-west to south-east. (	n/a rtar. Maximum height: 0.45 m. n/a Constructed from brick and bonded with
Single square Pen 4046 Infill of doorway. C 4047 Linear wall founda grey lime mortar. 4048	nant Sandstone slab. Masonry onstructed from firebr Masonry tion with straight sides Masonry	Blocked opening icks bonded with dark grey lime mo Foundation s aligned north-west to south-east. ( Foundation	n/a rtar. Maximum height: 0.45 m. n/a Constructed from brick and bonded with
Single square Pen 4046 Infill of doorway. C 4047 Linear wall founda grey lime mortar. 4048 Linear wall founda	nant Sandstone slab. Masonry onstructed from firebr Masonry tion with straight sides Masonry tion with straight sides	Blocked opening icks bonded with dark grey lime mo Foundation s aligned north-west to south-east. ( Foundation s aligned east-west. Constructed fro	n/a rtar. Maximum height: 0.45 m. n/a Constructed from brick and bonded with n/a m sandstone bonded with lime mortar.
Single square Pen 4046 Infill of doorway. C 4047 Linear wall founda grey lime mortar. 4048 Linear wall founda 4049	Masonry onstructed from firebr Masonry tion with straight sides Masonry tion with straight sides Masonry	Blocked opening icks bonded with dark grey lime mo Foundation s aligned north-west to south-east. ( Foundation s aligned east-west. Constructed fro Floor surface	n/a rtar. Maximum height: 0.45 m. n/a Constructed from brick and bonded with n/a m sandstone bonded with lime mortar. n/a
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Single square Pen 4046 Infill of doorway. C 4047 Linear wall founda grey lime mortar. 4048 Linear wall founda 4049 Constructed from h 4050 Constructed from h	Masonry onstructed from firebr Masonry tion with straight sides Masonry tion with straight sides Masonry prick paving slabs. Masonry Pennant Sandstone and	Blocked opening icks bonded with dark grey lime mo Foundation s aligned north-west to south-east. ( Foundation s aligned east-west. Constructed fro Floor surface Structure	n/a rtar. Maximum height: 0.45 m. n/a Constructed from brick and bonded with n/a m sandstone bonded with lime mortar. n/a n/a
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Single square Pen 4046 Infill of doorway. C 4047 Linear wall founda grey lime mortar. 4048 Linear wall founda 4049 Constructed from R 4050 Constructed from R 4051 Linear structure ali with grey lime mor 4052 Incomplete founda sandstone, bonded 4053 Retort oven ash pi dark grey lime mor 4054 Retort oven ash pi dark grey lime mor 4055 Aligned parth act	nant Sandstone slab. Masonry onstructed from firebr Masonry tion with straight sides Masonry tion with straight sides Masonry prick paving slabs. Masonry Pennant Sandstone at Masonry gned north-west to so tar. Maximum height: Masonry tion aligned north-west d with grey lime morta Masonry t. Aligned North-west tar. Maximum height: Masonry t. Aligned North-west tar. Maximum height: Masonry t. Aligned North-west tar. Maximum height: Masonry t. Aligned North-west tar. Maximum height: Masonry	Blocked opening icks bonded with dark grey lime mo Foundation s aligned north-west to south-east. ( Foundation s aligned east-west. Constructed fro Floor surface Structure nd firebricks bonded with lime morta Structure outh-east with irregular sides. Const 0.38 m. Foundation st to south-east with irregular sides r. Maximum height: 0.2 m. Retort bench to south-east. Constructed from red 0.4 m. Retort bench to south-east. Constructed from red 0.4 m. Retort bench might eiden and a flat base. Constructed	n/a rtar. Maximum height: 0.45 m. n/a Constructed from brick and bonded with n/a m sandstone bonded with lime mortar. n/a n/a n/a ar. n/a ructed from brick and sandstone, bonded n/a and an unknown base. Constructed from n/a bricks and yellow firebricks, bonded with n/a brick and yellow firebrick and bonded with n/a
Single square Pen 4046 Infill of doorway. C 4047 Linear wall founda grey lime mortar. 4048 Linear wall founda 4049 Constructed from R 4050 Constructed from R 4051 Linear structure ali with grey lime mor 4052 Incomplete founda sandstone, bonded 4053 Retort oven ash pi dark grey lime mor 4054 Retort oven ash pi dark grey lime mor 4055 Aligned north-east	nant Sandstone slab. Masonry onstructed from firebr Masonry tion with straight sides Masonry tion with straight sides Masonry prick paving slabs. Masonry Pennant Sandstone an Masonry gned north-west to so tar. Maximum height: Masonry tion aligned north-west d with grey lime morta Masonry t. Aligned North-west tar. Maximum height: Masonry t. Aligned North-west tar. Maximum height: Masonry t. Aligned North-west tar. Maximum height: Masonry to south-west with strain to south-we	Blocked opening icks bonded with dark grey lime mo Foundation s aligned north-west to south-east. ( Foundation s aligned east-west. Constructed fro Floor surface Structure nd firebricks bonded with lime morta Structure outh-east with irregular sides. Const 0.38 m. Foundation st to south-east with irregular sides r. Maximum height: 0.2 m. Retort bench to south-east. Constructed from red 0.4 m. Retort bench to south-east. Constructed from red 0.4 m. Retort bench raight sides and a flat base. Constru-	n/a rtar. Maximum height: 0.45 m. n/a Constructed from brick and bonded with n/a m sandstone bonded with lime mortar. n/a n/a ar. n/a ructed from brick and sandstone, bonded n/a and an unknown base. Constructed from n/a bricks and yellow firebricks, bonded with n/a brick and yellow firebricks, bonded with n/a brick and yellow firebricks, bonded with n/a
Single square Pen 4046 Infill of doorway. C 4047 Linear wall founda grey lime mortar. 4048 Linear wall founda 4049 Constructed from B 4050 Constructed from B 4051 Linear structure ali with grey lime mor 4052 Incomplete founda sandstone, bonded 4053 Retort oven ash pi dark grey lime mor 4054 Retort oven ash pi dark grey lime mor 4055 Aligned north-east with grey lime mor	nant Sandstone slab. Masonry onstructed from firebr Masonry tion with straight sides Masonry tion with straight sides Masonry prick paving slabs. Masonry Pennant Sandstone at Masonry gned north-west to so tar. Maximum height: Masonry tion aligned north-west d with grey lime morta Masonry tion aligned north-west tar. Maximum height: Masonry t. Aligned North-west tar. Maximum height: Masonry t. Aligned North-west tar. Maximum height: Masonry to south-west with str tar.	Blocked opening icks bonded with dark grey lime mo Foundation s aligned north-west to south-east. ( Foundation s aligned east-west. Constructed fro Floor surface Structure nd firebricks bonded with lime morta Structure outh-east with irregular sides. Const 0.38 m. Foundation st to south-east with irregular sides r. Maximum height: 0.2 m. Retort bench to south-east. Constructed from red 0.4 m. Retort bench to south-east. Constructed from red 0.4 m. Retort bench raight sides and a flat base. Constru-	n/a rtar. Maximum height: 0.45 m. n/a Constructed from brick and bonded with n/a m sandstone bonded with lime mortar. n/a n/a ar. n/a ructed from brick and sandstone, bonded n/a and an unknown base. Constructed from n/a bricks and yellow firebricks, bonded with n/a brick and yellow firebricks, bonded with n/a
Single square Pen 4046 Infill of doorway. C 4047 Linear wall founda grey lime mortar. 4048 Linear wall founda 4049 Constructed from B 4050 Constructed from B 4051 Linear structure ali with grey lime mor 4052 Incomplete founda sandstone, bonded 4053 Retort oven ash pi dark grey lime mor 4054 Retort oven ash pi dark grey lime mor 4055 Aligned north-east with grey lime mor 4056	nant Sandstone slab. Masonry onstructed from firebr Masonry tion with straight sides Masonry tion with straight sides Masonry prick paving slabs. Masonry Pennant Sandstone at Masonry gned north-west to so tar. Maximum height: Masonry tion aligned north-west d with grey lime morta Masonry tion aligned north-west tar. Maximum height: Masonry t. Aligned North-west tar. Maximum height: Masonry t. Aligned North-west tar. Maximum height: Masonry to south-west with str tar. Masonry	Blocked opening icks bonded with dark grey lime mo Foundation s aligned north-west to south-east. ( Foundation s aligned east-west. Constructed fro Floor surface Structure nd firebricks bonded with lime morta Structure outh-east with irregular sides. Const 0.38 m. Foundation st to south-east with irregular sides r. Maximum height: 0.2 m. Retort bench to south-east. Constructed from red 0.4 m. Retort bench to south-east. Constructed from red 0.4 m. Retort bench raight sides and a flat base. Constru- Wall	n/a rtar. Maximum height: 0.45 m. n/a Constructed from brick and bonded with n/a m sandstone bonded with lime mortar. n/a n/a ar. n/a ructed from brick and sandstone, bonded n/a and an unknown base. Constructed from n/a bricks and yellow firebricks, bonded with n/a brick and yellow firebricks, bonded with n/a brick and yellow firebricks, bonded with n/a

	Туро	Catagony	Fill of/Fillod With
	Masonry	Botort bonch	
Aligned north-eas	t to south-west. Cons	tructed from firebricks and stone	honded with arey silt mortar. Maximum
height: 0.33 m		sindered from medness and stone, i	bonded with grey sitt month. Maximum
4058	Masonry	Floor surface	n/a
Concrete and stor	ne floor		iva
4050	Masonry	Eloor surface	nla
4039 Constructed from	rod bricks, bondod w	riou surface	ight: 0.1 m
	Mananny		
4000 Constructed from	IvidSOIII y	hoight: 0.1 m	liva
		Bodding lover	nlo
4001 Off white lime me	Layer	Bedding layer	Ilva
		Defect have	
4062	wasonry	Retort bench	n/a d brieke and vellev firebrieke banded with
Aligned north-eas	t to south-west with s	traight sides. Constructed from rec	d bricks and yellow firebricks bonded with
pale grey mortar a	and red sand. Maximu	um neight: 0.38 m.	
4063	wasonry	retort bench	n/a d brieke and vellev firebrieke banded with
Aligned north-eas	t to south-west with s	traight sides. Constructed from rec	d dricks and yellow firedricks bonded with
dark grey mortar.	Maximum neight: 0.2	4 m.	
4064	Masonry	Retort bench	n/a
Aligned north-eas	t to south-west with s	traight sides. Constructed from rec	d brick bonded with dark grey ash mortar.
Maximum height:	0.10 m.	<b>B</b> <i>i i</i> <b>i</b>	,
4065	Masonry	Retort bench	n/a
Aligned north-eas	t to south-west with s	traight sides. Constructed from bri	ck bonded with grey lime mortar.
4066	Metal	Pipe	4071
North-east to sout	th-west aligned, 200 r	mm diameter steel gas, fuel, or wa	ter pipe.
4067	Masonry	Flue	n/a
Irregular undergro	ound flue system. Cor	nstructed from firebricks and bonde	ed with red sand.
4068	Masonry	Flue	n/a
Irregular undergro	ound flue system. Cor	nstructed from firebricks bonded wi	ith grey mortar. Maximum height: 0.23 m.
4069	Masonry	Well	n/a
Circular well with	straight sides and an		
	straight slues and an	unknown base. Constructed from	sandstone rubble and bonded with grey lime
mortar. Maximum	height: 0.2 m.	unknown base. Constructed from	sandstone rubble and bonded with grey lime
mortar. Maximum 4070	height: 0.2 m. Layer	Layer	sandstone rubble and bonded with grey lime
mortar. Maximum <b>4070</b> Black sandy silt.	height: 0.2 m. Layer	Layer	sandstone rubble and bonded with grey lime
mortar. Maximum 4070 Black sandy silt. 4071	height: 0.2 m. Layer	Layer Pipe trench	sandstone rubble and bonded with grey lime n/a 4066
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend	height: 0.2 m.         Layer         Cut         h with steep, concave	UNKNOWN base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7	n/a 4066 1.5 m. Width: 0.8 m. Depth: 0.2 m.
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend	height: 0.2 m.         Layer         Cut         h with steep, concave	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7	n/a 4066 5.5 m. Width: 0.8 m. Depth: 0.2 m.
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trenc 4072	Layer Layer Layer Layer	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground	n/a 4066 5 m. Width: 0.8 m. Depth: 0.2 m.
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trenc 4072 Dark grey silt, clin	height: 0.2 m.         Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.	n/a 4066 5 m. Width: 0.8 m. Depth: 0.2 m.
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trenc 4072 Dark grey silt, clin 4073	height: 0.2 m.         Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill	n/a 4066 3.5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trenc 4072 Dark grey silt, clin 4073 Dark greyish brow	height: 0.2 m.         Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         yn silt, ash, and clinke	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,	n/a 4066 5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions.
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark greyish brow 4074	height: 0.2 m.         Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe	n/a 4066 .5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark greyish brow 4074 North-west to sou	height: 0.2 m.         Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.	n/a 4066 3.5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark greyish brow 4074 North-west to sou 4075	height: 0.2 m.         Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench	n/a 4066 .5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4075 4075
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark greyish brow 4074 North-west to sou 4075 Linear pipe trench	height: 0.2 m.         Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         aligned north-west to	UNKNOWN base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight state	n/a 4066 .5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m.
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark greyish brow 4074 North-west to sou 4075 Linear pipe trench Width: 1 m. Depth	height: 0.2 m.         Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         vn silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to         i: 1.5 m.	Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight state	n/a 4066 .5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m.
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark greyish brow 4074 North-west to sou 4075 Linear pipe trench Width: 1 m. Depth 4076	Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         vn silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to         i: 1.5 m.         Layer	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight state         Made ground	sandstone rubble and bonded with grey lime n/a 4066 .5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark greyish brow 4074 North-west to sou 4075 Linear pipe trend Width: 1 m. Depth 4076 Mid brown Sandy	Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         vn silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to         i: 1.5 m.         Layer         silt with lenses of pal	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight state         Made ground         le-yellow lime and black ash and clip	sandstone rubble and bonded with grey lime n/a 4066 5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a linker, with frequent angular gravel sized
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark greyish brow 4074 North-west to sou 4075 Linear pipe trench Width: 1 m. Depth 4076 Mid brown Sandy stone, lime, and b	Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         vn silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to         i: 1.5 m.         Layer         silt with lenses of pal         vrick inclusions.	Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight state         Made ground         le-yellow lime and black ash and classe	sandstone rubble and bonded with grey lime n/a 4066 5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a linker, with frequent angular gravel sized
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark greyish brow 4074 North-west to sou 4075 Linear pipe trench Width: 1 m. Depth 4076 Mid brown Sandy stone, lime, and b 4077	height: 0.2 m.         Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         n aligned north-west to         n: 1.5 m.         Layer         silt with lenses of pal         rick inclusions.         Layer	Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight straight         Made ground         le-yellow lime and black ash and cl	sandstone rubble and bonded with grey lime n/a 4066 5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a linker, with frequent angular gravel sized n/a
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark greyish brow 4074 North-west to sou 4075 Linear pipe trenck Width: 1 m. Depth 4076 Mid brown Sandy stone, lime, and b 4077 Dark grey silty cla	height: 0.2 m.         Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to         i: 1.5 m.         Layer         silt with lenses of pal         rick inclusions.         Layer         V.	Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight straight         Made ground         e-yellow lime and black ash and cl	sandstone rubble and bonded with grey lime n/a 4066 5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a linker, with frequent angular gravel sized n/a
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark grey silt, clin 4073 Dark grey silt, clin 4074 North-west to sou 4075 Linear pipe trenck Width: 1 m. Depth 4076 Mid brown Sandy stone, lime, and b 4077 Dark grey silty cla 4078	Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to aligned north-west to aligned north-west to aligned north-west of pall rick inclusions.         Layer         silt with lenses of pall rick inclusions.         Layer         y.         Layer	Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight straight         Made ground         e-yellow lime and black ash and cl         Buried topsoil	sandstone rubble and bonded with grey lime n/a 4066 5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a linker, with frequent angular gravel sized n/a n/a
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark grey silt, clin 4073 Dark grey silt, clin 4074 North-west to sour 4075 Linear pipe trench Width: 1 m. Depth 4076 Mid brown Sandy stone, lime, and b 4077 Dark grey silty cla 4078 Pale yellowish an	Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to         i: 1.5 m.         Layer         silt with lenses of pal         rick inclusions.         Layer         y.         Layer         d grevish brown silty	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight :         Made ground         le-yellow lime and black ash and cl         Buried topsoil         Alluvium         clay	sandstone rubble and bonded with grey lime n/a 4066 .5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a linker, with frequent angular gravel sized n/a n/a
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark grey silt, clin 4073 Dark grey silt, clin 4074 North-west to sou 4075 Linear pipe trench Width: 1 m. Depth 4076 Mid brown Sandy stone, lime, and b 4077 Dark grey silty cla 4078 Pale yellowish an 4079	Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to         a silt with lenses of pal         rick inclusions.         Layer         y.         Layer         greyish brown silty of	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight :         Made ground         le-yellow lime and black ash and cl         Buried topsoil         Alluvium         clay.	sandstone rubble and bonded with grey lime n/a 4066 .5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a linker, with frequent angular gravel sized n/a n/a n/a
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark grey silt, clin 4073 Dark grey silt, clin 4074 North-west to sou 4075 Linear pipe trench Width: 1 m. Depth 4076 Mid brown Sandy stone, lime, and b 4077 Dark grey silty cla 4078 Pale yellowish an 4079 Ash pits on porth	Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to         a aligned north-west to         th-east aligned, 700 r         Cut         a aligned north-west to         th-east aligned, 700 r         Cut         a aligned north-west to         th-east aligned, 700 r         Cut         a aligned north-west to         there are aligned north and the set of the	Unknown base. Constructed from         Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight state         Made ground         le-yellow lime and black ash and cl         Buried topsoil         Alluvium         clay.         Retort bench         actor bench	sandstone rubble and bonded with grey lime n/a 4066 .5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a linker, with frequent angular gravel sized n/a n/a n/a n/a
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark grey silt, clin 4073 Dark grey silt, clin 4074 North-west to sou 4075 Linear pipe trench Width: 1 m. Depth 4076 Mid brown Sandy stone, lime, and b 4077 Dark grey silty cla 4078 Pale yellowish an 4079 Ash pits on north-	Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to         a silt with lenses of pal         rick inclusions.         Layer         silt with lenses of pal         rick inclusions.         Layer         y.         Layer         greyish brown silty         Group         east side of retort ber	Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight state         Made ground         le-yellow lime and black ash and cl         Buried topsoil         Alluvium         clay.         Retort bench         nch group 3058. Stratigraphically a	sandstone rubble and bonded with grey lime n/a 4066 .5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a linker, with frequent angular gravel sized n/a n/a n/a n/a n/a n/a
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark grey silt, clin 4073 Dark grey silt, clin 4074 North-west to sou 4075 Linear pipe trench Width: 1 m. Depth 4076 Mid brown Sandy stone, lime, and b 4077 Dark grey silty cla 4078 Pale yellowish an 4079 Ash pits on north- which in turn abut	Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to         a: 1.5 m.         Layer         silt with lenses of pal         rick inclusions.         Layer         y.         Layer         greyish brown silty         Group         east side of retort ber         retort bench group 3	Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight state         Made ground         le-yellow lime and black ash and cl         Buried topsoil         Alluvium         clay.         Retort bench         nch group 3058. Stratigraphically a         058.	sandstone rubble and bonded with grey lime n/a 4066 3.5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a linker, with frequent angular gravel sized n/a n/a n/a n/a above made ground layers 4010 and 4024,
mortar. Maximum 4070 Black sandy silt. 4071 Linear utility trend 4072 Dark grey silt, clin 4073 Dark grey silt, clin 4073 Dark grey silt, clin 4074 North-west to sou 4075 Linear pipe trench Width: 1 m. Depth 4076 Mid brown Sandy stone, lime, and b 4077 Dark grey silty cla 4078 Pale yellowish an 4079 Ash pits on north- which in turn abut	Layer         Cut         h with steep, concave         Layer         ker, and ash, with sp         Fill         /n silt, ash, and clinke         Metal         th-east aligned, 700 r         Cut         a aligned north-west to         a aligned north-west to         x: 1.5 m.         Layer         silt with lenses of pal         rick inclusions.         Layer         y.         Layer         d greyish brown silty         Group         east side of retort ber         retort bench group 3	Layer         Pipe trench         e sides and a flat base. Length: >7         Made ground         arse brick and stone inclusions.         Deliberate backfill         er, with sparse brick, stone, clinker,         Pipe         mm diameter, iron gas pipe.         Pipe trench         o south-east with vertical, straight state         Made ground         le-yellow lime and black ash and cl         Buried topsoil         Alluvium         clay.         Retort bench         nch group 3058. Stratigraphically a         058.	sandstone rubble and bonded with grey lime n/a 4066 .5 m. Width: 0.8 m. Depth: 0.2 m. n/a 4075 , and slag inclusions. 4075 4072, 4073 sides and a u-shaped base. Length: >5 m. n/a linker, with frequent angular gravel sized n/a n/a n/a above made ground layers 4010 and 4024,

Group components: 4006,4053,4054

	_	_	

Context Number Type	Category	Fill of/Filled With
4080 Grou	p Retort ben	ch n/a
Constructed in the late 18	50s in the (demolished) nor	th-east range of retort house.
Group components: 4057	,4063,4037,4062,4064	
4081 Grou	p Retort bene	ch n/a
Constructed in the late 18	50s in the (demolished) nor	th-east range of the retort house.
0	1005	
Group components: 4055	,4065	
4082 Grou	p Floor surfa	ce n/a
19th-century brick-paved	yard surface.	
Croup components: 1060	4050 4021	
Group components. 4060	,4059,4031	1-
4083 Grou	p Flue	n/a
Flue system. Probably a I	ate 1850s addition.	
Group components: 1067	4068	
5000 Maso	prv Eloor surfa	ce n/a
Tarmac pavement Maxim	num thickness: 0 15 m	
5001 Lave	r Bedding la	ver n/a
Dark reddish brown silty l	oam with small stone rubble	inclusions
5002 Maso	Phore Surfa	ce n/a
Pavement, Constructed fr	rom sandstone setts. Maxim	um thickness: 0.43 m.
5003 Lave	Made grou	nd n/a
Mid brown clav loam with	small rare stone rubble incl	usions.
5004 Meta	Electric cal	ble n/a
Aligned north-west to sou	th-east. Armoured cable coa	ated with bitumen and capped with electric bricks.
5005 Maso	onry Drain	n/a
Ceramic drainage pipe. A	ligned north-west to south-e	ast. Maximum height: 0.15 m.

## Appendix 2 Marked firebrick catalogue

Context	Group	Structural	Length	Breadth	Thickness	Stamp	Comments
	number	function	(mm)	(mm)	(mm)		
1008	1084	Flue	>200	114	65	HICKMAN & Co STOURBRIDGE	Buff 9-inch firebrick.
1015	1084	Flue	230	112	66	J & W KING STOURBRIDGE	Buff 9-inch firebrick.
1015	1084	Flue	232	112	66	RUFFORD STOURBRIDGE	Buff 9-inch firebrick.
3025	3059	Retort bench	230	112	65	illegible	Nine-inch firebrick orange fabric with coarse white grits and clay pellets
3025	3059	Retort bench	225	110	64	illegible	Buff 9-inch firebrick.
3025	3059	Retort bench	220	110	62	illegible	Nine-inch firebrick orange fabric with coarse white grits and clay pellets.
3028	3059	Retort bench	235	112	64	GEOE. K. HARRISON STOURBRIDGE	Buff 9-inch firebrick.
3045	3058	Retort bench	>300	>150	100		Fragment of large flat slab with tongue and groove moulding on edge.
4006	4079		>110	112	62	SPE[]	Buff 9-inch firebrick with stamp on edge
4006	4079		>110	112	62	[]RISON []BRIDGE	Incomplete buff 9-inch firebrick
4006	4079		>180	108	65	HARRIS & PEARSON STOURBRIDGE	Incomplete buff 9-inch firebrick
4041	-	Blocking of doorway	>220	>140	70	PERRENS & HARRISON []OURBRIDGE	Buff. Part of a large flat slab
4065	4081	Retort bench	240	112	70	[]KING HARRIS[] STOURBRIDGE	Buff 9-inch firebrick. Pink lime mortar and bitumen adhering. Probably made by George King Harrison.
4067	4083	Flue	225	105	62	RUFFORD STOURBRIDGE	Buff 9-inch firebrick
Unstrat.			230	115	50	[]HARRIS[] STOURBRIDGE	Buff 9-inch firebrick. Probably made by George King Harrison.
Unstrat.			230	112	75	GIBBONS	Pink 9-inch firebrick
Unstrat.			230	112	75	GIBBONS	Pink 9-inch firebrick

Context	Group number	Structural function	Length (mm)	Breadth (mm)	Thickness (mm)	Stamp	Comments
Unstrat.			100	230–330	230	T3[]	Buff retort voussoir firebrick
Unstrat.			230	115	62	GIBBONS (DUDLEY) LTD N <sup>o</sup> 1 FIRECLAY	Buff 9-inch firebrick
Unstrat.			230	115	62	GIBBONS (DUDLEY) LTD N <sup>o</sup> 1 FIRECLAY	Buff 9-inch firebrick
Unstrat.			230	0–120	0–60	GIBBONS (DUDLEY) LTD N <sup>O</sup> 1 FIRECLAY	Buff feather edge firebrick
Unstrat.			150	280–330	185	SUPERAXE S277	Buff retort voussoir firebrick
Unstrat.			180	250–330	220	MOBBERLEY & PERRY LTD STOURBRIDGE	Retort voussoir firebrick Orange with black and white grits.
Unstrat.			180	260–320	215	S248	Retort voussoir firebrick Orange with black and white grits. Probably made by Mobberley & Perry.
Unstrat.			125	300–355	230	1930 O[]TY MOBBERLY & PERRY LT STOURBRIDGE	Retort voussoir firebrick Orange with black and white grits.

# Appendix 3 OASIS record

OASIS ID (UID)	wessexar1-430457
Project Name	Bristol Digital Futures Institute, 65 Avon Street, Bristol, Archaeological Watching Brief
Sitename	Bristol Digital Futures Institute, 65 Avon Street, St Philip's Marsh
Activity type	WATCHING BRIEF, Descriptive Buildings Record (Level 2), Comprehensive Analytical Buildings Record (Level 4)
Project Identifier(s)	TQEC Hub
Planning Id	21/076439/X, 21/02496/F
Reason For Investigation	Planning requirement
Organisation Responsible for work	Wessex Archaeology
Project Dates	15-Oct-2021 - 31-Dec-2022
Location	Bristol Digital Futures Institute, 65 Avon Street, St Philip's Marsh
	NGR : ST 60087 72551
	LL : 51.450527349975, -2.57576361907126
	12 Fig : 360087,172551
Administrative Areas	Country : England
	County : Bristol
	District : Bristol, City of
	Parish : Bristol, City of, unparished area
Project Methodology	Historic building record (level 2 for overall building; level 4 for coal store roof trusses) and archaeological watching brief during the conversion of an 1821 gas retort house and coal store for use as a university building.
Project Results	Historic building record of early gasworks retort house (built in 1821), with large adjoining mid-1850s coal store. Watching brief during below ground works uncovered an extensive system of 19th-century underground brick flues, foundations of the 1821 gasworks office and coal stores, the bases of five 19th-century gas retort benches, and an early 20th-century brick and concrete 'cooker incinerator', which was housed in a former retort house used as a gas cooker repair workshop.
Keywords	COAL SHED - POST MEDIEVAL - FISH Thesaurus of Monument Types
	GAS WORKS - POST MEDIEVAL - FISH Thesaurus of Monument
	Types
	RETORT HOUSE - POST MEDIEVAL - FISH Thesaurus of Monument
	Types
	Flue - POST MEDIEVAL - FISH Thesaurus of Monument Types
	Incinerator - 20TH CENTURY - FISH Thesaurus of Monument Types
	Office - POST MEDIEVAL - FISH Thesaurus of Monument Types
	Yard - POST MEDIEVAL - FISH Thesaurus of Monument Types
Funder	
HER	Bristol City SMR - unRev - STANDARD
Person Responsible for	C, Mason
HER Identifiers	

## Appendix 4 Survey of flue on south-east side of coal store



**Maintain A Drain** Unit 17 Kenn Court Business Park, Bristol Tel 0117 9714447 info@maintainadrain.co.uk

ProjectProject Name:TQECProject Description:WinCan Import in Miraculix StandardProject Date:23/11/2021



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Ver:1.2021.10.3

P-11

P-12 P-13

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8

11

M-A-D Maintain - A - Drain	Unit 1	<b>Maintain A Dra</b> 7 K enn Court Business Park, Bris Tei 0117 97144 info@maintainadrain.co.
Tab	le of Contents	
Project Name TQEC	Project Number	Project Date 23/11/2021
ProjectInformation		P-1
ScoringSummary		
ProjectPictures		P-3

Defect Grade Description (Section)

Section Profile

Section Summary Section: 1; MH1 > EXCAVATION (MH1X)

Section: 2; MH2 > MH1 (MH2X)

Section: 3; MH3 > MH2 (MH3X)

MAD .....

TQEC

T-1

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M-A-D Maintain - A - D	rain	Unit	<b>Maintain A Drain</b> 17 Kenn Court Business Park, Bristol Tel. 0117 9714447 info@maintainadrain.co.uk
	Project In	formation	Ducks of Ducks
	TQEC	Project Number	23/11/2021
Client			
Company: Contact: Street: Town or City: Post Code: Phone: Mobile: Email:	Aztec Building Services Mr Simon Roberts Unit 8 St Martins Business Pa Bristol BS11 0RS 0117 9825533 07826845844 simon@aztechbuildingservice	rk, Moorend Farm Ave es.co,uk	
Site			
Company: Street: Town or City: Post Code:	c/o Aztech Building Services TQEC, Avon Street Bristol BS2 0PZ		Maintain - A - Drain
Contractor			
Company: Street: Town or City: Post Code: Phone: Email:	Maintain A Drain Unit 17 Kenn Court Business Bristol BS4 1UL 0117 9714447 info@maintainadrain.co.uk	Park	Maintain - A - Drain
TQEC			P-1

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Maintain	<b>A -  D</b> 1 - A - Drain	2			Maintain A D Unit 17 Kenn Court Business Park, E Tel. 0117 971 info@maintainadrain.
			Scoring	Summary	
	Projec TG	e <b>t Name</b> NEC		Project Number	Project Date 23/11/2021
Structu	ral Defects				
ection	PLR	Grade	Description	an an ann	
il inspecte	ed pipes are in a	in acceptab	ole structural condi	tion (< grade 3).	
•	( <b>O</b> mene <b>ti</b> es		J14:		
Service	) Operation	nal Con	dition		
Grade 3:	Best practice	e suggest: n	s consideration :	should be given to ma	intenance activities in the
Frade 4:	Best practice	n. e suggest:	s consideration :	should be given to ma	intenance activity to avoid
S. J. F.	potential blo	ckages.		A . I. I. I A . A	
Frade 5:	Best practice	e suggest:	s that this pipe is	s at a high risk of back	king up or causing flooding
iection	PLR	Grade	Description		
2	MH2X	3	Settled deposits,	ine, 10% cross-sectiona	l area loss, finish
oction	DID	Descrip	tion		
Section	PLR ons complete, n	Descrip	tion andoned.		
ection	PLR ons complete, n	Descrip one are ab	<b>tion</b> andoned.		
ection	PLR ons complete, n Ition	Descrip one are ab	tion andoned.		
iection Il inspection Information	PLR ons complete, n ation oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the WR	?c.
iection Il inspecti nforma These sc	PLR ons complete, n ation oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the WR	?c.:
iection Il inspection Informa These sc	PLR ons complete, n ation oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the VVR	?c.
<b>nforma</b>	PLR ons complete, n ation oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the VVF	?c.:
<b>iection</b> Il inspecti <b>nforma</b> These sc	PLR ons complete, n ation oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the WR	?c.:
nforma	PLR ons complete, n ation oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the VVR	?c.:
iection Il inspecti nforma These sc	PLR ons complete, n <b>Ition</b> oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the WR	?c.:
nforma	PLR ons complete, n ation oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the VVR	?c.:
<b>iection</b> Il inspecti <b>nforma</b> These sc	PLR ons complete, n Ition oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the VVR	2C.:
nforma	PLR ons complete, n ation oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the VVR	?c
iection	PLR ons complete, n ition oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the VVR	?¢.
<b>nform</b> a These sc	PLR ons complete, n Ition oring summari	Descrip one are ab	<b>tion</b> andoned. sed on the SRM	grading from the VVR	2C
<b>iection</b> Il inspecti <b>nform</b> a These sc	PLR ons complete, n Ition oring summari	Descrip one are ab	tion andoned. sed on the SRM	grading from the WR	2¢
<b>nform</b> a These sc	PLR ons complete, n Ition oring summari	Descrip one are ab	tion andoned. sed on the SRM	grading from the VVR	2C
<b>iection</b> Il inspecti <b>nform</b> a These sc	PLR ons complete, n Ition oring summari	Descrip one are ab	tion andoned. sed on the SRM	grading from the VVF	2C.:

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Maintain - A - Drain	<b>Maintain A Drain</b> Unit 17 Kenn Court Business Park, Bristol Tel. 0117 9714447 info@rnaintainadrain.co.uk
Project	Pictures
Project Name	Project Number Project Date 23/11/2021
	<image/>
	IMG_7416
TQEC	P-8





Mainta	in - A - Drain	Unit	17 Kenn Court Business Park, Bri Tel. 0117 97144 info@maintainadrain.co			
	Defect Grade De	escription (Section)				
	Project Name TQEC	Project Number	Project Date 23/11/2021			
1:	Brick: No structural defects.					
	Other: No structural defects.					
	Acceptable structural condition.					
2:	Brick: Circumferential cracking; single long surface damage - slight spalling (breaking slight wear (increased roughness).	jitudinal crack; surface mortar los away of small fragments from the	s (depth-missing < 15mm); e surface); surface damage -			
	Other: Circumferential crack; moderate joi surface damage - slight spalling (breaking (increased roughness).	nt defects (i.e. medium open joint away of small fragments from the	or medium displaced joint); e surface) or slight wear			
	Minimal collapse likelihood in the sh	ort term but potential for fur	ther deterioration.			
3:	Brick: Medium mortar loss (depth missing crack (at a single location); multiple cracki only moderate mortar loss; surface damag damage - medium wear (large area of bric	15-50mm) without other defects; ng; single bricks displaced; defor e - medium spalling (large areas k surface is missing).	more than one longitudinal nation < 5%; no fracture and of chipped brick); surface			
	Other: Fracture with no deformation or def loss of level; severe joint defects (i.e. large area of pipe surface is missing or worn.	formation < 5%; longitudinal crack open joint or large displaced joir	king or multiple cracking; min t); surface damage - partial			
	Collapse unlikely in the near future b	out further deterioration likely	(·			
4:	Brick: Total mortar loss (depth missing > 50mm) with deformation > 10%; deformation up to 10% and fractured; displaced or hanging brickwork; small number of missing bricks; dropped invert (drop > 20mm moderate loss of level; surface damage - large spalling (entire surface of brick is missing); surface damage - large wear (entire surface of brick is missing).					
	Other: Broken; deformation up to 10% and serious loss of level; serious joint defects v visible or joint displacement > 25% of diam or severly worn.	l broken; fracture with deformatio vith voids or soil visible (open joir neter); surface damage - entire ar	n 5-10%; multiple fractures; it with > 50mm soil or void ea of pipe surface is missing			
	Collapse likely in the foreseeable fut	ure.				
5:	Brick: Already collapsed; missing Invert; di and deformation < 10%; extensive areas o	eformation > 10% and fractured; f missing brickwork.	displaced or hanging brickwo			
	Other: A lready collapsed; deformation > 10% and broken; extensive areas of pipe fabric missing; fracture with deformation > 10%					
	Collapsed or collapse imminent.					

Main	tain <mark>- A</mark> - Drai	in			12200000 1235220000	Tel. info@mainta	0117 97144 ainadrain.co.i
			Sectio	on Profile			
	Project Name TQEC			Project Nu	Project Date 23/11/2021		
)val 1	mm				<b>I</b>		
an No	Unstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected
4	opscieanninoue	EVENUETION	0044/0004		iviate in	CO2-	Length
2	MH2	MH1	23/11/2021	AVON STREET	Brick	0.02 m	0.02 m
3	MH3	MH2	23/11/2021	AVON STREET	Brick	6.45 m	6.45 m

Ma	M-(	- A - D	rain		Maintain A Drair Unit 17 Kenn Court Business Park, Bristo Tel. 0117 9714447 info@maintainadrain.co.uk
			Sect	tion Summary	
			ProjectName TQEC	Project Numbe	r Project Date 23/11/2021
Ni	umber d	of secti	ons		3
Т	tal long	ath of c	octions		72 22 m
, ic	itan teng	jun or a	ections		25.55 11
Τc	otal leng	gth of i	nspected sections		23.33 m
Τc	otal leng	gth of a	bandoned inspections		0.00 m
Nu	umber o	of aban	doned inspections		0
Νι	umber d	of secti	on inspection photos		26
Nt	umber d	of secti	on inspection videos		3
Ni	umber o	of secti	on inspection scans		0
Nt	umber d	of secti	on inclination measurer	nents	0
PLR: Inspec Inspec	ction Direc cted Lengt	tion: h:	MH1X Downstream 6.02m	Upstream Node: Downstream Node: Dia/Height:	MH1 EXCAVATION 1 mm
Total L	Length:		6.02m	Material:	Brick
No.	m+	Code	Observation	NFL	
1	0.00	MH	Startnode, manhole, reference: Mi	H1	
2	0.00	VVL	Vvater level, U% of the vertical dime	ension	
3	0.00	DES	Settled deposits, fine, 5% cross-se	ectional area loss, start	
4	3.94	GP	General photograph taken atthisp	oint	
5	5.55	CN	Connection other than junction at 9	9 o'clock ,1300mm dia	
6	6.02	GP	General photograph taken atthisp	oint	
7	6.02	DES	Settleddeposits, fine, 80% cross-s	sectional area loss, change	
8	6.02	OCF	Finish node, other special chambe	r,reference: EXCAVATION	
PLR: Inspec Inspec Total I	ction Direc cted Lengt Length:	tion: h:	MH2X Upstream 10.86 m 10.86 m	Upstream Node: Downstream Node: Dia/Height: Material:	MH2 MH1 1 mm Brick
No.	m+	Code	Observation		
1	0.00	MH	Startnode, manhole, reference: Mi	H1	
2	0.00	WL	Water level, 0% of the vertical dime	ension	
3	0.00	DES	Settled deposits, fine, 10% cross-s	sectional area loss, start	
4	0.18	OBBJ	Other obstacles, brick or masonry	in invert at joint from 4 o'clock to 7 o	clock, 20% cross-sectional area loss, start
5	327	OBBJ	Other obstacles, brick or mason ry	in invertatjoint from 4 o'dock to 7 o	clock, 20% cross-sectional area loss, finish
6	327	GP	General photograph taken at this p	oint	
7	3.34	OBBJ	Other obstacles, brick or masonry	in invertatjoint from 5 o'clock to 8 o	clock, 20% cross-sectional area loss, start
8	6.76	OBBJ	Other obstacles, brick or masonry	in invertatjoint from 5 o'dock to 8 o	clock, 20% cross-sectional area loss, finish

TQEC

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Maintain A Dr Unit 17 Kenn Court Business Park, Br Tel 0117 9714 info@maintainar.c						
			S	ection Summary		
Project Name TQEC				Project Number		Project Date 23/11/2021
No.	m+	Code	Observation	12.	10	
9	9.55	DES	Settled deposits, fine, 10% a	ross-sectional area loss, finish		
10	9.55	OBBJ	Other obstacles, brick or mas	sonry in invert at joint from 4 o'clock to 8 o'	clock, 35% cros	s-sectional area loss
11	10.86	MHF	Finishnode,manhole,refere	nce:MH2		
PLR:			MH3X	linstream Node:	MH3	
Inspection Direction:			Upstream	Downstream Node:	MH2	
Inspected Length:			6.45m	Dia/Height	1 mm	
otal L	.ength:	1	6.45m	Material:	Brick	
No.	<b>m</b> +	Code	Observation			
1	0.00	MH	Startnode, manhole, referen	ce: MH2		
2	0.00	WL	VVater level, 0% of the vertica	Idimension		
3	0.00	DES	Settled deposits, fine, 10% or	ross-sectional area loss, start		
4	1.07	GP	General photograph taken at	thispoint		
5	1.95	GP	General photograph taken at	thispoint		
6	3.67		Line deviates left			

Doc ref 223262.3 Issue 1, Jan 2023






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n     n     No Rein Or Snow     No Mathematics       2     2211721     14.04     cmmon     No Rein Or Snow     No Mathematics       2     20pratic     Not Specified     Canvear     Preset Length     Legal Sidus     Atternative       1     Tom or Village     Aniol     Inspection Direction:     Upstream Node:     MH12       Location:     Joint Length:     10.86m     Dupstream Node:     MH12       Joint Length:     10.86m     Dupstream Node:     MH12       Joint Length:     10.86m     Dupstream Node:     MH1       Joint Length:     10.86m     Dupstream Node:     MH1       Joint Length:     DiaNteight:     1 mm     Hispecton Direction:     No forward tensor       Stringerton Puppes:     No forward tensor     Material:     Biold     Hispecton Direction:       Statistical History     No forward tensor     MPEG     Ploto     Conversets       Recommendations:     Scale:     1:34     Postion [m]     Code     Observation     MPEG     Ploto     Code       Doing Lining Type:     No Lining     Lining Type:     No Lining     Lining Type:     No Lining       Scale:     1:35     MH1     Outcold     1     Outcold     2       Optit:     1:35 <th>em No.</th> <th>Inso No.</th> <th>Date</th> <th>Sectio</th> <th>n Insp</th> <th>s lob Ref</th> <th>- 23/11/2 Weath</th> <th>2021 -</th> <th>MH2X</th> <th>aned</th> <th>рі</th> <th>R</th>	em No.	Inso No.	Date	Sectio	n Insp	s lob Ref	- 23/11/2 Weath	2021 -	MH2X	aned	рі	R
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Maintain A Drain Unit 17 Kenn Court Business Park, Bristol Tel. 0117 9714447 info@maintainadrain.co.uk

## MAD

Thank you for choosing to use MAD (Maintain A Drain) incorporating WinCan to carry out your drainage investigation works.

The results and views carried in this report are those of the engineer(s) appointed to carry out the investigation and are considered relevant on the day of the survey.

Drain and sewer performance is known to alter over time, so liability cannot be accepted for differences between the recorded data and the actual data at a time after this report was generated.

This survey has been created in accordance with the drainage standard used in the country and language settings for this PC.

CCTV subsidence investigations do not account for the water tightness of the pipes and are merely a visual inspection of inside of the drains. CCTV drainage engineers are generally not qualified to comment on the causes of subsidence, and can only suggest required remedial actions for the pipes, and not the affected buildings.

Subsidence is a building structural failure, which can occur for many reasons. Although drainage failures can contribute to subsidence problems, other causes should always be investigated as part of a considered approach. In order to eliminate drains from suspicion, WinCan suggests that all pipes within at least 10m of the subsidence area be pressure tested over and above a CCTV inspection, and remedial suggestions considered based on the findings.

Unless otherwise specified in an associated task order (or similar), the data gathered in this report may not be suitable for use as a pre-lining investigation. WinCan are happy to carry out such surveys, but this must be agreed prior to the commencement of the works, and a the client must specify the data they wish to capture and the acceptable tolerances.

Where GPS coordinates and heights have been issued within this report, they are to 1m accuracy, and 2m accuracy for heights. Greater accuracy can be provided on request.

If you have any queries please do not hesitate to contact us.

MAD - 0117 971 4447

info@maintainadran.co.uk

TQEC





Figure 2: New Gas Works, 1821, by High O'Neill (Bristol Museum and Art Gallery M2778)

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Figure 3: Plumley and Ashmead's map, 1828, found on Know Your Place. Reproduced with the permission of Bristol Archives (seen at 1:2000).



Figure 4: St Philip and St Jacob tithe map, 1847, found on Know Your Place. Reproduced with the permission of Bristol Archives (seen at 1:2000).

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Figure 5: Ashmead's plan, 1854, found on Know Your Place. Reproduced with the permission of Bristol Archives (seen at 1:2000).



Figure 6: Plan of the Avon Street gasworks, 1857, used with permission of IGEM (seen at 1:2000).

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Figure 7: Plan of the Avon Street gasworks, 1860, used with permission of IGEM (seen at 1:2000).



Figure 8: Ashmead's plan, 1874, found on Know Your Place. Reproduced with the permission of Bristol Archives (seen at 1:2000).

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Figure 9: Ordnance Survey 1:500 Town Plan, 1884, found on Know Your Place. Reproduced with the permission of the National Library of Scotland (seen at 1:2000).



Figure 10: 1895 Goad Map, found on Know Your Place and used with permission of the British Library (seen at 1:2000)

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Figure 11: 1933 plan, used with permission of IGEM (seen at 1:2000).



Figure 12: 1951 plan, used with permission of IGEM (seen at 1:2000).

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Figure 13: Extract from early 1920 aerial photograph, showing Avon Street gasworks, viewed from the west (Bristol Archives 44819/3/50)



Figure 14: Extract from 1926 aerial photograph, showing Avon Street gasworks from the south (Bristol Archives 44819/3/6)

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	Coordinate system: OSGB 1936 British National Grid Digital data reproduced from Arcadis dataset provided by the client © 2022 All rights reserve	d.			
	This material is for client report only © Wessex Archaeology. No unauthorised reproduction.				
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	Figure 22: Orthographic plan from photogrammetry of 19th-century	y yard surface (group 2047) to the south-west of the re	etort house coal store		











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Figure 29: South-west facing elevation and cross section of flue (group 10					

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from photogrammetry.



Figure 30: Coal store and retort house, looking north (photograph by C. Mason).



Figure 31: Coal store, looking west (photograph by C. Mason).

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Figure 32: North-east elevation of the coal store (photograph by C. Mason).



Figure 33: Interior of retort house, facing north-east, looking west (photograph by C. Mason).

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Figure 34: Interior of coal store, looking south-west (photograph by C. Mason).



Figure 35: Interior of coal store, looking north-east (photograph by C. Mason).

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Figure 36: Alluvium 1078, buried topsoil 1078, and made ground layer 4076, looking north-east towards Gas Lane, (photograph by C. Mason).



Figure 37: Made ground 5003, sandstone sett road surface 5002, and modern pavement 5000. North-east side of Avon Street, looking north-east. Scale: 1 m (photograph by C. Sabato).

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Figure 38: Stone wall foundation (2027) north-east of Avon Street, looking north-east. Scale: 0.5 m (photograph by C. Sabato).



Figure 39: Brick wall foundation (2025) north-east of Avon Street, looking south-east. Scale: 1 m (photograph by C. Sabato).

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Figure 40: Stone wall foundation (4048, group 1083) on north side of retort house, looking east. Scale: 1 m (photograph by C. Mason).



Figure 41: Stone wall foundation (4056, group 1083), retort bench (4055, group 4081) on north-east side of retort house, looking north-west. Scale: 1 m (photograph by C. Sabato).

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Figure 42: Stone wall foundation (group 1085) and brick flue (group 1084) in coal store, looking north-east. Scale: 1 m (photograph by C. Mason).



Figure 43: Stone wall foundation (1052, group 1085), made ground (1053, group 1091), robber cut 1051, and brick flue (1054, group 1087). North corner of coal store, looking south-west. Scale: 1 m (photograph by C. Sabato).

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Figure 44: Stone wall foundation (group 1085), in south corner of coal store, looking west. Scale: 1 m (photograph by A. Pannell).



Figure 45: Stone wall foundation (1048, group 1085) and upstanding chimney in coal store, looking south-east. Scale: 0.5 m (photograph by C. Mason).

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Figure 46: Stone wall foundation (1048, group 1085) and upstanding chimney in coal store, showing line of coping stones and opening into north-west side of chimney. Looking south-east. Scale: 1 m (photograph by C. Mason).



Figure 47: Chimney at north-east end of coal store, looking east (photograph by C. Mason).

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Figure 48: North-east stone wall (4036, group 1083) of the north-east range of the retort house; stone wall (4040), floor surface (4042), and step (4043) of the adjacent lean-to building; and gas pipe 4034 and associated access chamber (4035). Looking north-east. Scale: 1 m (photograph by C. Mason).



Figure 49: North-east stone wall (4036, group 1083) of the north-east range of the retort house; stone wall (4040), floor surface (4042), and step (4043) of the adjacent lean-to building; and gas pipe 4034 and associated access chamber (4035). Looking south-east. Scale: 1 m (photograph by C. Mason).

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Figure 50: Retort bench (group 3058) and brick floor (3041–3) at the north-east end of the north-east range of the retort house. Looking east (photograph by A. Pannell).



Figure 51: Ash pit in retort bench (group 3058) at the northeast end of the north-east range of the retort house. Looking north-east (photograph by A. Pannell).

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Figure 52: Ground raising deposits (4010, 4016, 4024-5), retort oven ash pits (4053, 4054, group 4079), structure 4052, wall 4002, and modern concrete floor 4000. Looking south-west. Scale: 1m (photograph by C. Sabato).



Figure 53: Ground raising deposits (4010–11, 4016, and 4024) and retort oven ash pit (4006, group 3058) overlain by the 1920s north-east wall (4002) of extant range of the retort house. Looking south-west. Scale: 1m (photograph by C. Sabato).

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Figure 54: Ground raising deposits (4017–19) and brick floor (4022) in a doorway through the north-west wall (4023, group 1083) of the north-west range of the retort house. Looking north-west. Scale: 1m (photograph by C. Mason).



Figure 55: Brick flue 3030 in the north-west range of the retort house, Looking north-east. Scale: 1m (photograph by C. Hambleton).

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Figure 56: Brick flue (1054, group 1087) in north corner of coal store, looking west. Scale: 1 m (photograph by C. Mason).



Figure 57: Detail of brick flue (1054, group 1087) in north corner of coal store, looking west. Scale: 0.5 m (photograph by C. Mason).

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Figure 58: Brick flue (1054, group 1087) and brick access hole (1057) in north corner of coal store, looking north-east. Scale: 1 m (photograph by C. Sabato).



Figure 59: Foundations 4015 at the north-east end of the north-west range of the retort house. Looking north-east. Scale: 1 m (photograph by C. Sabato).

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Figure 60: Foundations 4047 and 4052 at the north-east end of the north-west range of the retort house. Looking north-east. Scale: 0.5 m (photograph by V. Jerjotoma Ortin).



Figure 61: Foundations 4047 and 4050–1 at the north-east end of the north-west range of the retort house. Looking north-east. Scale: 0.5 m (photograph by V. Jerjotoma Ortin).

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Figure 62: Floor surface 4049 in the north-east range of the retort house. Looking north. Scale: 1 m (photograph by C. Sabato).



Figure 63: Arched doorway under the coal store chimney, looking north-east towards well 4069 and flue system 4083 (photograph by C. Mason).

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Figure 64: Well 4069, looking north-east. Scale: 1 m (photograph by C. Mason).



Figure 65: Wall 1054 and red concrete floor 1055 in west corner of coal store, looking north-west. Scale: 1 m (photograph by C. Mason).

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Figure 66: Flue (group 1084) in coal store, looking south-west. Scale: 1 m (photograph by V. Jerjotoma Ortin).



Figure 67: Iron capping over access hole into underground flue (group 1084) in coal store, looking north-east. Scale: 1 m (photograph by C. Mason).

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Figure 68: Interlocking fireclay slabs over access hole into underground flue (group 1084) in coal store, looking north-east. Scale: 1 m (photograph by C. Mason).



Figure 69: Access hole into underground flue system (group 1084) in coal store, looking north-east. Scale: 1 m (photograph by C. Mason).

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Figure 70: Detail of fireclay capping slab showing tongue and grove moulding on edge. Scale: 0.2 m (photograph by C. Mason).



Figure 71: Internal view of flue (group 1084) in coal store, looking north-east (photograph by C. Mason).

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Figure 72: Openings at north end of flue (group 1084) in coal store, looking north-west (photograph by C. Sabato).



Figure 73: Openings at north end of flue (group 1084) in coal store, looking north-east (photograph by C. Sabato).

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Figure 74: High level flue opening into the coal store chimney, looking north-west (photograph by C. Mason).



Figure 75: Fireclay slab and sandstone sett floor (group 1082) on the south-east side of the coal store, looking south-west (photograph by C. Mason).

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Figure 76: Firebrick and sandstone sett floor (group 1082) on the south-east side of the coal store, looking south-east. Scale: 1 m (photograph by C. Sabato).



Figure 77: Sandstone sett floor (group 1082) with inserted brick and concrete strip (group 1086) on north-west side of the coal store, looking north-west. Scale: 1 m (photograph by C. Sabato).

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Figure 78: Sandstone sett floor (group 1082), cut by modern concrete vehicle inspection pit. Scale: 1 m (photograph by C. Hambleton).



Figure 79: Sandstone sett floor (group 1082) and modern concrete repairs (group 1086). Scale: 1 m (photograph by C. Sabato).

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Figure 80: Brick- and stone-lined drain (group 1088), looking north-east. Scale: 0.5 m (photograph by C. Sabato).



Figure 81: Brick- and stone-lined drain (group 1088), showing in-situ capstones. Looking north-east. Scale: 1 m (photograph by C. Sabato).

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Figure 82: Brick- and stone-lined drain (group 1088), after removal of capstones. Looking north-east. Scale: 1 m (photograph by C. Sabato).



Figure 83: Brick- and stone-lined drain (group 1088), showing oversized construction cut. Looking north-east. Scale: 1 m (photograph by C. Sabato).

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Figure 84: Ash pit on south-west side of retort bench 3059, looking north. Scale: 1 m (photograph by C. Hambleton).



Figure 85: Truncated north-west end of retort bench 3059, looking south-west. Scale: 1 m (photograph by A. Pannell).

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Figure 86: Ash pit on south-east side of retort bench (group 4080) in north-east range of the retort house, looking north-west. Scale: 0.5 m (photograph by L. Jervis).



Figure 87: Ash pit on south-east side of retort bench (group 4080) in north-east range of the retort house, looking north-west. Scale: 0.5 m (photograph by C. Sabato).

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Figure 88: Flue system (group 4080) in north-east range of the retort house, looking south-west. Note direction of flues in relation to blind arches in the adjacent wall. Scale: 1 m (photograph by C. Sabato).



Figure 89: Sandstone sett yard surface (group 2047) and pavement (2031), iron kerb 2032, and stopcock 2035, looking north. Scale: 1 m (photograph by A. Pannell).

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Figure 90: Sandstone sett yard surface (group 2047 and 2049) and concrete petrol tank chamber 2037, looking north-east. Scale: 1 m (photograph by C. Sabato).



Figure 91: Weighbridge 2019, looking north-east. Scale: 0.5 m (photograph by C. Sabato).

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Figure 92: Brick and concrete structure (1016) within the coal store, looking north-east. Scale: 1 m (photograph by C. Sabato).



Figure 93: Concrete trough of cooker incinerator (group 3060) in the north-west range of the retort house, looking east. Scale: 1 m (photograph by C. Hambleton).

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Figure 94: Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking north-west. Scale: 1 m (photograph by C. Sabato).



Figure 95: Brickwork at south-west end of cooker incinerator (group 3060) and brick floor (group 3055) in the north-west range of the retort house, looking south-east. Scale: 1 m (photograph by C. Sabato).

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Figure 96: Underground concrete petrol tank (2037), brick and concrete ramp structure (group 2048) and associated re-laid sandstone sett floor to the south-west of the retort house, looking north. Scale: 1 m (photograph by C. Sabato).



Figure 97: Brick and concrete ramp structure (group 2048), looking south-east. Scale: 1 m (photograph by C. Sabato).

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Figure 98: Brick flue (2041) to the north-west of the retort house, looking east (photograph by L. Jervis).



Figure 99: Opening at north-east terminus of brick flue (2041) to the north-west of the retort house, looking south-west. Scale: 1 m (photograph by L. Jervis).

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Figure 100: Wall (group 1085) and pit (1045) on the north-west side of the coal store, looking north-east. Scale: 1 m (photograph by C. Mason).



Figure 101: Gas pipe 4034 filled with coal tar oil. Looking north-east (photograph by C. Mason).

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Figure 102: Stone block 4045 in lean-to building on north-east side of retort house, looking south-west. Scale: 0.5 m (photograph by C. Mason).



Figure 103: Brick floor (group 4082) to the north-east of the retort house, looking east. Scale: 1 m (photograph by L. Jervis).

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