

GUARD ARCHAEOLOGY



**Edinburgh Tram Scheme:
Tram construction phase investigation
Data Structure Report
Project 3405**

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Edinburgh Tram Scheme Investigations Data Structure Report

On behalf of: Bilfinger Construction UK Ltd/Edinburgh Trams,
City of Edinburgh Council

NGR: Various

Project Number: 3405

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

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Introduction

- 1.1 This report details all of the archaeological investigations carried out by GUARD Archaeology Limited (formerly GUARD) on groundworks associated with the construction phase of the tram line and includes sites from Edinburgh Airport to Ocean Terminal. Although the present tram line now terminates at St Andrew's Square the work carried out at Leith and at Ocean Terminal has been included. Construction of the tram line provided an opportunity to assess and investigate the archaeological potential of parts of the City of Edinburgh not normally accessible and areas where little was known in addition it also uncovered information on how the city developed in the more recent past.
- 1.2 The work was carried out under the terms and conditions specified in the Archaeology and Heritage Mitigation Plan (AHMP) that was developed by BSC and City of Edinburgh Council before the construction programme started in October 2008. The AHMP was based on a specification provided by the City of Edinburgh Council Archaeology Service (CECAS).
- 1.3 A Data Structure Report has already been produced for work carried out at one of the locations subject to the archaeological monitoring (Broomhouse, Mooney 2011) and a summary of this earlier report has been included. For ease of clarity, each section of the works will be reported separately.

Site Locations

- 2.1 The archaeological monitoring, recording and, where necessary, excavation was conducted on eight sections of the tram line. The report has been laid out following the tram route from Ocean Terminal to Edinburgh Airport and does not correspond to the time frame of when the work was undertaken. Individual locations within these sections are as noted below:-

Area 1. Ocean Terminal

- a. Old Sea Wall
- b. Victoria Swing Bridge
- c. Test Pits
- d. Wall at Chancelot/ ADM Mill
- e. Building at North Leith sands

Area 2. Leith Walk

Area 3. Princes Street

- a. Old Tram Lines and test pits
- b. Crawley Tunnel
- c. Second Tunnel
- d. Vaulted cellars/Chamber on Princes Street
- e. Cellars/Air raid shelter at West end of Princes Street
- f. Stone Drain

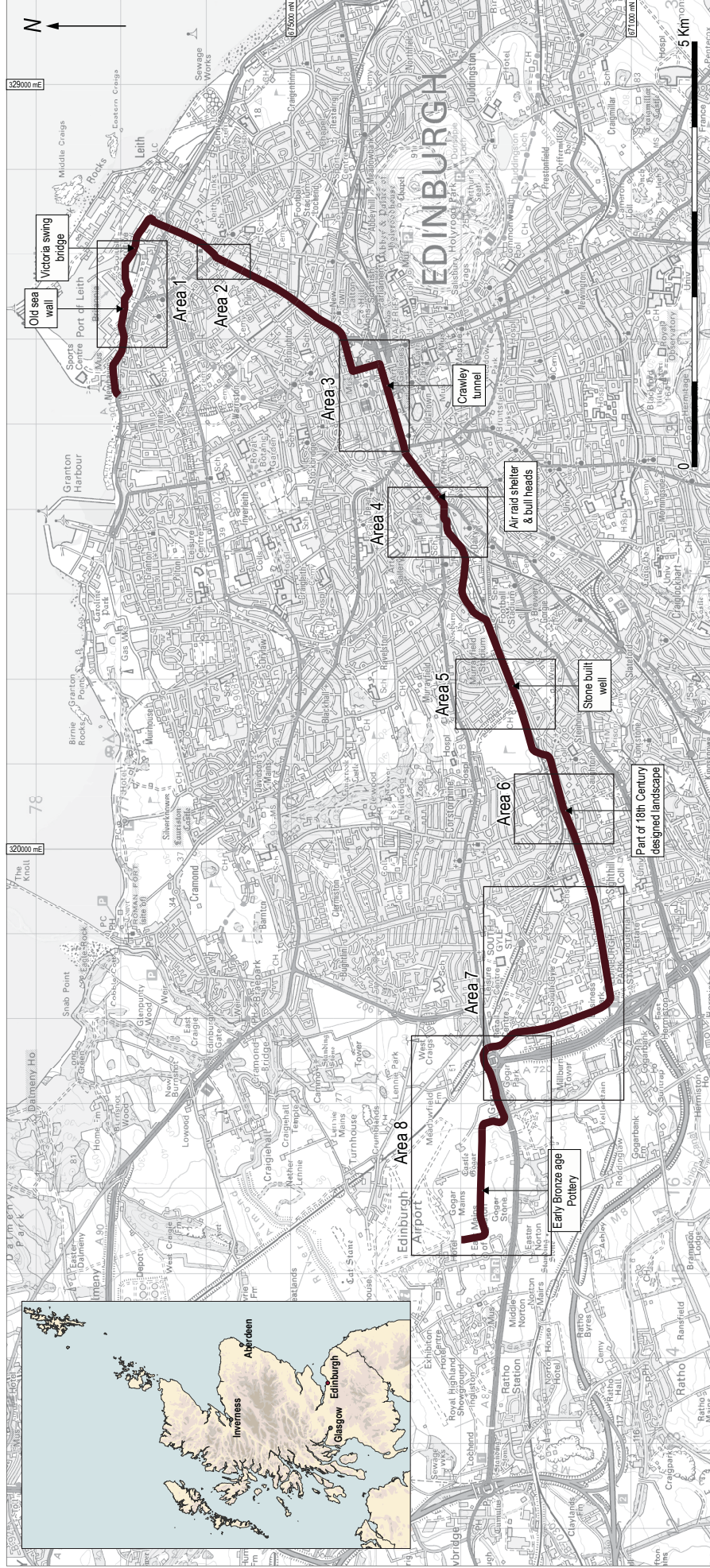


Figure 1. Site location

- g. South Scotland Street
- h. York Place and Broughton Street

Area 4. Haymarket

- a. Bull Heads
- b. Air Raid Shelters
- c. Drain at Caledonian Ale House
- d. Animal bones and midden

Area 5. Balgreen

Area 6. Broomhouse

Area 7. Edinburgh Park

Area 8. Gogar Church to Edinburgh Airport

Area 1: Ocean Terminal (figure 2 location)

3.1 Five pieces of work were carried out at Ocean Terminal; recording of the old sea wall, a second wall at Chancelot Mill and a building at North Leith Sands, monitoring of ground-works for the installation of a foundation pile at Victoria Swing Bridge and recording of test pits prior to the location and re-positioning of services. The present area centred on Ocean Terminal is built on the nineteenth century docklands on ground that is largely reclaimed and built up over the old shoreline with some of the docks and wharves now themselves filled in and built over. The old shoreline was located approximately adjacent to Lindsay Road and Commercial Street now some distance from the sea. With this in mind part of this project was to research historical maps relating to the development of the docks from 1822 until 1933 and to link the archaeological discoveries with these different phases of development as the docks expanded.

3.2 Area 1a: Old Sea Wall (figure 3)

At Lindsay Road there is quite a considerable difference in height between the road and the docks below. When this area was being cleared in advance of constructing a ramp up from the docks part of a substantial old sea wall was exposed. A 25 m long section was uncovered, and investigated. The complete profile of the sea wall was not uncovered only the upper first metre, this was composed of five courses of large rectangular granite and sandstone blocks (1.35m by 0.85m by 0.55m), and the entire structure was built with the outer face at an angle of approximately 45 degrees, sloping down from south to north. Behind the facing stones was a rubble core which had been sealed with brown clay material in order to keep the structure water-tight.

Cartographic evidence indicates that the sea wall dates from the mid to late nineteenth century, as it was recorded on the 1895 1st Edition OS map, but not on Thomson's 1822 map. The sea wall was recorded by digital photography, measured drawing and written description. A plan of the wall was created using a Smart Rover sub-centimetre DGPS.

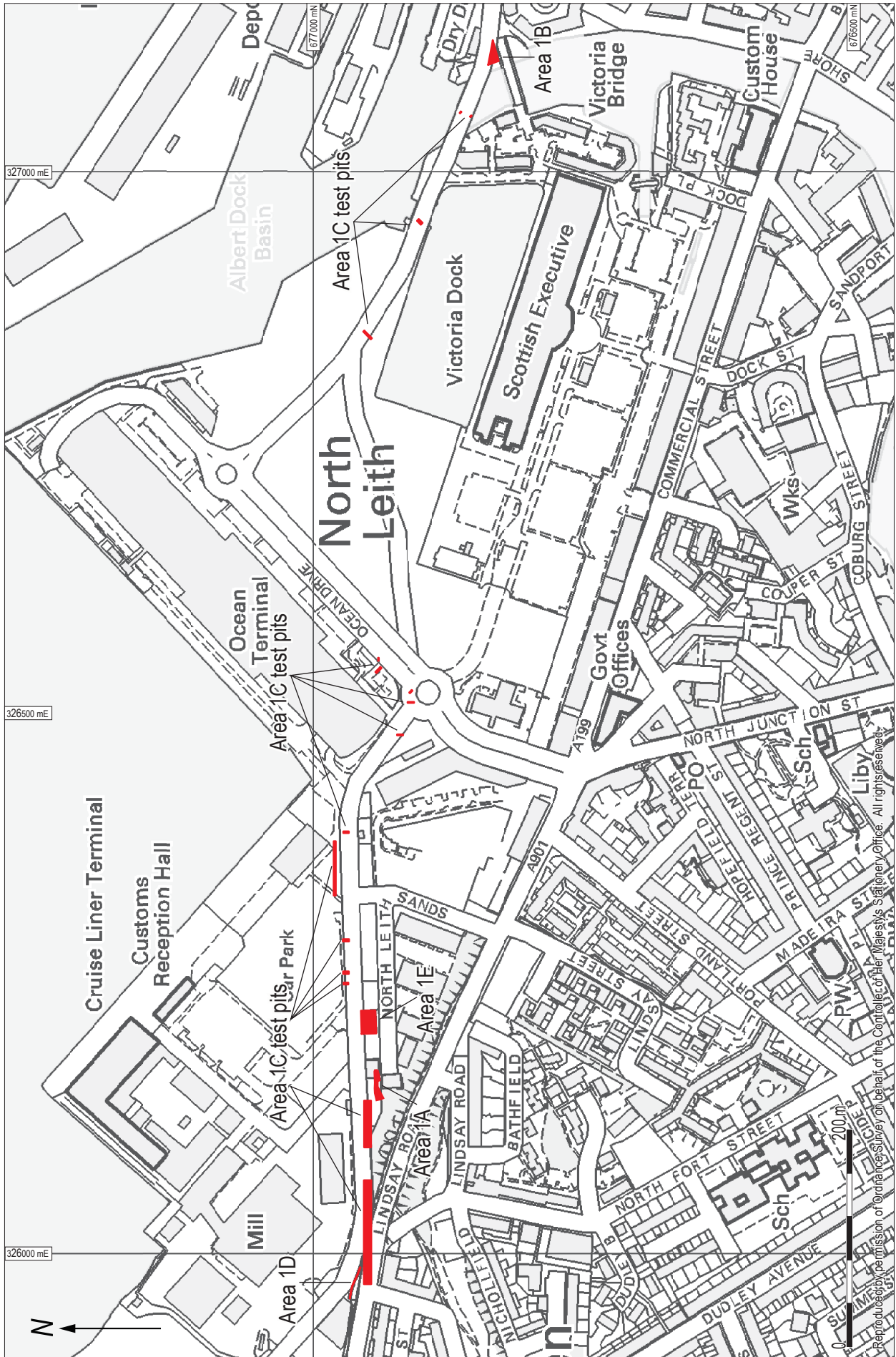


Figure 2: Location of Ocean Terminal areas

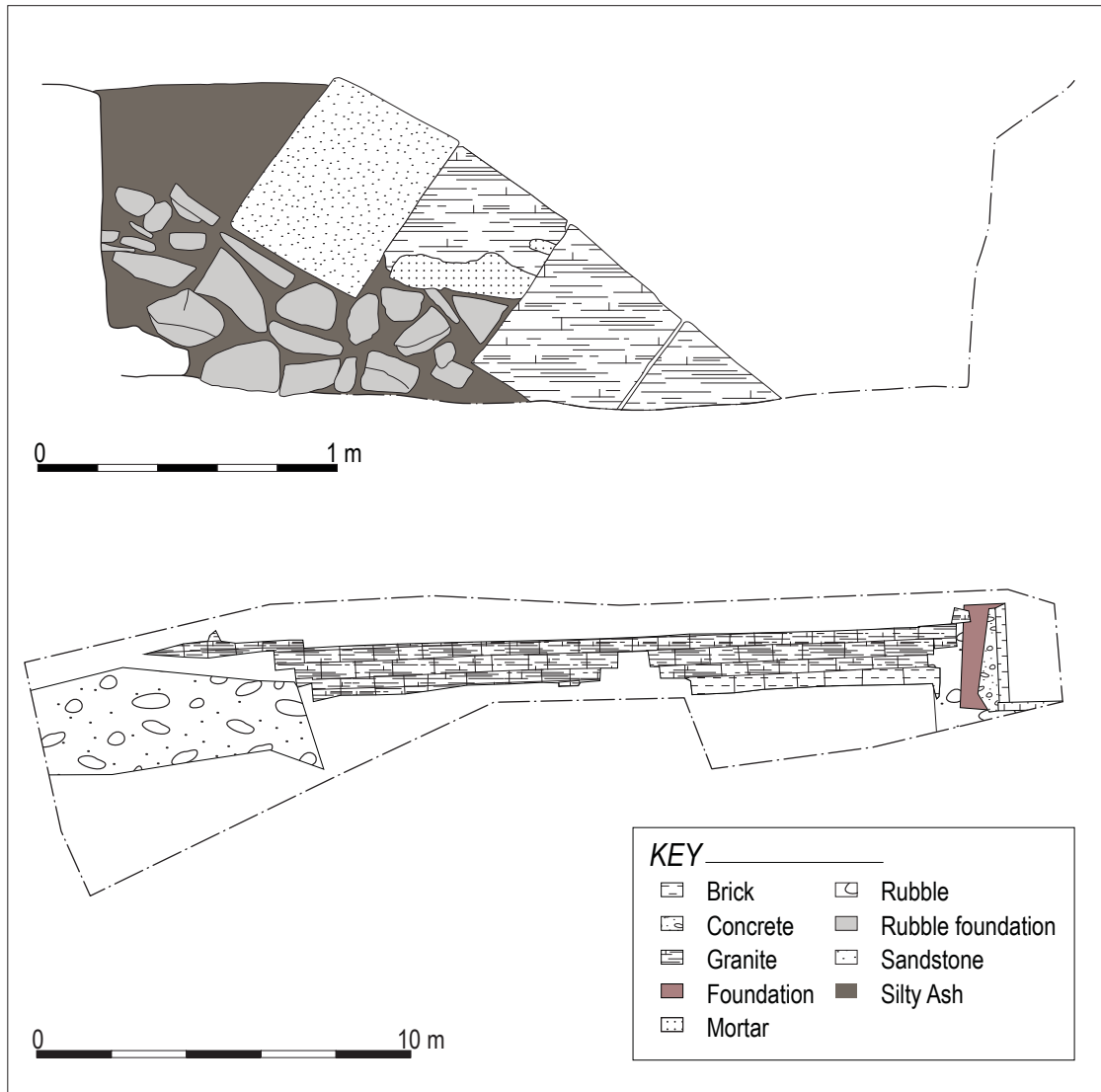


Figure 3: West facing section & survey plan of Old Sea Wall



Plate 1: View of Old Sea Wall from the east



Plate 2: Old Sea Wall and the remains of a structure to the east

3.3 Area 1b: Victoria Swing Bridge (NGR: NT 27085 76817)

At the mouth of the Water of Leith in the Inner harbour, linking the Albert Dock to the Victoria Dock is a late nineteenth century hydraulically-operated swing bridge that formerly carried a private road and dock railway. The bridge would open by turning or swinging round to the east with the superstructure of the bridge fitting into a purpose built recess on the quayside. The engine house for the bridge is located slightly to the south-east next to Ocean drive. The bridge no longer operates and is a Scheduled Ancient Monument (SAM 3709) and is a category B Listed Building (HB Number 27644). Although the bridge itself was not affected by the tram works part of the recess for the bridge when it was open on the south side was going to be built over by work to widen the bridge on Ocean Drive. Similar work on the north side of the river had a more limited impact. The ground-works were monitored in accordance with the Written Scheme of Investigation attached to the Scheduled Monument Consent granted by the Scottish Government.

A foundation trench was machine-excavated on the south side of Victoria Swing Bridge, prior to the placement of a structural pile. A cobbled surface and part of a brick wall was uncovered at NGR: NT 7032 6861. The cobbles had been disturbed by the insertion of modern power cables. These were removed to uncover the solid stone foundation of the quayside below which was then used as a base for the new foundations. The original quayside was protected with geotextile before the new concrete was laid on top.

A watching brief was undertaken during trenching for foundations on the north side of the bridge at the west abutment. Below the existing concrete pavement was a deep deposit of loose brick rubble. As this rubble was being removed a wooden structural pile or pier stanchion was uncovered. A sample of wood from the pile was taken and has been examined (see below). Water was encountered at a depth of 2.1 m below pavement level.

Report on Wooden Stanchion by Dr Susan Ramsay

Two 'slices' were taken through a large timber post that was excavated from the quayside area of the docks at the Victoria Swing bridge, Leith. The maximum trunk radius measured was 210 mm, with the timber having been shaped to a roughly square cross section. A preliminary inspection indicated that approximately 80 – 100 growth rings were present at the thickest parts of the timber, but this is probably an underestimate. The post had been impregnated with creosote.

Analysis of the wood indicated that it was coniferous, due to the lack of vessels and the presence of tracheids with large bordered pits in single rows. Further examination showed that on the radial longitudinal section, the cross field cells show fenestriform pits and the cells of the ray tracheids have dentate cell walls. These features indicate that the wood is *Pinus sylvestris* type (Scots pine type), which includes both *Pinus sylvestris* (Scots pine) and *Pinus mugo* (mountain pine).



Plate 3: General view of Victoria Swing Bridge



Plate 4: Cobbled surface at Victoria Swing Bridge



Plate 5: Old pier stanchion at Victoria Swing Bridge

3.4 Area 1c: Test Pits (various NGRs)

A series of 14 machine-excavated test-pits (approx 2 m by 1 m) and two machine-cut trenches were inspected and recorded at Ocean Terminal in February 2010. These were located on Ocean Drive between Victoria Bridge and Chancelot/ADM Mill. Deposits of made ground were found below the existing road surfaces and related construction layers in each of the pits and trenches.

Two test pits on Lindsay Road were inspected and recorded, with deposits of red blaes found below the existing road surface in both pits.

A further series of pits and augur holes were monitored on Ocean Drive between Mint Casino and Victoria Bridge. Iron rails from the railway in the docks were uncovered set into concrete were found in pit OLE 572A.

No other archaeological deposits or features were found in any of the test pits.



Plate 6: South facing section of Trench 1

3.5 Area 1d: Wall at Chancelot/ ADM Mill (approximate NGR: NT 26016 77051)

At the behest of the City of Edinburgh Council Archaeology Service (CECAS), a curving revetting wall for Lyndsay Road to the south of Chancelot/ ADM Mill was recorded by digital photography and written description. The wall was 13.1 m long 2.45 m high and comprised nine courses of irregular stones capped by concrete that supported iron railings. Additional supports for the railings have been attached to the face of the wall. A drain pipe also protrudes from the upper section of the wall and may be an overflow drain from the road surface above. The building stone was a mixture of shaped rectangular blocks and natural rounded boulders, some of which had been split and roughly shaped. The wall appears to have collapsed in places as there are two areas that have been repaired. The repaired sections consist of smaller stones laid in regular courses but still included natural rounded boulders.



Plate 7: view of wall at Chancelot/ ADM Mill

3.6 Area 1e: Building at North Leith Sands

One of the surviving buildings from the Council depot at North Leith Sands was recorded by digital photography prior to its demolition. The building was located to the west of the electricity sub-station. The building was presumably brick built although all the external walls were rough cast, the north wall had a fire exit at the east end and not other features. The east and south walls had no openings or features. The roof consisted of deeply corrugated asbestos cement sheets that covered the upper portion of the walls and looked to be of a 1960s or 1970s design. The west wall largely consisted of a large concertina door almost to roof height with the remaining section consisting of painted corrugated iron sheeting, this provided vehicle access to the building. Fuel tanks were present in the yard outside. Also in the yard was a slate covered wooden steeple or pagoda salvaged from a building in Leith.



Plate 8: West exterior of depot building



Plate 9: Steeple found in yard of modern building

Area 2: Leith Walk (figure 4 location)

- 3.7 The machine excavation of service trenches was monitored on Leith Walk between Kirk Street and Stead's Place. In the service trench between Casselbank Street and Kirk Street, a cobbled surface was found to overlie a cundy drain. Glass and ceramic from the fill of the drain date these features to the nineteenth/twentieth centuries. The two structures were recorded by digital and chemical photography, measured drawing and written description.



Plate 10. Cundy drain

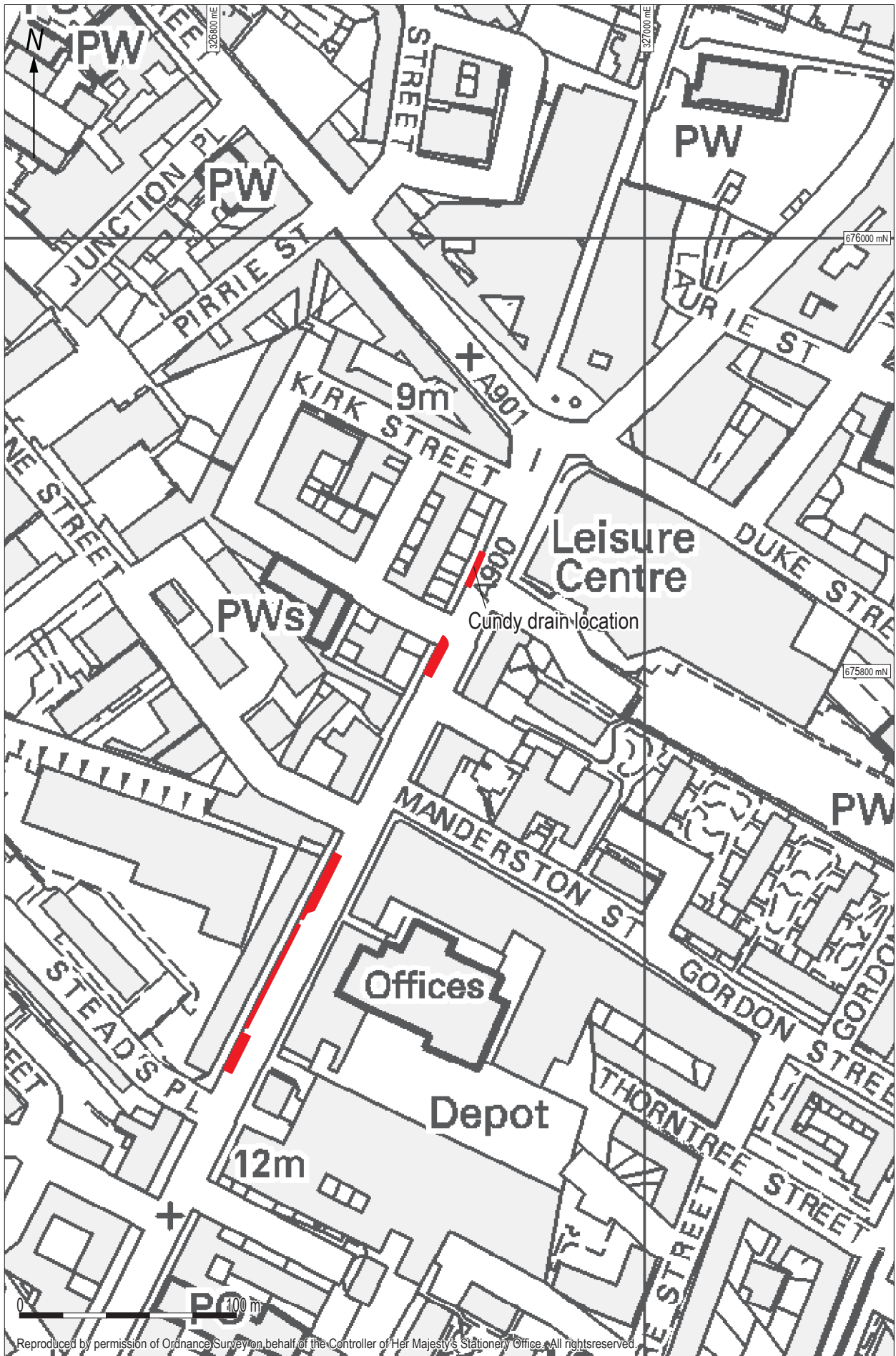


Figure 4: Location of Leith Walk areas

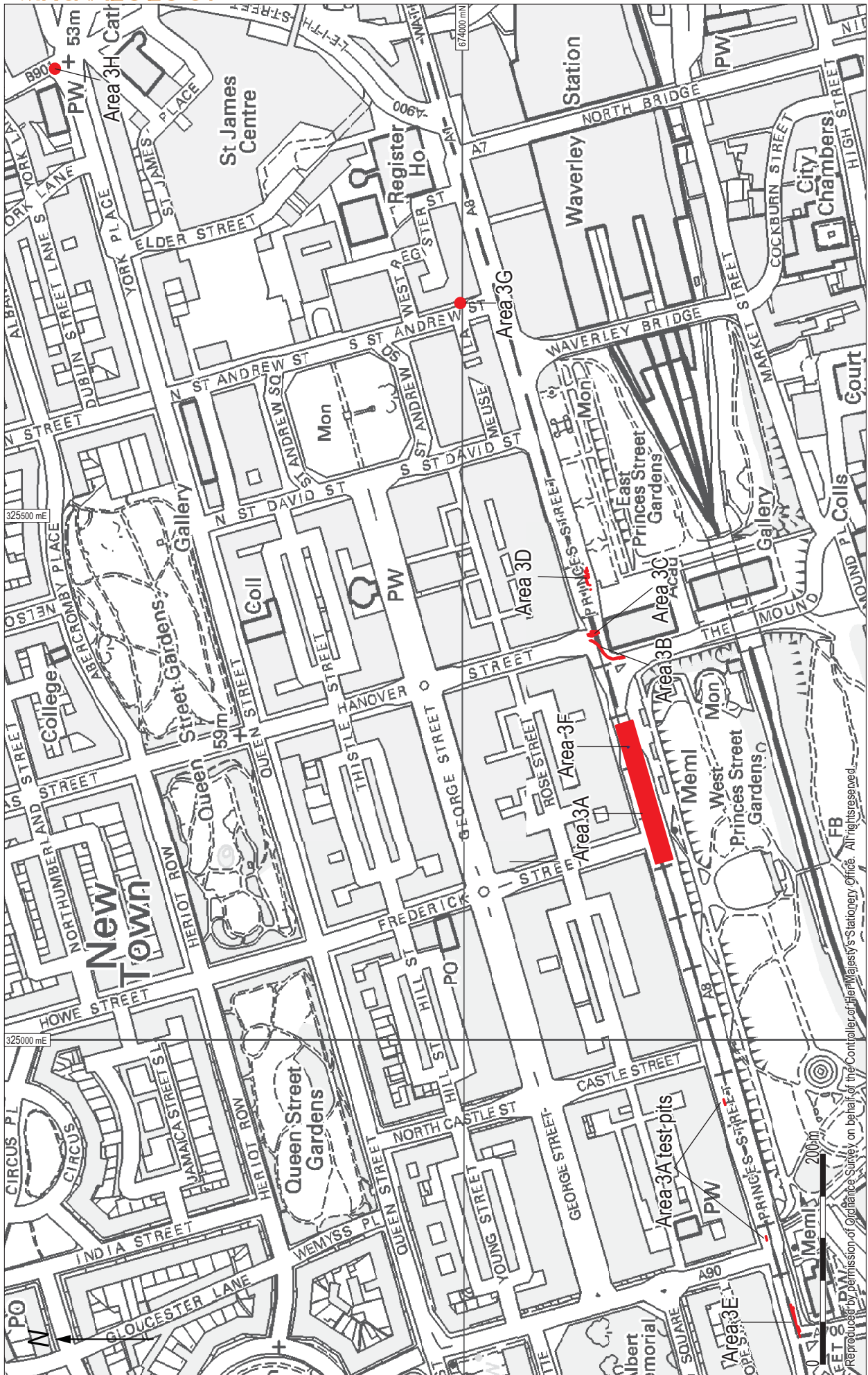


Figure 5: Location of Princes Street areas

Area 3: Princes Street (figure 5 location)

3.8 Historical Background

The area where Princes Street is situated was part of the Loch Bank estate that was bought by the City Council in 1720 with the intention of expanding the city to accommodate its growing population. After the defeat of the Second Jacobite Rebellion, the need to live within the confines of a fortified city was much reduced, and in 1766 a competition to design what is known as the New Town was won by James Craig. In an ambitious programme of urban planning, the Nor' Loch (now Princes Street Gardens) was drained and work on Craig's grid-iron design began in 1767. Originally, Princes Street was solely residential, with houses being three stories high and having a sunken basement to the front (Nimmo 1991, 42). Craig's idea of leaving the south side of Princes Street open has created a visually impressive main thoroughfare for the city.

3.9 Area 3a: Original Tram Lines (figure 6 & 7)

Test Pits

A test trench and pits were excavated across Princes Street to assess the deposits below. All of the deposits below the existing road surface consist of earlier road surfaces and made ground, these probably represent several phases of construction on Princes Street. The earliest of these was re-deposited clay found at the north end of both Test Pits. Above this was a possible levelling layer of medium/heavily compacted grey/brown silty ash and a second layer of made-up ground was found above this ash at the south end of Test Pit 1. This comprised heavily compacted orange and dark brown silty ash and clinker, and was truncated at the north by large stones and a deposit of coarse-grained orange sand. Aside from the nineteenth century tram lines, no archaeological remains were noted in either of these pits.



Plate 11: East facing section of test pit

Tram Lines; NGR 325240/673810 to 325270/673840

Edinburgh's trams were in operation from 1871 until 1956. Originally horse-drawn these were replaced by cable drawn cars in 1888 which ran until 1923, when they were replaced by electric trams (Mullaly 1996, 348-351).

As the existing tarmac road surface was being removed from Princes Street remains of the nineteenth century tram lines were revealed. The outline of both tram lines was visible running along the north side of the street. A 30 m section was then cleaned and investigated. The two tracks were 1.6m apart with the rails 1.3 m apart with the sleepers approximately 2 m spacing. Although the track had been removed the impression of the track was left in the concrete foundation below along with sections of the steel track that had been used as railway sleepers to support the track. These sleepers still remained embedded in the concrete foundations but had been laid up-side down to provide a wider base to lay the main track on.

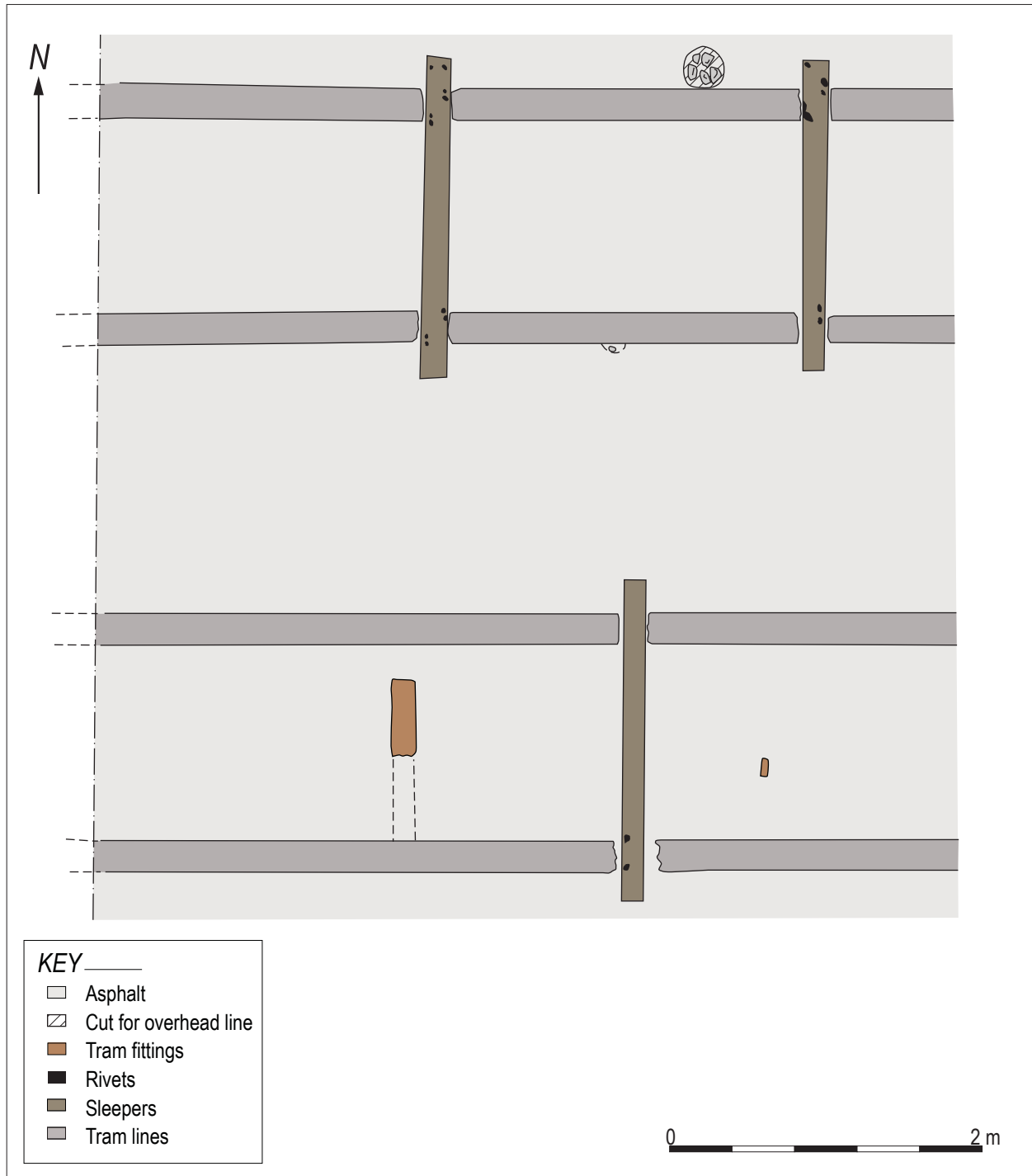


Figure 6: Plan of tramway tracks

Further evidence relating to the tram system was found in both test pits, but survived in a better state of preservation in Test Pit 1. Here, both the westbound and eastbound lines were visible, with intact metal casings around two of the lines. An electric power cable was found within one metal casing, with a layer of concrete above it, presumably put there for safety reasons. Although the tram lines were set into a concrete layer, the metal casings also cut into a heavily compacted layer of concrete and stone that was an earlier road surface.

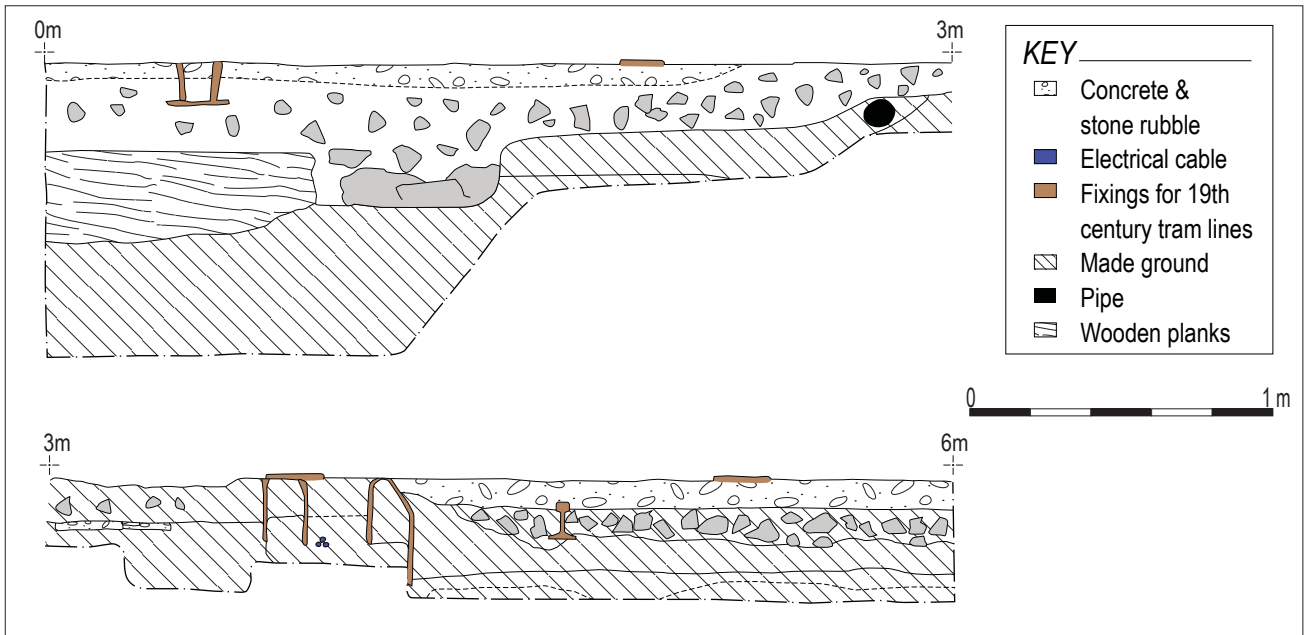


Figure 7: East facing section of test pit 1



Plate 12: Princes Street looking east with tram lines visible in foreground

3.10 Area 3b: Crawley Tunnel (figure 8)

The Crawley Tunnel is an aqueduct that runs approximately from The Meadows to at least Hannover Street and crosses Princes Street at the foot of The Mound. Built about 1821 to house the pipes bringing water into Edinburgh, the structure consists of stone walls with an arched stone roof. Previously a small section of the tunnel was revealed during road works on Princes Street in 1958, when the roof of the tunnel was damaged and the resulting hole repaired. The archaeological works carried out during construction for the Edinburgh Tram network was initially intended to record an exposed length of the Crawley Tunnel. However, further sections of the main tunnel and part of a second tunnel were revealed, necessitating further archaeological work both on these structures and on previously unrecorded Victorian drains adjacent to the tunnels.

A 15 m long section of the Crawley Tunnel was exposed where it crosses Princes Street, the tunnel curves round from the foot of the Mound across Princes Street before continuing along the east side of Hannover Street. The roof and sides of the tunnel was cleaned and examined and several features were noted in the fabric including an area that had been damaged and patched with concrete and concrete kerb stones.

Other features noted on the structure include a truncated section that was capped by a concrete base topped with brick build culverts. The culverts ran towards another section at the corner of the Mound that had been re-built in brick over the original stone walls and was capped with steel plates bolted to the brick and concrete walls. The extent of the tunnel affected by the tram works was exposed and cleaned, during which process areas of damage, repair and rebuilding were revealed. The damaged and repaired section consisted of an area of approximately 1.5 m by 2m and had been repaired using concrete kerbstones, bricks and concrete. In other areas of the tunnel roof grooves for services and pipes had been gouged out of the stonework while other areas had been damaged by the construction of foundations and culverts associated with the earlier tram lines.

As the exposed section of the tunnel would carry the new tram lines on Princes Street, the existing tunnel structure was not suitable therefore once the tunnel was recorded the arched roof was removed and replaced with a reinforced concrete slab.



Plate 13: Crawley Tunnel exposed with arched roof



Plate 14 : Crawley Tunnel with roof removed and water pipes exposed

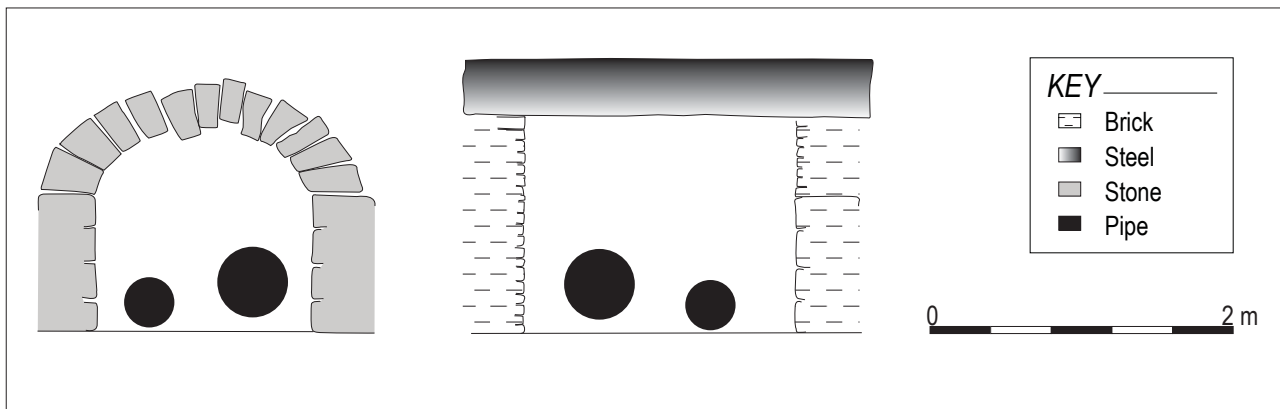


Figure 9: Crawley tunnel North & South tunnel profiles.

Chamber at the foot of the Mound

Access into the tunnel was established at the foot of the Mound at a point where the roof consisted of curved steel plates bolted together and fitted into supporting iron girders. Each steel plate was 1.6 m by 1.07 m and 15 mm thick with a 0.3 m circular plate in the centre attached by five bolts. These plates covered a circular hole each circular plate had three bolts forming a bracket on the underside (inside the tunnel) possibly to hold a pipe. Two of the plates bolted together and supported on girders spanned the chamber. Each plate was curved across the width to give a bend of 0.12 m at the centre. When the plates were removed two small squares were cut out of the plates so that chains could be attached, each of these squares 140 mm by 140 mm weighed 2.212 kg which gives an indication of the scale of the engineering involved. A possible original manhole was identified in the roof at the north end of the chamber, this was built from girders and sealed with short lengths of similar iron girders with concrete and brick.

A five metre section of the steel roof was removed to reveal a brick built chamber with walls 2 m high that was 2 m wide at the north end but widened to nearly 3 m at the south with a narrow chamber off to the west. The lower section of the east wall consists of four courses of presumably the original stone wall of the tunnel but the upper portion is built of 11 courses of brick. The west wall is built completely from bricks (21 courses) and has seven square metal fittings attached to it. These fittings are 0.6 m by 0.6 m with a square recess in the middle and a bracket at the bottom. These fittings continue beyond the limits of the chamber to the north where there are similar fittings on the east wall too. These fittings presumably relate to testing or maintenance of the pipework. As part of the current work a new pipe had been inserted through the west wall into the chamber.

To the north the chamber continued with a steel plate roof before reverting back to the arched tunnel. At this point the arch and 'mouth' of the tunnel is built of brick and a metal gate has been inserted to block off access to the tunnel.

The tunnel section on the south-east corner of Princes Street and the Mound appears to have been rebuilt as the walls had been built in brick, while one area of the roof consisted of curving iron sheets that had been bolted to the walls. The tunnel was recorded by chemical and digital photography, by measured drawing and by written description.

A large iron water pipe that runs down the west side of the Mound and links across to the pipes within the Crawley Tunnel was replaced during these works, and a large stone built drain was uncovered directly beneath the existing pipe, the uncovered drain was photographed and recorded prior to being dismantled. The drain comprised two irregular-coursed masonry walls, each 0.3 m thick and about five courses high (0.65 m). The interior faces were well made and vertical while the exterior faces were irregular. The walls were built over a stone base slab and were capped by large flat stones. The interior of the drain was completely filled with a deep deposit of grey gritty silt with frequent inclusions of gravel. The base of this deposit consisted of orange/brown grit.

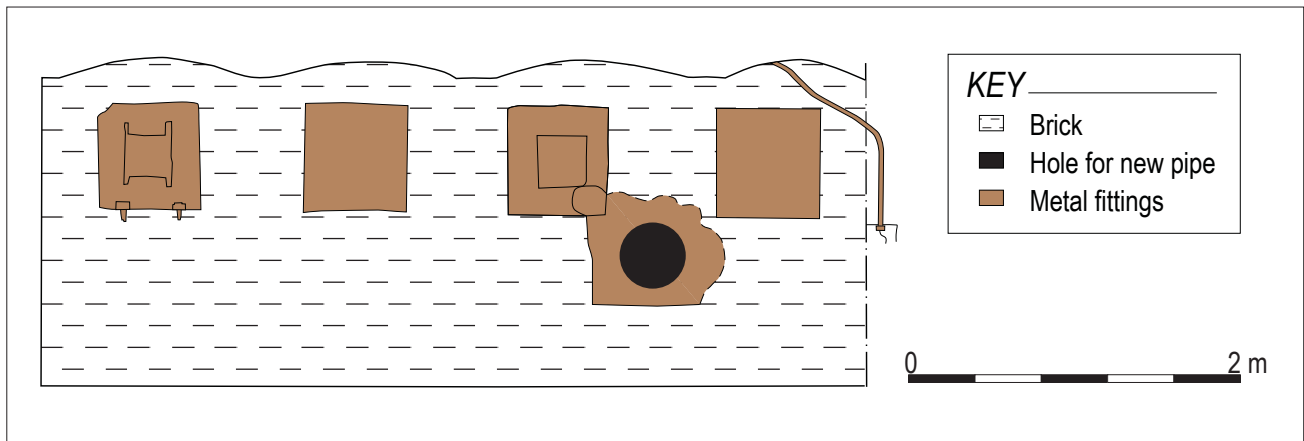


Figure 11: East facing elevation of the Mound, Crawley Tunnel



Plate 15: Chamber at foot of Mound

3.11 Area 3c: Second Tunnel

As archaeological recording of the Crawley Tunnel was being completed, another similar section of tunnel was uncovered to the east immediately to the north of the Royal Scottish Academy. As work continued it appears that this tunnel joins with the first tunnel at the foot of Hannover Street as at the northern limit of the excavation both tunnels converge. Due to the construction programme and disturbance caused by the later insertion of deep sewers with manholes that cut through the tunnel, it was not possible to investigate the full length of the tunnel as it crossed Princes Street. Similarly although the tunnel appeared to continue under the pavement and even under the Royal Scottish Academy building this was not confirmed as this section was not affected by tram construction works and remained undisturbed (the presence of live services along the pavement edge also meant it was not possible to investigate further in this area).

The section of tunnel investigated was approximately 10 m long north-south, at some point in the past the stone roof had been partly removed and the tunnel completely filled in with earth and rubble. This material, was removed by machine under archaeological supervision, was sifted and investigated using a metal detector in order to retrieve any datable artefacts. Once the section of the tunnel had been emptied it was cleaned and recorded. The tunnel roof was 1.7 m high and 1.5 m wide (internally) with a small chamber off the east side. The north end was blocked by the insertion of a deep stone built manhole that connected with a sewer 5 m below that was still in use, another manhole this time made from concrete had been cut into the west wall of the tunnel. The floor, walls and roof of the tunnel were built of rectangular coursed sandstone masonry with an arched roof. The building stones were on average 0.9 m by 0.25 m by 0.3 m.



Figure 10-

Figure 10: Plan of Crawley tunnel at Princes Street

On the east side of the tunnel was a small chamber 3.4 m by 1 m, the roof of which consisted of large rectangular flat stone slabs up to 1.8 m by 0.5 m by 0.2 m. These slabs were removed along with the soil and rubble that partly filled the interior. This revealed that some of the stones forming the floor had been removed to reveal a light brown clay subsoil and that a large steel pipe had been inserted through the north wall. At the doorway in the south west corner linking the room with the main tunnel, the stones had been cut away and the wall face angled presumably to facilitate running the pipe through and along the tunnel to the south. At the north end of the tunnel another pipe had been inserted through the west wall and part of the east wall opposite had also been cut away.

This second tunnel was different from the other tunnel in that the walls were higher (internal dimensions 1.7 m high and 1.5 m wide while the main Crawley Tunnel was 1.4 m high and 1.5 m wide). The Royal Scottish Academy was built between 1822-26 and is therefore contemporary with the construction of the Crawley Tunnel as construction started in 1821 and it maybe that the two tunnels reflect a change in the design or route to accommodate the building of the Royal Scottish Academy the tunnel being diverted to the Mound.

Once the tunnel and side chamber was recorded the stonework was protected by geotextile and the tunnel completely filled in with gravel.

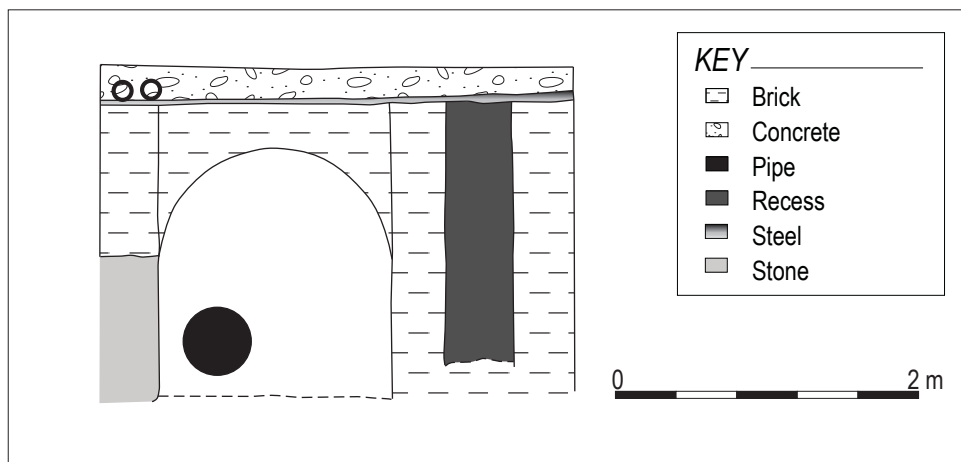


Figure 12: East facing elevation of the chamber of Crawley Tunnel on the Mound



Plate 16: View of Second tunnel



Plate 17: Chamber on East side of Second tunnel



Plate 18: Crawley Tunnel structure



Plate 19: Both Tunnels converging at foot of Hannover St

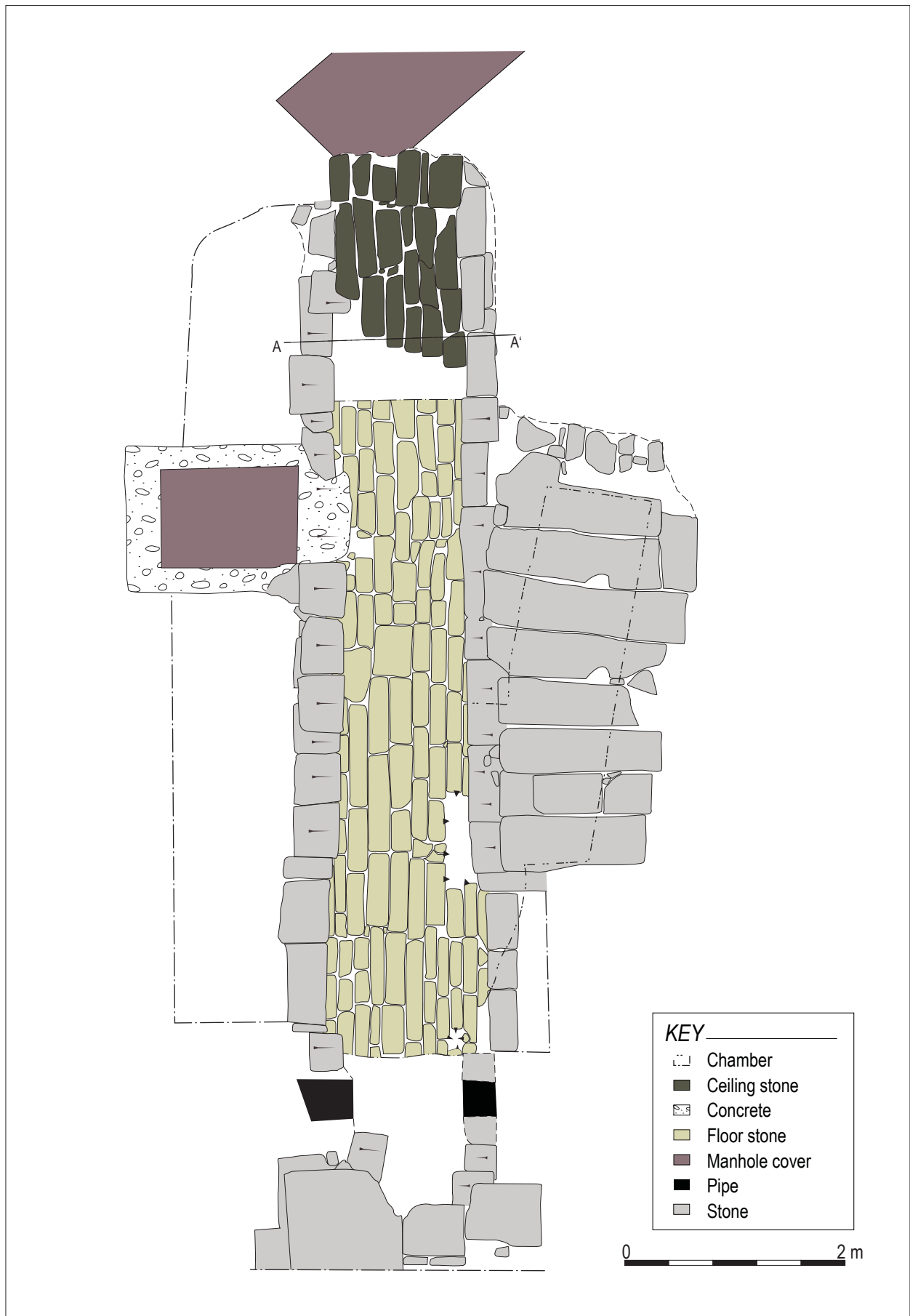


Figure 13: Plan of the second tunnel, Princes Street

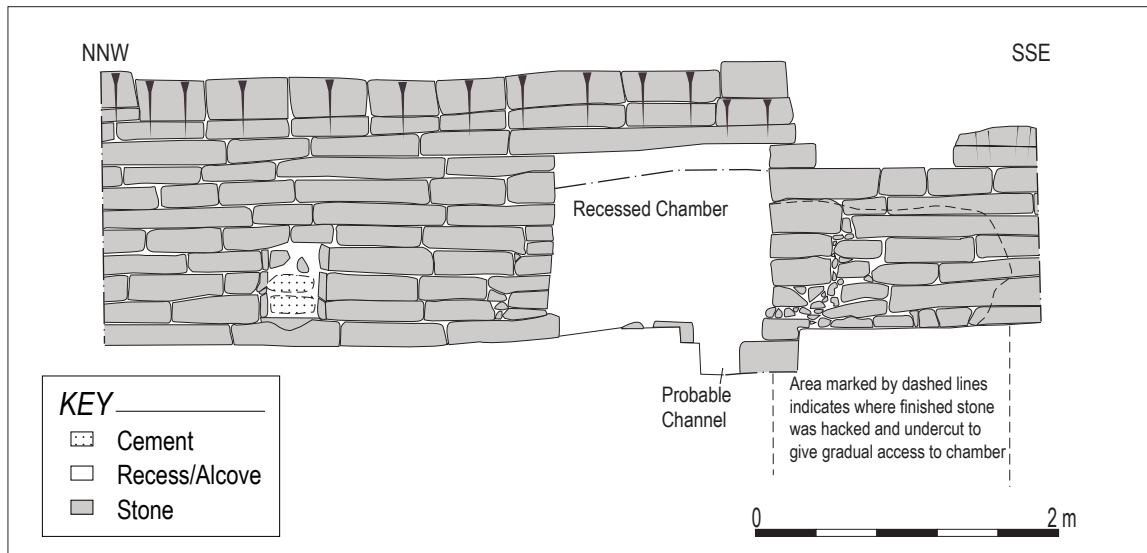


Figure 14: West-northwest facing section of Crawley tunnel

3.12 Area 3d: Vaulted Chamber/Cellars on Princes St (between the Mound and the Scott Monument)

Construction work associated with both the services diversions and the tram construction programme uncovered several cellars along the south side of Princes Street between the Mound and the Scott Monument. Although some of these may relate to earlier buildings that were built before the construction of Princes Street it is more likely that these represent cellars possibly for coal for the buildings that front onto the north side of Princes Street and that they continue under the road.

During the construction phase the cellars were uncovered in the trench for ducting that was located on the south side of the tram foundation base. In an 85 m long stretch to the east of the Mound, five cellars were uncovered along with several stone built drains and manholes that had been cut into the roof of the cellars or between the cellars. The trench for the ducting was 1.2 m wide and a maximum of 1.3 m deep from the original tarmac road surface, the highest point of the cellar roof was approximately 1 m below the road surface. The archaeological investigations were limited to the size of the ducting trench. Despite the insertion of multiple services that criss-crossed the trench it was possible to investigate and record the cellars. In most cases the cellars were not accessible although there were holes in the roofs, the cellars were partly filled with soil and debris and any voids were later filled with gravel. In one instance the vaulted roof collapsed and it was possible to enter the cellar prior to it being filled in.

The cellars were constructed with stone built walls with a vaulted red brick roof. The walls where visible were up to 0.8 m wide and built from irregular coursed roughly shaped stones. The trench appears to be close to the 'front' or south wall of the cellars and corners with the side or north-south walls were uncovered along with part of a doorway on the south wall. Although the roofs were red brick two of the cellar roofs had two lines of large long thin stones (0.7 m by 0.15 m) on either side of the apex of the vault presumably to strengthen the roof or to provide a stronger anchor point to the south wall. The cellars appear to be between 2 m and 2.5 m wide although the length could not be determined due to the limited width of the trench. Where it was possible to look into the cellars there were often blocked doorways or recesses in the walls that may have linked into cellars or rooms.

One cellar that was uncovered and partially emptied during the service diversion work which was monitored by Headland Archaeology Ltd was found to be 1.6 m long, 1.4 m wide and 2.8 m high with three blocked doorways located on the east, west and south walls (information from Headland Archaeology Ltd internal report supplied by CECAS).

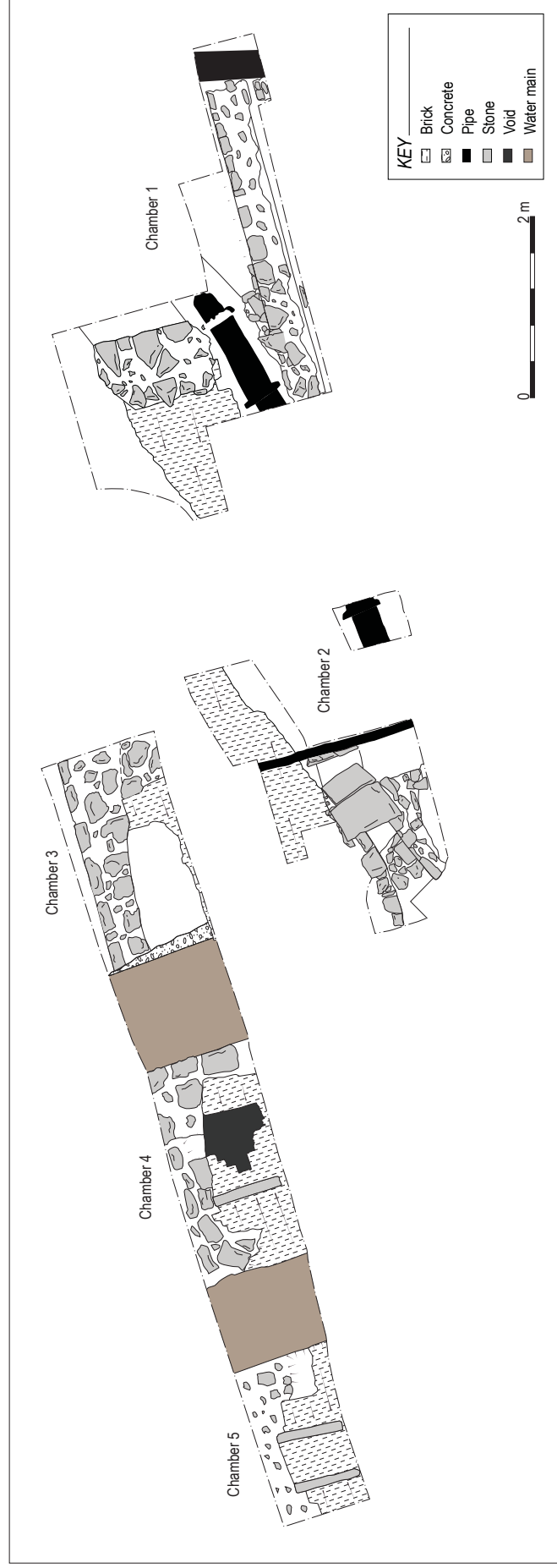


Figure 15: Plan Princes Street vaulted chambers



Plate 20: Pre-excavation view of three chambers



Plate 21: Interior of Chamber 1



Plate 22: Blocked-up recess in Chamber 1

3.13 Area 3e: Cellars/Air raid shelters at the west end of Prince's St

As the work on the Crawley tunnel was being completed a series of brick built chambers were partly exposed at the west end of Princes Street by the junction with Lothian Road. These were photographed and their extent and location surveyed. These may be an eastern extension of similar chambers that were exposed during service diversion work at the corner with Lothian Road and Hope Street/Shandwick Place. The underground chambers were exposed in two places, one section was 11 m long and 0.9 m wide but widened out to 2.4 m at the east end where there were alcoves and recesses in the north wall. The other section was 5 m long and 1.45 m wide with a recess on the north wall.

3.14 Area 3f: Stone Drain; NGR 325279 673842

This stone-built shaft was an entry-point to a sewer that ran east-west along Princes Street. The shaft measured 0.63 m by 0.63 m and was oriented NNE/SSW. Mortared stones were found to a depth of 2.65 m from current ground level; thereafter, the shaft opened out into a sewer with running water visible at the base. The depth from ground level to the water was about 6 m. The instability of the disturbed ground and the vertical nature of the sewer shaft were regarded as potential health and safety concerns. The sewer shaft was, therefore, only recorded by digital photography and written description.



Plate 23: Stone manhole

3.15 Area 3g: South Scotland Street

A stone and brick arched drain and a vault-roofed cellar was exposed during ground-works. The cellar was on the east side of the street next to the pavement and may be one of several that run the length of the street and connect with the shops as parts of other possible cellars were visible in small service trenches and manholes on the pavement. The cellar was 2.75 m wide and 1.35 m in length, the height of the cellar could not be determined as it was filled with rubble but roof was brick built and had partially collapsed, while the cellar walls were of stone with occasional brick supports. A drain or coal chute was observed at the north-east corner of the structure. The remains were recorded by digital photography, written description and measured drawing. The locations of the features were surveyed by an Edinburgh Tram Scheme surveyor.

3.15 Area 3h: York Place and Broughton Street

During service diversion work on the corner of York Place and Broughton Street a steel box structure was uncovered immediately below the tarmac road surface. The service trench ran diagonally across the road and 1.34m of steel section was uncovered. The structure was made from steel plates bolted and riveted together and was 1.34m long by 0.7m wide and 0.4m high with a channel down the middle. The sides were set in concrete with some brickwork on the north side. The steel uprights were removed to lay the new service pipes but the lower structure was left in place. With the uprights removed it was possible to see the channel continue to the east in the trench edge. This channel and the steel structure may relate to the previous tram system which relied on cables to pull the trams. Similar steel work had been exposed during earlier service diversions in the area.



Plate 24: Trench location



Plate 25: Detail of steel structure

Area 4: Haymarket (figure 16)

3.16 Area 4a: Bull heads.

Four stone carved bull heads were displayed in the flower beds outside Roseberry House on Haymarket Terrace. The flower beds had become heavily overgrown and the bull heads were largely covered by foliage, they were re-discovered when trees and shrubs were cut down. The story of their 'discovery' was picked up by the Edinburgh Evening News and partly as a result the subsequent publicity the heads were fully exposed by archaeologists and then removed to temporary storage in the BSC depot on Leith Walk. Further research suggests that the bull heads had formed part of the frontage of cattle pens and yards located next to the railway line on the site now occupied by Roseberry House. When writing about the Haymarket area in his history of Edinburgh Old and New written in the 1880s, Grant describes the following:

the extensive slaughter-houses, which extend from the street eastward to Lochrin, having a plain yet handsome entrance, in the Egyptian style, adorned with great bull's heads carved in freestone in the coving of the entablature. These were designed by Mr David Cousin who brought to bear upon them the results of his observations made in the most famous abattoirs of Paris. (Grant 1880s, 218).

Similar Bull heads still form part of the surviving gable of the Edinburgh Meat Market at Fountainbridge that was built in 1884. The excavation, removal and storage of the bull heads were recorded by digital photography.



Plate 26: bull heads in foliage



Plate 27: bull heads in foliage



Plate 28: bull heads in foliage



Plate 29: Fountainbridge Edinburgh meat market gable with bull heads

3.17 Area 4b: Air raid shelters (figure 17)

A series of interconnected chambers was uncovered at Haymarket Junction and West Maitland Street during works at Haymarket. The surviving section was approximately 100 m long and 1.2 m wide and 2 m deep and comprised brick walls with a metal girder and corrugated iron sheet roof. The chambers were compartmentalised with an off-shoot running south from the main chamber, and a second blocked chamber or tunnel running south-east towards Morrison Street from the south off-shoot. Further east there was another off-shoot to the north for an entrance/exit at Grovesnor Terrace. It is thought that these chambers were originally the pulley rooms for the nineteenth century cable powered trams but they were then used as air raid shelters (John Lawson pers com). Their use as air raid shelters is suggested by a series of black stencilled notices on the whitewashed walls including an 'Emergency Exit' notice adjacent to an iron ladder leading to a ground-level manhole, 'No Smoking' signs and arrows pointing to exits. There was also evidence for notice boards on the wall along with graffiti. Although the rooms were largely empty there were the remains of two toilet cubicles in a widened area next to the emergency exit at the west end of the tunnel and drains in the floor and evidence of washing facilities. The tunnels were recorded by digital and chemical photography, measured and sketched drawings and by written description, following which they were in-filled with concrete, the walls being protected by plastic membrane.

Artefacts

Three artefacts were recovered from within the air raid shelter these consisted of a small badly corroded metal pail with a twisted wire handle similar to a painter's pail, a brown glass beer bottle with the stamp Drybrough, Edinburgh and one of the Bakelite type light fittings that were fixed to the upper walls of the chambers. Three rivet heads and one of the steel spacer blocks were also recovered from the steel roof structure as it was being dismantled.



Plate 30: West end of shelter at Haymarket Terrace



Plate 31: Central chamber at Haymarket



Plate 32: East end of shelter on West Maitland Street

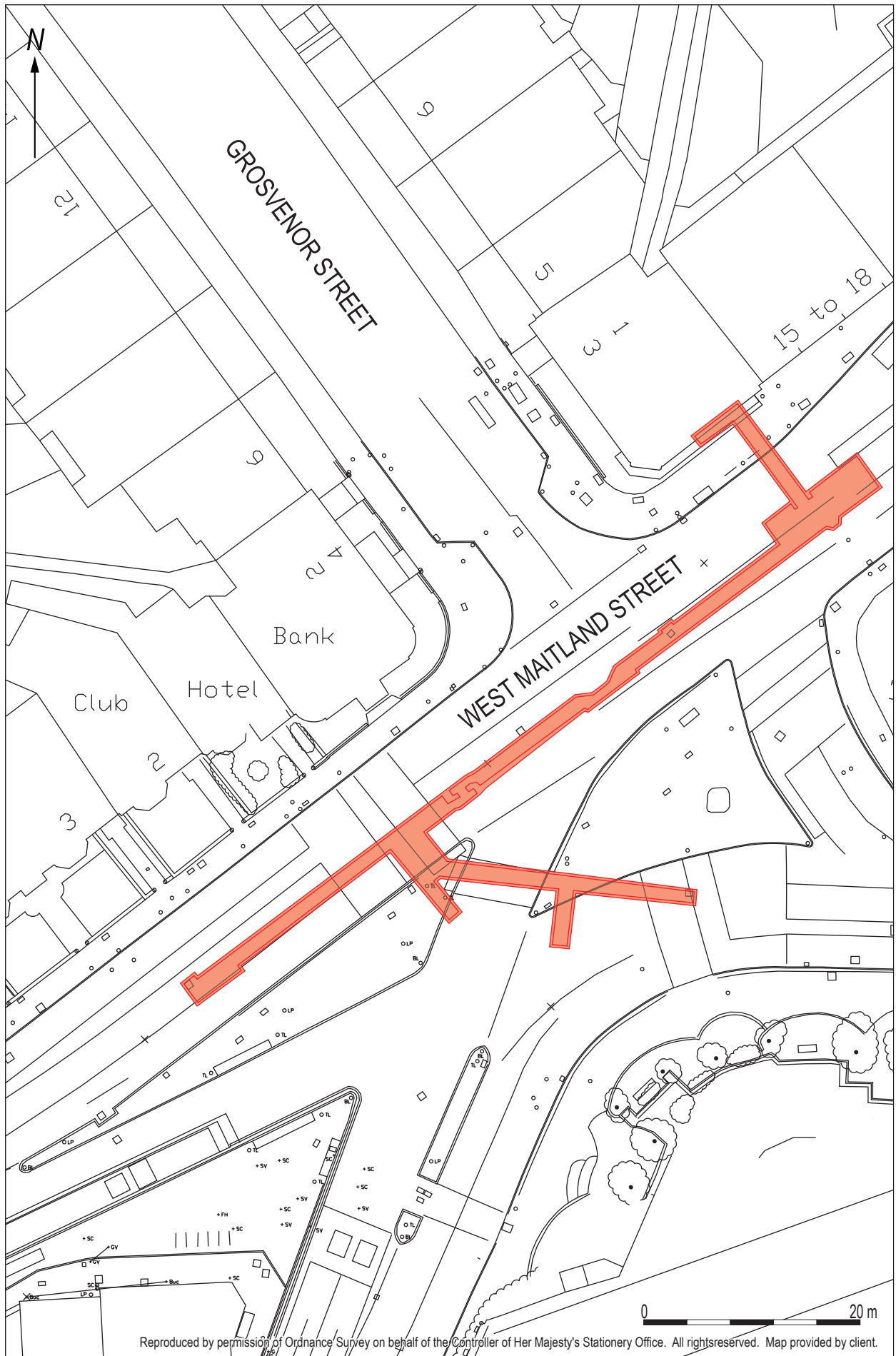


Figure 17: Detailed location of Haymarket air raid shelter

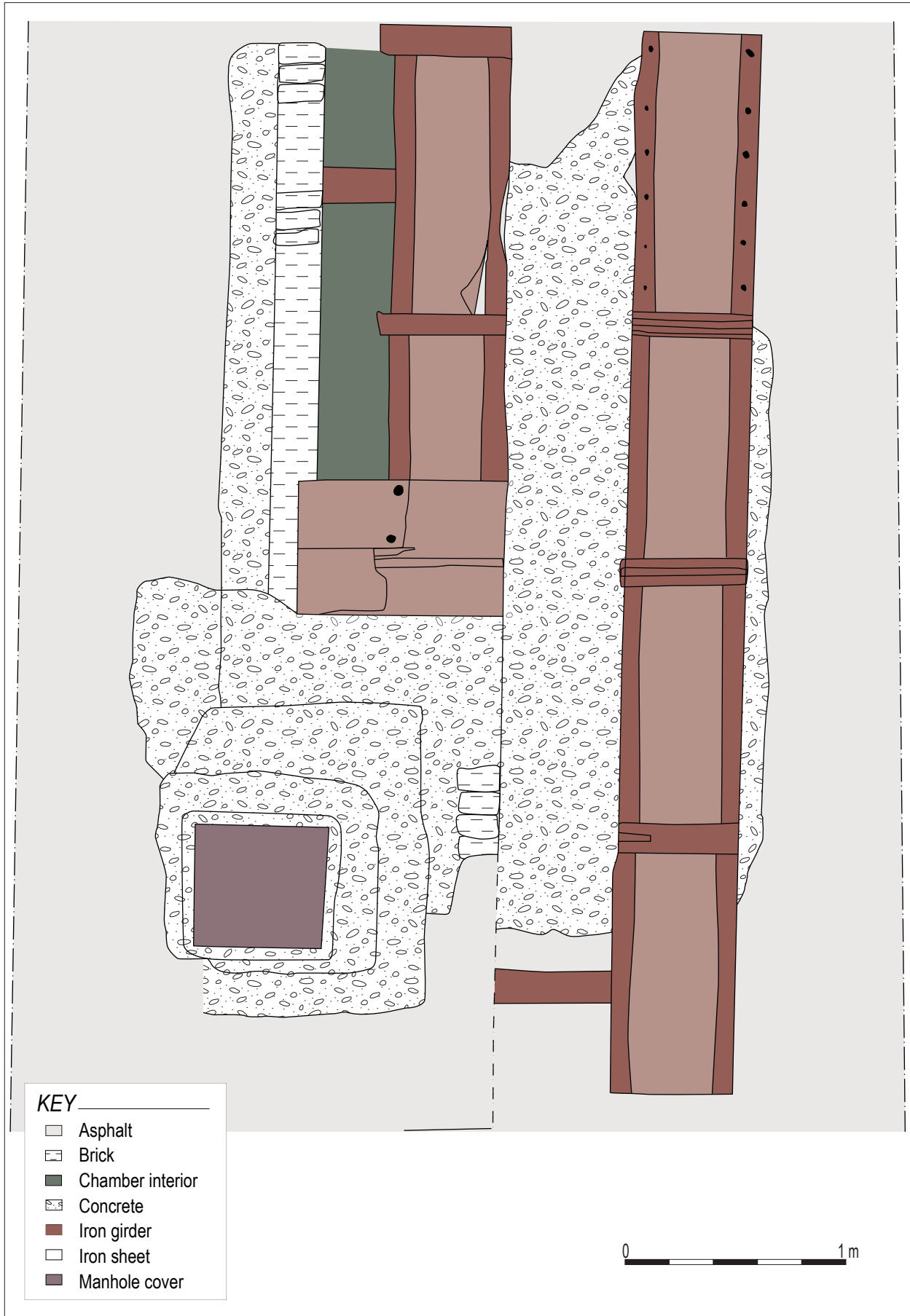


Figure 18: Plan of roof and deposits at west end of shelter

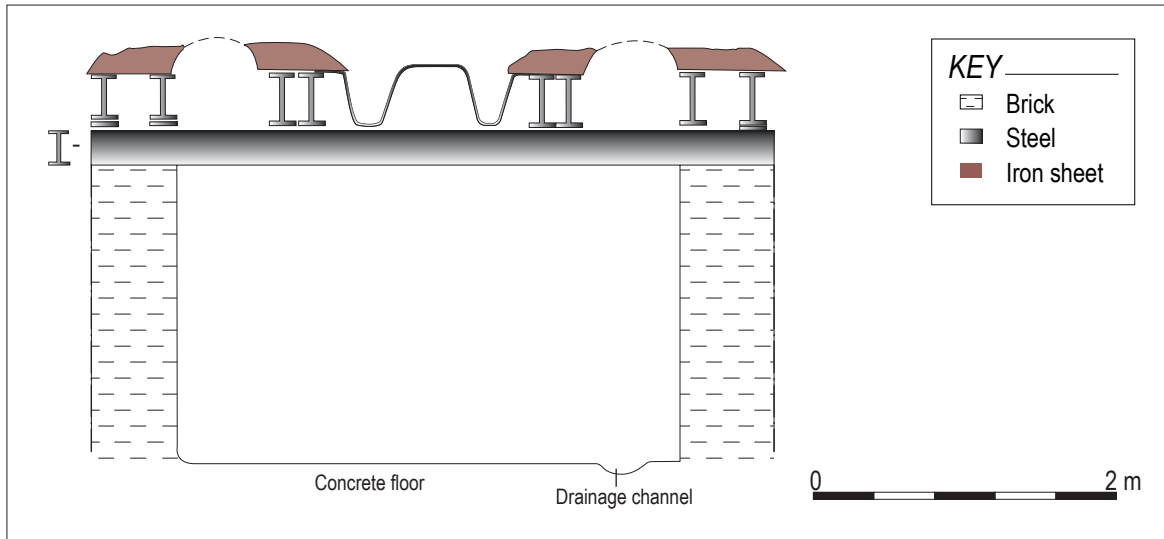


Figure 19: West Maitland Street air raid shelter profile of steel roof



Plate 33: Plan of metal roof at west end of shelter



Plate 34: Emergency Exit at west end of shelter



Plate 35: Main shelter after removal of debris and water



Plate 36: Signage on shelter wall

3.18 Area 4c: Drain at Caledonian Ale House

After the building that was latterly the Caledonian Ale House immediately adjacent to Haymarket Station on Haymarket Terrace was demolished a stone built drain was found below the foundation level of the former public house. Although built from roughly squared stones at the west end it led into a channel cut into the bedrock at the east end under the former building.

3.19 Area 4d: Animal bones and midden

Fragments of bones were exposed on the tram corridor at Rudson Road, this was reported to GUARD Archaeology and a human remains specialist immediately visited the site. Examination of the bone fragments revealed them to be pig or cattle metatarsals and they appeared to be from a probable nineteenth century midden deposit. No further action was taken.

Area 5: Balgreen Well (figure 20)

3.20 During groundworks a well was uncovered at Balgreen. The circular well was a dry-stone construction with a diameter of 1.5 m and a depth of at least 4 m. A metal pipe protruding from the north-west edge of the well was probably a more recent addition. The top of the well was capped by sandstone blocks.



Plate 37: Stone well



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Figure 20: Location of Balgreen Well

Area 6: Broomhouse Drive (figure 21)

- 3.21 The archaeological remains investigated at Broomhouse Drive comprise a sub-circular enclosure of probable eighteenth or nineteenth century date that may be related to the designed landscape of Old Saughton House. A report on these findings has been submitted to Bilfinger/Berger (Project 3405). An archaeological watching brief on three areas at Broomhouse Drive did not uncover any other archaeological remains.



Plate 38: Photo of excavation

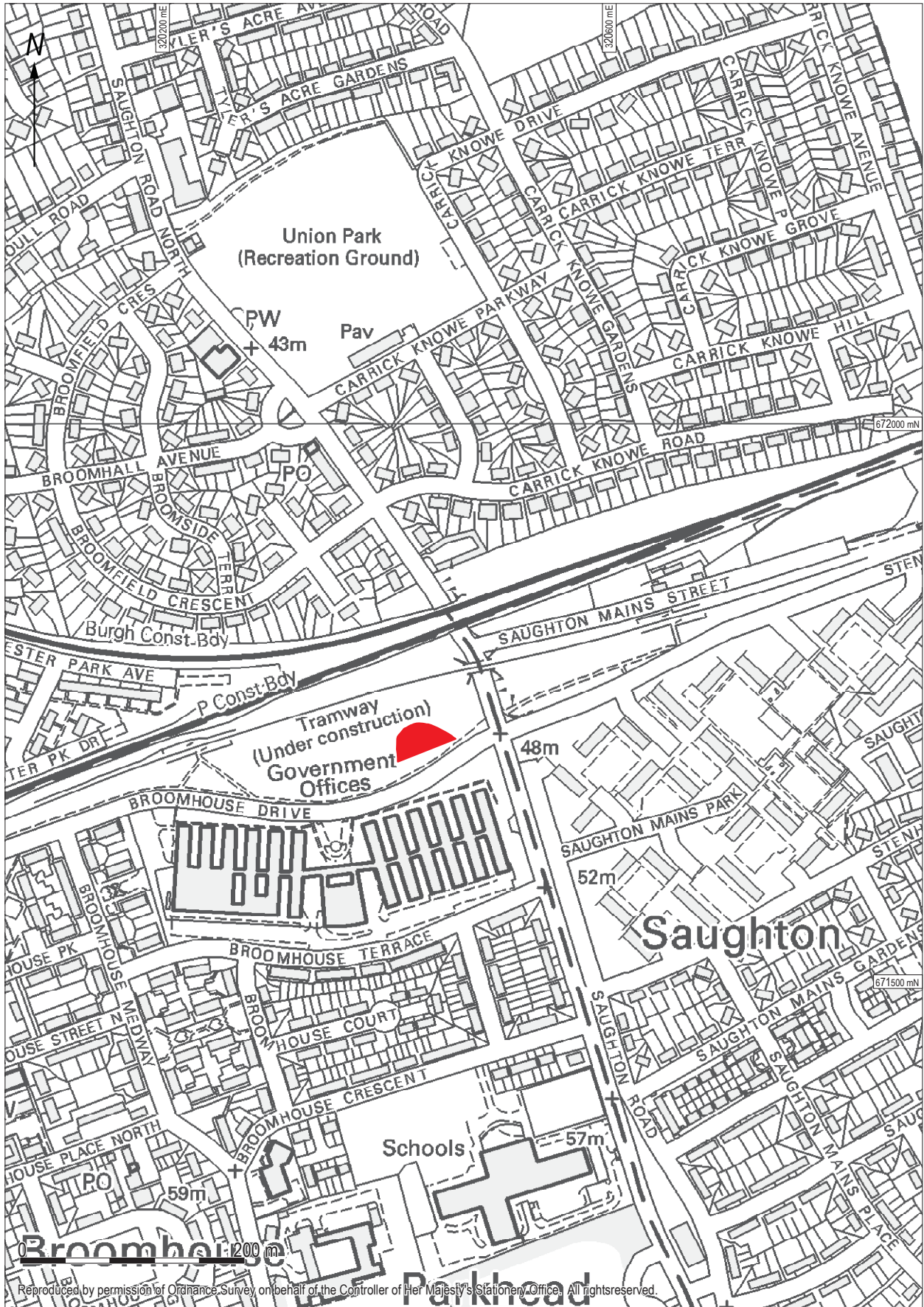


Figure 21: Location of Broomhouse Drive

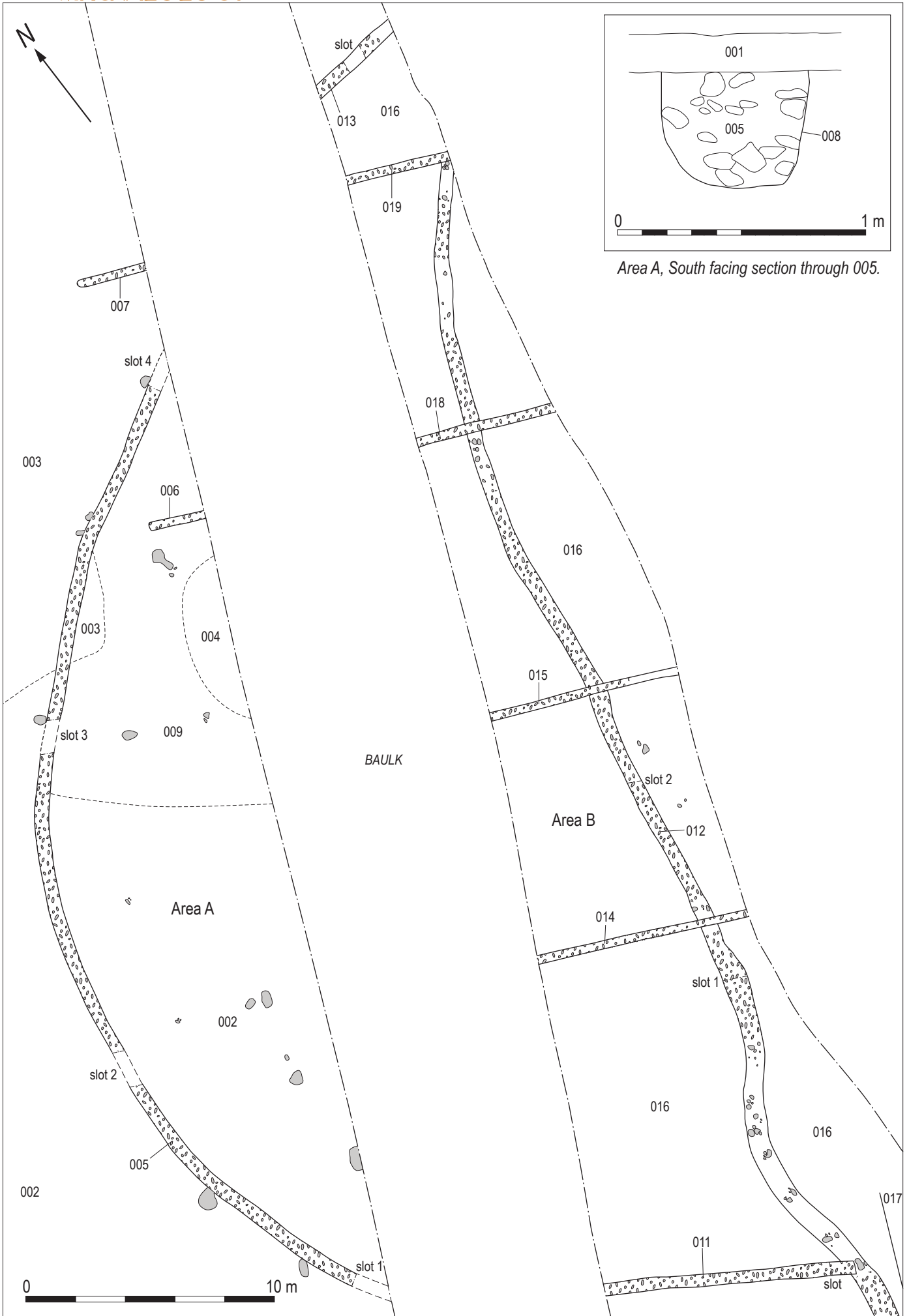


Figure 22: Plan of Areas A and B at Bloomhouse Drive

Area 7: Edinburgh Park to Gogar Tram Depot (figure 23)

3.22 During the course of the construction programme several phases of archaeological monitoring was undertaken between the railway line at Edinburgh Park Station to Lochside Avenue and South Gyle Broadway. Previous work undertaken at Edinburgh Park in advance of the construction of the present office blocks had uncovered prehistoric remains at several sites on either side of the Gogar Burn (Moloney & Lawson 2006). As much of the subsequent building and landscaping had built up the ground level there was the potential for more prehistoric remains to survive beneath the made ground. In addition the site of the Gyle Shopping Centre occupies roughly the position of Gogar Loch. Therefore there was the potential for evidence for activities around the edge of the loch.

Archaeological monitoring in this section began with the excavation of bridge foundations on the north side of the railway line at Edinburgh Park station, in this area previous landscaping had resulted in a very uneven depth of modern overburden and topsoil. A watching brief was then maintained when topsoil was removed from the construction corridor and associated service trenches. The ground-works uncovered in the main re-deposited topsoil and building debris associated with the construction of the modern offices along with the natural subsoil. During the excavation of deep trenches by Lochside the original ground level from the 1980s was visible as a dark line and ceramic field drains were uncovered approximately 0.4 m below that. Test pits in the same area uncovered organic rich peat deposits at a depth of 3.5 m that presumably relate to Gogar Loch. No archaeological deposits, artefacts or remains were found.

During groundworks associated with tunnelling underneath the main road to link the Gyle section with the depot at Gogar a number of 20th century glass beer bottles were uncovered including one with the stamp Bernard Edinburgh which would relate to the Drybrough and Bernard brewery. The other a pale green bottle has DALKEITH round the bottom and a heraldic style stamp on the neck. When the excavation for the tunnel under the road was undertaken it was through undisturbed boulder clay as all the topsoil would have been removed when the road was built.



Plate 39: Excavating in the snow

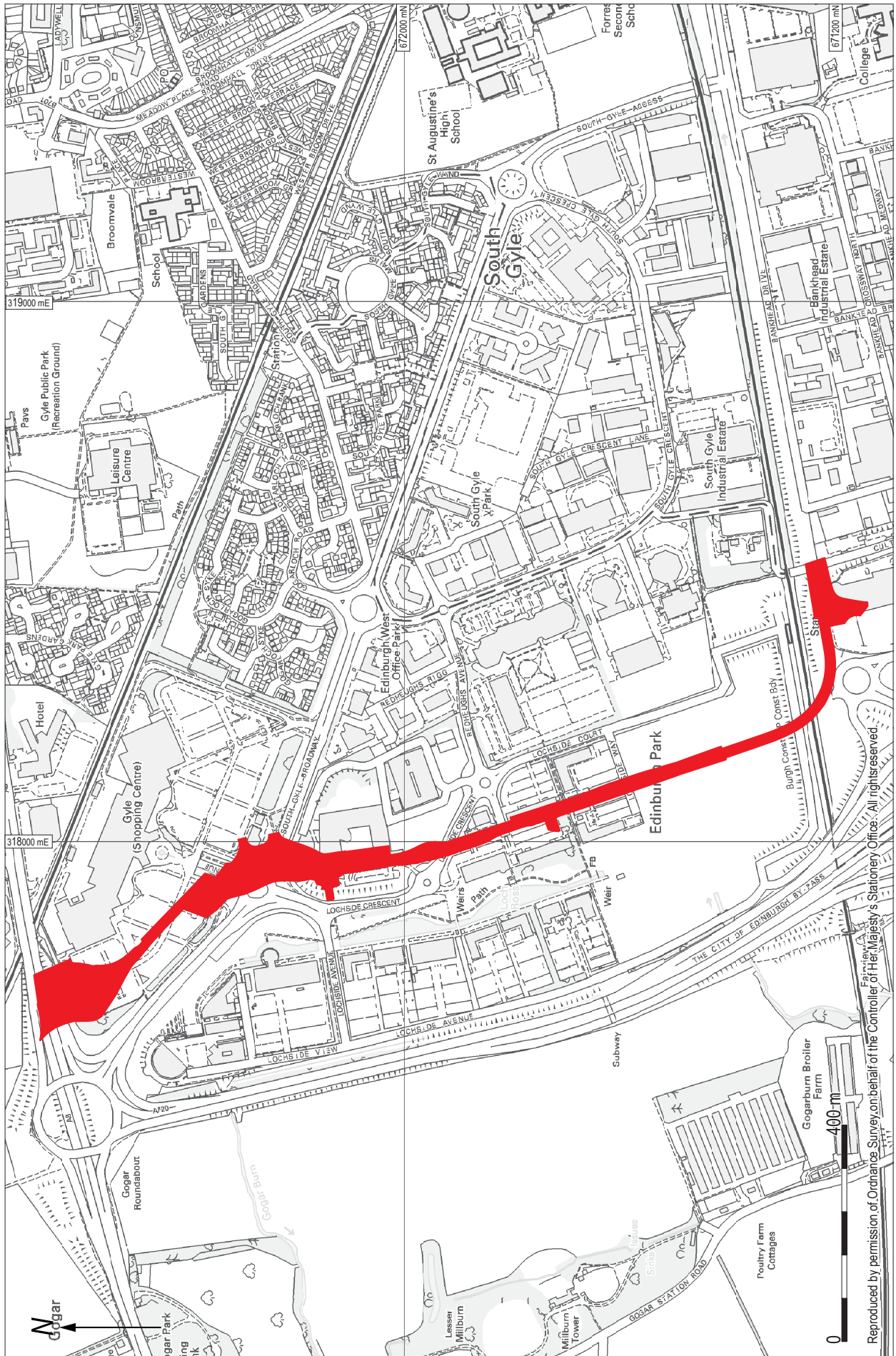


Figure 23: Location of Edinburgh Park to Gogar Tram Depot

Area 8: Tram Depot to Gogar Church and on to Edinburgh Airport (figure 24)

3.23 Previous work

This section of the tram route was subject to an archaeological evaluation undertaken by GUARD prior to the commencement of the tram construction programme (Sneddon & Will 2006). The evaluation uncovered two areas of archaeological remains that were then fully excavated (James 2008; James & Bowles 2008; Will forthcoming). These investigations uncovered Prehistoric and Medieval /Post-Medieval remains and noted the presence of deep land-fill deposits in the area around Gogar Church. During the excavation of medieval settlement remains to the east of Gogar Church the remaining section of the tram corridor from Gogar Church east to the tram depot was stripped under archaeological supervision therefore no further monitoring was required for this section.

The archaeological monitoring was undertaken during topsoil stripping on both sides of the Gogar Burn in advance of bridge construction, and was extended to include a storage area to the west and further west as far as the Park and Ride car park at Eastfield Road leading to the airport. Test pitting in the car park of the Hilton Hotel next to the airport was also monitored but no archaeological features were uncovered in these areas.

3.24 Small pit to the West of Gogar Mains Farm Road

Monitoring of topsoil stripping in the area to the west of Gogar Mains Farm Road and adjacent to the site of the large scale excavation undertaken in 2008 uncovered a small pit or post-hole. This pit contained fragments of prehistoric pottery and a flint tool. Subsequent analysis has revealed that the pottery is part of a Beaker pot and a radiocarbon date obtained from charcoal recovered from the pit has produced a date of 2146-2015 cal BC. The flint tool is part of a scale-flaked knife and may be a form of sickle. Botanical remains included charcoal from alder, hazel including a hazel nut and cherry type (S Ramsay pers com). Full details of these results have been included in the main excavation report from Gogar Farm Road (Will forthcoming).

Lab Code Site 1	Type of feature	Feature/context	Sample	Radiocarbon age BP		
SUERC- 38365	Pit or posthole 1029	1029	Charcoal: corylus	3695+/- 30	-23.50%	2146 -2015 BC

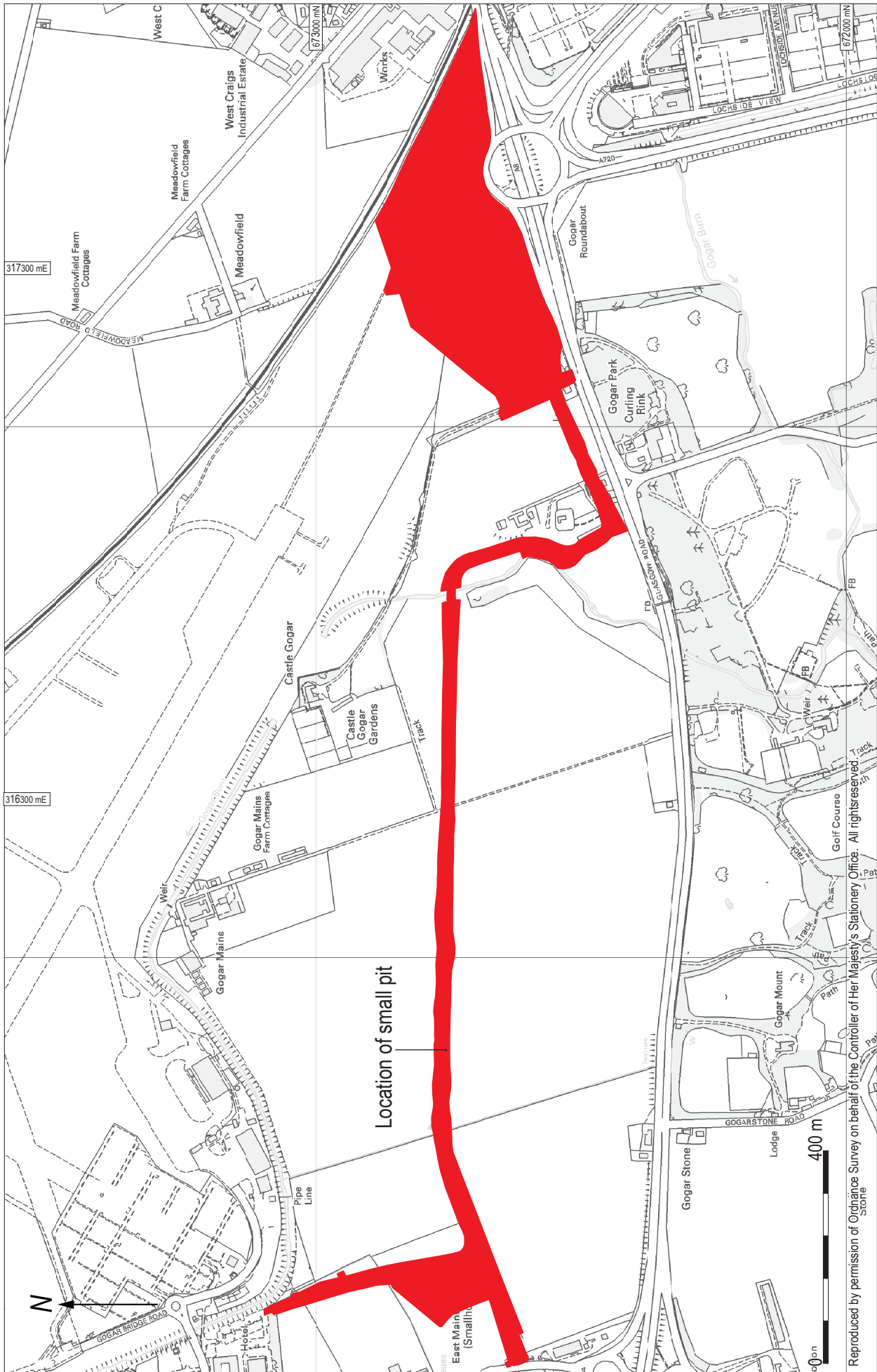
3.25 Lithics by T. Ballin (summary)

The flint recovered from the small pit or posthole (Catalogue no 2: 46 mm by 23 mm by 9 mm) is probably made from Yorkshire flint and represents the distal half of a scale-flaked knife, based on a stout blade. It is well-executed with semi-invasive retouch along its right lateral site, probably representing the knife's cutting-edge. Use-wear analysis of scale-flaked and plano-convex knives from Overhowden Henge in the Scottish Borders (Ballin 2011) suggests that these tool forms may be a form of sickles, fulfilling the same purpose as the curved single-piece sickles from southern England (Clark 1934). This type of blade and the use of Yorkshire flint would suggest a late Neolithic date.

3.26 The Prehistoric Pottery by B. Ballin-Smith (summary)

(All nine sherds from intervention 3118, Area 2, context 1029 SFs 2 and 6 and a surface find Sample 2, with a total weight of 41.6g)

This small group of sherds is probably from one Beaker vessel. The largest sherd measures 50.5 mm by 40.3 mm and is the majority of the base of the pot minus the basal edges where it joined the vessel walls. Its centre is slightly domed possibly as a result of deliberate action or because of finger moulding, which may have flattened the remainder of the base when the vessel wall



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Figure 24: Location of Tram Depot to Gogar church and on to Edinburgh Airport

was added to it. Erosion of the sherd has removed the surface finish the vessel would have had, but it has also revealed the coarse grits, predominantly feldspar which comprise 10-15% of the clay matrix.

The remaining sherds are generally small but three are decorated with two parallel incised lines each. The lines are probably made by a sharpened twig and the incisions vary in depth. The decoration of two close parallel lines on the largest piece appears shallow possibly because of surface erosion of the sherd.

These fragments are not sufficient to determine the overall pattern of the decoration or the exact shape of the Beaker vessel. However, the dating of Beaker vessels is wide due to their introduction during the later Neolithic and their continued use into the Early Bronze Age (see Gibson 2002). A near complete Beaker pot was found during excavations in advance of the construction of Edinburgh Park next to the Gogar Burn at Lochside Crescent (Moloney & Lawson).

Area	Number of sherds	Weight (g)	Average sherd weight (g)	Comment
2	11	41.6	3.7	All from the same Beaker vessel

3.27 A stone field drain with capping stones was excavated, although no datable evidence was recovered. No other significant archaeological remains were observed.



Plate 40: General view of construction corridor



Plate 41: Detail of pit



Plate 42: North-east facing section of stone drain



Plate 43: Pre-excavation view of stone drain



Plate 44: Beaker pot and flint blade

Conclusions

- 4.1 The construction programme for the Edinburgh trams allowed access to areas of Edinburgh not normally available to archaeologists and the results have contributed to the growing body of work relating to the history and prehistoric use of Edinburgh and the surrounding area. The recovery of the flint blade and Beaker pottery from Gogar Mains Farm adds to the increasing evidence of Late Neolithic and Early Bronze Age activity in the area and compliments the evidence recovered from the main excavation undertaken within the tram construction corridor in advance of construction. Although that excavation uncovered a range of features and artefacts no Beaker pottery was recovered so this material from the watching brief phase is an important 'missing link' in the use and development of that site. At the opposite end of the tram line at Ocean Terminal, the construction work has demonstrated that elements relating to the development of the early docks do survive amongst the later developments. The work on Princes Street and at the Mound with the Crawley Tunnel re-enforces the scale and effort that was undertaken in the early nineteenth century to ensure a safe and accessible water supply to Edinburgh and the New Town. As well as uncovering elements of the original tram line as it ran along Princes Street. Meanwhile the work at Haymarket revealed elements of twentieth century Edinburgh and war time efforts to protect Edinburgh's citizens at what would have been and still is a very busy junction. All these discoveries give a glimpse of life in Edinburgh through the centuries and highlight previous major building projects through the Capital, from the Crawley Tunnel and the Sea wall.

Acknowledgements

- 5.1 GUARD Archaeology would like to thank John Lawson of the City of Edinburgh Council Archaeology Service and Jim Noblett, Gerardo Austria, Brian Douglas, Alan Johnstone, Andy Hornsby, Frank Young and Iwona Drachkova at Bilfinger Berger for their help and support. We would also like to thank the contractors on site for their assistance, Crummocks, Celmisa, Coffey, Farrans, McKeans, Mackenzie and all the other contractors. The work was carried out by Iraia Arabaolaza, Maureen Kilpatrick, Christine Rennie and Bob Will of GUARD Archaeology Limited assisted by Ally Beckett, Alan Hunter Blair, Ross Cameron, Owen Godbert, Mark MacDonald, Donna Maguire, Kevin Mooney, Paul Murtagh Daniel Sahlen David Sneddon and Rowena Thomson. The illustrations were produced by Gillian McSwan and Fiona Jackson. The report was desk top published by Fiona Jackson and the project was managed for GUARD Archaeology by Bob Will.

**Edinburgh Tram Scheme
Data Structure Report**

Section 2: Appendices



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Appendices

Appendix A: Bibliography

Ballin, T.B. forthcoming: *The Late Neolithic lithic finds from Airhouse and Overhowden, near the Overhowden Henge, Scottish Borders. Characterization and discussion of two unusual assemblages and their parent sites*. British Archaeological Reports 539. British Series. Oxford: Archaeopress.

Clark, J. G. D. 1934. The Curved Flint Sickle Blade of Britain. *Proceedings of the Prehistoric Society* VII, 67-81.

Gibson, A 2002 *Prehistoric Pottery in Britain and Ireland*. Stroud: Tempus Publishing Ltd.

Grant, J. 1880s. Cassell's Old and New Edinburgh. Vol. IV (accessed online on 18th December 2012)

Headland Archaeology Ltd, 2009 *Edinburgh Trams Project, Vaulted chamber on Princes Street*, Unpublished report submitted to CECAS

James H F 2008 *Edinburgh Tram Scheme: Excavations at Gogar Mains*. Unpublished GUARD Report 2600.1.

James H F & Bowles C 2008 *Edinburgh Tram Scheme: Excavations by Gogar Church*. Unpublished GUARD Report 2600.2.

Moloney C & Lawson J 2006 *Excavations at Maybury Park, Edinburgh (1990-2)*, Scottish Archaeological Internet Report 23, 2006

Mullaly, S.1996. *The Edinburgh Encyclopedia*. Edinburgh and London. Mainstream Publishing.

Nimmo, I. 1991. *Edinburgh the New Town*. Edinburgh. John Donald Publishers.

Sneddon D & Will R 2006 *Edinburgh Tram Scheme Work Strands 3 and 4 Archaeological Evaluation. Data Structure Report*. Unpublished GUARD Report 2235.

Appendix B: Project Design/Written Scheme of Investigation

Princes Street: Crawley Tunnel

GUARD 2985: Edinburgh Tram Network Construction phase watching brief

Project Design

This project design is based on the results of discussion held on site on site discussions on Monday 28 September 2009 with John Lawson, archaeologist with City of Edinburgh Council Archaeologist, Brian Donnelly project manager Bilfinger Berger and Bob Will, project manager GUARD.

Introduction

The Crawley Tunnel crosses Prince's Street at the foot of the Mound, the tunnel a former aqueduct that now houses several large water pipes is built from sandstone masonry with an arched roof. As the exterior roof of the tunnel was being revealed during the current construction works for the Edinburgh Tram network a damaged section was revealed that had been patched with concrete and concrete kerb stones. Other exposed sections had been damaged by the insertion of channels for service pipes and one section appears to have been truncated and capped by a concrete base with brick build culverts on top, these run towards a section that has been re-built in brick over the original stone walls and capped with steel plates bolted to the brick and concrete walls.

The Crawley tunnel or 'Aqueduct' is thought to have been built in 1821 and runs from The Meadows under the Royal Infirmary and the Grassmarket to the foot of The Mound with a further section that possibly runs through to Scotland Street. A small section of the tunnel was revealed during road excavations in Princes Street in 1958, the hole being subsequently filled in afterwards. Information obtained from CANMORE, RCAHMS.

This project design details a methodology for a limited archaeological investigation and survey to record the present condition of the exposed section of the Crawley Tunnel prior to construction work associated with the tram.

Methodology

- The location of the exterior of the tunnel will be recorded on a scale drawing
- A photographic record of the exterior of the tunnel will be undertaken
- Once the section of the roof of the tunnel has been removed the exposed wall heads will be recorded along with profiles through the tunnel.
- The results and records of this exercise will be recorded in a brief report.

Staff

The project will be managed for GUARD by Bob Will while the fieldwork will be conducted by experienced GUARD staff who has worked on other elements of the Tram project.

Timetable

- | | |
|-----------|---|
| Phase One | Recording the exterior of the Crawley tunnel, this will be undertaken starting Thursday 1 October 2009. |
| Phase Two | Recording profiles and exposed wall heads once the roof has been removed – date to be confirmed. |

Haymarket, Bull's Heads

Ornamental carved bull heads at Haymarket Yards.

Project Design Amended 11 March 2009

Introduction

Four ornamental carved bull heads are displayed within three raised flower beds at the entrance to Haymarket Yards in an area of paving outside the main entrance to Rosebery House. Two of the heads are in opposite flower beds on the kerb to the access road while the remaining two are in a smaller flower bed set further back from the road, trees within the flower beds have recently been cut down. As part of the on-going construction work associated the Edinburgh Tram Network these flower beds will be removed and the bull heads removed for storage. This project design details a methodology for a limited archaeological survey to record the bull heads in their present position prior to there removal.

Methodology

- The location of the bull heads will be recorded on a scale drawing
- A photographic record of the bull heads in their present position will be undertaken
- Limited excavation by hand around the heads will be undertaken to establish the depth and method of construction of the foundations holding the bull heads.

- An archaeologist will be present when the bull heads are removed.
- The bull heads will be loaded on to secure wooden pallets and wrapped in bubble wrap to help avoid any accidental damage and stored in a secure area (location to be confirmed).
- The results and records of this exercise will be recorded in a brief report.

Staff

The fieldwork will be undertaken by Bob Will a very experienced archaeologist who has worked on earlier elements of the Tram project. The project will also be managed for GUARD by Bob Will.

Timetable

The bull heads will be removed on Thursday 12 March 2009.

Appendix C: Ocean Terminal field records

All Areas - List of Contexts

Context No.	Area	Description	Interpretation
001	Sea Wall	Black/dark brown ashy, gritty silt with sand; modern inclusions of plastic, bricks and glass	Made ground
002	Sea Wall	Unbonded granite wall	Old Sea Wall
003	Sea Wall	Rubble below/behind Old Sea Wall	Foundation deposit for wall
004	Sea Wall	Sandstones in Old Sea Wall	Repair work to Sea Wall
005	Sea Wall	Mid-brown clay with occasional pebbles	Deposit sealing foundation layer 002
006	Sea Wall	Bonded brick wall at east end of Sea Wall	Wall of structure at east end of Sea Wall
007	Sea Wall	Concrete floor	Floor of building to east of Sea Wall
008	Sea Wall	Rectangular concrete block	Concrete pillar related to building at east of Sea Wall
009	Sea Wall	Linear cut at east end of Sea Wall	Foundation cut for building
010	Swing Bridge	Mid-brown silt	Topsoil
011	Swing Bridge	Aggregate in a light brown silt matrix	Made ground
012	Swing Bridge	Concrete platform	Modern structure
013	Swing Bridge	Square whin cobbles	Cobbled surface
014	Swing Bridge	Loose yellow sand	Bedding for cobbles
015	Swing Bridge	Dark brown sandy silt with wood , sandstone pieces and plastic	Made ground around electricity cables
016	Swing Bridge	Concrete with shell, pebble and sandstone temper	Capping of sandstone structure 019
017	Swing Bridge	Linear cut	Modern electricity service duct
018	Swing Bridge	Yellow/brown sandy silt	Fill of service cut 017
019	Swing Bridge	Grey and yellow sandstone structure	Structure related to swing bridge
020	Swing Bridge	Red blaes	Made ground
021	Swing Bridge	Aggregate and modern rubble	Made ground
022	Swing Bridge	Bonded brick wall	Modern foundation wall
023	Swing Bridge	Concrete platform	Platform above pier on west side of swing bridge

Old Sea Wall

List of Digital Photographs

Frame	Area	Context No.	Subject	Taken from
1	O.T	002	Pre-cleaning view of sea wall - west end	W
2	O.T	002	Pre-cleaning view of sea wall - west end	W
3	O.T	002	Pre-cleaning view of sea wall - west end	S
4	O.T	002	Pre-cleaning view of sea wall - west end	W
5	O.T	002-004,006-009	General view of east end of sea wall	E
6	O.T	002-004,006-009	General view of east end of sea wall	NE
7	O.T	002-004	East facing section at east end of sea wall	E
8	O.T	006-009	North facing section of structure at east end of wall	N
9	O.T	002,004	General view of sea wall	E
10	O.T	002,004	General view of sea wall	N
11	O.T	002	General view of sea wall	N
12	O.T	002	Missing masonry at centre of sea wall	N
13	O.T	001-003,005	East facing section at west end of sea wall	E
14	O.T	001-003,005	East facing section at west end of sea wall	E
15	O.T	003	Rubble at west end of sea wall	E
16	O.T	002	General view of west end of sea wall	W
17	O.T	002	General view of west end of sea wall	SW
18	O.T	002	General view of sea wall	W
19	O.T	002	Working shot	E
20	O.T	-	Location shot	W
21	O.T	-	Location shot	W
22	O.T	-	Location shot	W
23	O.T	-	Location shot	SW
24	O.T	-	Working shot	E
25	O.T	-	Working shot	E
26	O.T	002-004	General view of east end of sea wall	NE
27	O.T	-	Farrans trench on Port Road	SW
28	O.T	-	Farrans trench on Port Road	NW

Victoria Swing Bridge

List of Digital Photographs

Victoria Swing Bridge 24th March 2010				
Frame	Area	Context No.	Subject	Taken from
1			ID shot	
2			Pre-excavation view of east side of bridge	E
3			Working shot	S
4			Working shot	W
5			West facing section showing service tube	W
6			Post-excavation view	S
7			Pre-excavation shot of pile location	S
8			Concrete platform	S
9			Detail of concrete and wires	W
10			Working shot showing cobble surface	W
11			Working shot showing cobble surface	W
12			Cobbled surface	W
13			Cobbled surface	S
14			Cobbled surface	E

Victoria Swing Bridge 24th March 2010				
Frame	Area	Context No.	Subject	Taken from
15			Cobbled surface	S
16			Cobbled surface	E
17			Pre-excavation view of west side of bridge	W
18			South-east side of swing bridge	E
19			Working shot on west side	E
20			Working shot on west side	N (above)
21			Working shot on west side	E
22			Pier north facing section	N
23			Pier north facing section	N
24			Pier north facing section and wall	N
25			Pier north facing section and wall	N
26			Pier detail	N
27			Pier detail	N
28			Pier detail	N
29			Pier detail	N
30			Pier detail	N
31			Pier detail	N

Victoria Swing Bridge 14th April 2010				
Frame	Area	Context No.	Subject	Taken from
1		014, 015	Cables in test pit at east abutment	SW
2		014, 015	Electricity cable at south-east of pit	W
3		016	Concrete surface	W
4		016	Concrete surface	SW
5		012, 013	South-west facing section of cobbles overlying concrete	SW
6		019	Working shot - breaking rock deposit	SW
7		019	Pit after removal of first spit	W
8		019	Breaking rock at east end of pit	SW
9		019	Breaking rock at east end of pit	W

Victoria Swing Bridge 4th October 2010				
Frame	Area	Context No.	Subject	Taken from
1			ID shot	
2			General shot of area to be dug	E
3			General shot of area to be dug	E
4			Working shot	S
5			Working shot	SW
6			Working shot	W
7			Bridge footing and stone platform	W
8			Bridge footing and stone platform	N
9			Bridge footing and stone platform under bridge	N
10			Stone wall at the end of bridge	N
11			Stone wall and platform at bridge end corner	W
12			Detail of stone wall	W
13			Detail of stone wall	W
14			Stone wall, metal structure and platform	NW
15			Platform	N
16			Platform (E.end)	N
17			Platform (W. end) and other platform	N
18			Platform location	NE
19			Platform location (general shot)	NE

Test Pits, Chancelot Mill & Building at North Leith Sands

List of Digital Photographs

Frame	Area	Context No.	Subject	Taken from
1	OT	TP1	Post-excavation view of Test Pit 1	NW
2	OT	TP2	Post-excavation view of Test Pit 2	SE
3	OT	2003	Wooden surface in Test Pit 2	SE
4	OT	001	Wall outside ADM Mill	NE
5	OT	001	Repair-work on Wall	N
6	OT	001	Repair-work on Wall	N
7	OT	001	Wall outside ADM Mill	NW
8	OT	Trench 1	South facing section of Trench 1; west end	S
9	OT	Trench 1	South facing section of Trench 1; west end	S
10	OT	Trench 1	General view of Trench 1; west end	W
11	OT	Trench 1	South facing section of Trench 1; centre	S
12	OT	Trench 1	South facing section of Trench 1; oblique view	SW
13	OT	Trench 1	General view of Trench 1; east end	E
14	OT	Trench 1	Old tram lines at south of Trench 1	NE
15	OT		Building at North Leith Sands; general view	NE
16	OT		Side view of building at North Leith Sands	NE
17	OT		Front view of building at North Leith Sands	W
18	OT		Tanks at front of building	NW
19	OT		Steeple roof at electricity sub-station	S
20	OT		Front view of building at North Leith Sands	SW
21	OT	TP3	South-east facing section of Test Pit 3	SE
22	OT	TP3	General view of Test Pit 3	NE
23	OT		Topsoil depth at Ocean Drive roundabout	E
24	OT		Subsoil (made ground) at Ocean Drive roundabout	E
25	OT		Working shot at Ocean Drive roundabout	NE
26	OT		North facing section of deposits at Ocean Drive roundabout	E
27	OT	TP4	South facing section of Test Pit 4	S
28	OT	TP5	Post-excavation view of Test Pit 5	E
29	OT	TP5	North facing section of Test Pit 5	N
30	OT	TP6	North-east facing section of Test Pit 6	NE
31	OT	TP7	South-west facing section of Test Pit 7	SW
32	OT	TP7	Post-excavation view of Test Pit 7	NE
33	OT	TP8	Post-excavation view of Test Pit 8	N
34	OT	TP8	West facing section of Test Pit 8	W
35	OT	TP9	North facing section of Test Pit 9	N
36	OT	TP11	South facing section of Test Pit 11	S
37	OT	TP11	East end of Test Pit 11	SE
38	OT	TP11	West end of Test Pit 11	SE
39	OT	TP10	South-east facing section of Test Pit 10	SE
40	OT	TP12	West facing section of Test Pit 12	W
41	OT	TP12	Post-excavation view of Test Pit 12	SW
42	OT	TP13	West facing section of Test Pit 13	W
43	OT	TP13	Post-excavation view of Test Pit 13	N
44	OT	TP14	West facing section of Test Pit 14	W
45	OT	TP14	Post-excavation view of Test Pit 14	N
46	OT	Trench 2	South facing section of Trench 2	S
47	OT	Trench 2	West end of Trench 2	SE
48	Lyndsay Road		Red blaes - made ground	S
49	Lyndsay Road		Red blaes - made ground	SE

List of Trenches and Test Pits

Tr No	Length (m)	Width (m)	Depth (m)	Topsoil/Overburden	Subsoil	Details
TR1	96	6.80	1.32	Tarmac onto sand and aggregate bedding layer above crushed red brick	Grey/brown silt and demolition rubble - made ground	No archeological remains
TR2	43.2	6.30	1.0	Tarmac onto sand and aggregate bedding layer above black ashy gravel	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP1	1.7	0.64	0.28	Tarmac onto reinforced concrete	Not reached	No archeological remains
TP2	1.64	0.73	0.32	Tarmac onto reinforced concrete	Brown wooden surface	No archeological remains
TP3	10.0	1.40	2.10	Tarmac onto crushed red brick	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP4	2.70	0.75	1.0	Concrete onto red aggregate bedding layer	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP5	6.66	1.0-2.1	1.20	Concrete onto red aggregate bedding layer	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP6	3.20	0.85	1.15	Tarmac onto sand above red aggregate	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP7	6.0	0.95	1.20	Red aggregate	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP8	5.60	0.70	1.0	Grey aggregate onto red aggregate	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP9	5.0	2.2	1.05	Tarmac onto grey aggregate above red aggregate	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP10	5.1	1.60	1.80	Tarmac onto grey silt	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP11	50	1.0-2.0	1.30	Tarmac onto red aggregate above grey aggregate	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP12	5.20	2.40	1.80	Tarmac onto grey aggregate above grey silty ash	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP13	4.60	1.60	0.95	Tarmac onto grey aggregate above grey silty ash	Grey/brown silt and demolition rubble - made ground	No archeological remains
TP14	5.60	2.10	1.80	Tarmac onto grey aggregate above grey silty ash	Grey/brown silt and demolition rubble - made ground	No archeological remains

Appendix D: Leith Walk field records

List of Contexts

Context No.	Area	Description	Interpretation
001	AW1-AW5	Medium to heavily compacted dark grey ashy sandy gravel with inclusions of type one aggregate; 0.3m thick	Made ground found throughout the area
002	AW1-AW5	Medium to heavily compacted dark grey silty sand with frequent inclusions of glass, ceramic and animal bone; 0.35-0.4m thick	Nineteenth - twentieth century midden deposit found throughout the area.
003	AW2-AW3	Medium to heavily compacted dark grey sandy silt with coal/charcoal inclusions; found at a depth of between 0.6-0.7m	Relatively undisturbed deposit below 002
004	AW3	Medium compacted grey silty sand that included green glaze ceramic; 0.35-0.4 thick	Midden deposit
005	AW5	Unbonded cobbled surface found at 0.5 m depth.	Cobbled surface set into 006
006	AW5	Hard compacted red sandstone deposit/surface located at a depth of 0.6m.	Surface/bedding of 005,
007	AW5	Sandstone wall running parallel to current boundary of buildings. Wall is 0.7 m long and 0.1 m high and abutt cobbles 005.	Possible old boundary of adjacent buildings.
008	AW5	Sandstone capping of Cundy drain.	Sandstone capping of Cundy drain.
009	AW5	Unbonded sandstone bricks below 008.	Walls of Cundy drain
010	AW5	Soft dark grey silt.	Basal fill of Cundy drain

List of Finds

Find No.	Area	Context No.	No. of Pieces	Material	Type	Description
1	AW5	005/006	1	shell	marine	shell
2	AW5	005/006	1	lithic	flint	unworked piece
3	AW5	005/006	2	glass	-	fragments
4	AW5	005/006	4	ceramic	-	body sherds
5	AW3	4	1	ceramic	clay pipe	stem
6	AW3	4	4	ceramic	tin glazed	body sherds
7	AW3	4	1	ceramic	green glaze	sherd
8	AW3	4	1	lithic	flint	unworked piece
9	AW3	4	1	bone	animal	unidentified
10	AW3	4	2	shell	marine	shell
11	AW3	2	6	bone	animal	unidentified
12	AW3	2	4	shell	marine	shell
13	AW3	2	20	ceramic	-	sherds
14	AW3	2	1	glass	bottle	fragments
15	AW3	2	1	ceramic	clay pipe	stem
16	AW2	2	8	bone	animal	unidentified
17	AW2	2	1	shell	marine	shell
18	AW2	2	1	ceramic	clay pipe	bowl
19	AW2	2	5	glass	bottle	fragments
20	AW2	2	14	ceramic	-	sherds
21	AW1	2	6	ceramic	-	sherds
22	AW1	2	1	shell	marine	shell

List of Digital Photographs

Frame	Area	Context No.	Subject	Taken from
1	AW1	-	General view of area AW1	S
2	AW1	-	General view of service pits/ excavation of services pits	S
3	AW1	-	General view of service pits	SE
4	AW1	-	General view of excavation	NE
5	AW1	-	Wooden service conduit	W
6	AW2	-	Wooden service conduit	W
7	AW2	002, 003	East facing section of service pits	E
8	AW2	002, 003	East facing section of service pits	E
9	AW2	-	General view of site from the north	N
10	AW2	2	East facing section of service pit	E
11	AW2	-	General view of area AW2	NW
12	AW4	-	Service pit in area AW4 showing possible surface	N
13	AW2	-	General post-excavation view of area AW2	NW
14	AW3	2	East facing section of area AW3	NE
15	AW3	2	Detail of east facing section AW3	E
16	AW2	2	East facing section of area AW2	NE
17	AW2	2	Detail of east facing section AW2	E
18	AW5	-	General shot of service pit in AW5 showing pipes and possible surface	E
19	AW5	-	General shot of service pit in AW5 showing pipes and possible surface	E
20	AW5	-	General shot of service pit in AW5 showing pipes and possible surface	E
21	AW5	5	General view of cobbled surface 005	N
22	AW5	7	View of possible wall 007	E
23	AW5	5	General view of remains of cobbled surface	N
24	AW5	8	View of Cundy drain	N
25	AW5	8	View of Cundy drain	E
26	AW5	-	View of Cundy drain after removal of capstone	NE
27	AW5	008, 009	View of Cundy drain after removal of capstone	S
28	AW5	008, 009	View of Cundy drain after removal of capstone	E
29	AW5	008, 009	View of Cundy drain after removal of capstone	E
30	AW5	008, 009	View of Cundy drain after removal of capstone	E
31	AW5	-	Post-excavation view of AW1	N
32	AW4	-	Post-excavation view of AW4	SE
33	AW3	-	Post-excavation view of AW3	SE
34	AW2	-	Post-excavation view of AW2	SE
35	AW1	-	Post-excavation view of AW1	SE

List of Colour Photographs

Frame	Area	Context No.	Subject	Taken from
1	AW2	-	East facing section of service trench	E
2	AW2	-	General post-excavation view of area AW2	NW
3	AW3	2	East facing section of area AW3	NE
4	AW3	2	Detail of east facing section AW3	E
5	AW2	2	East facing section of area AW2	NE
6	AW2	2	Detail of east facing section AW2	E
7	AW5	-	General shot of service pit in AW5 showing pipes and possible surface	E
8	AW5	-	General shot of service pit in AW5 showing pipes and possible surface	E
9	AW5	-	General shot of service pit in AW5 showing pipes and possible surface	E
10	AW5	5	General view of cobbled surface 005	N
11	AW5	7	View of possible wall 007	E
12	AW5	8	View of Cundy drain	N
13	AW5	8	View of Cundy drain	E
14	AW5	008, 009	View of Cundy drain after removal of capstone	E
15	AW5	-	Post-excavation view of AW1	N
16	AW4	-	Post-excavation view of AW4	SE
17	AW3	-	Post-excavation view of AW3	SE
18	AW2	-	Post-excavation view of AW2	SE
19	AW1	-	Post-excavation view of AW1	SE

List of Black & White Photographs

Frame	Area	Context No.	Subject	Taken from
1	AW2	-	East facing section of service trench	E
2	AW2	-	General post-excavation view of area AW2	NW
3	AW3	2	East facing section of area AW3	NE
4	AW3	2	Detail of east facing section AW3	E
5	AW2	2	East facing section of area AW2	NE
6	AW2	2	Detail of east facing section AW2	E
7	AW5	-	General shot of service pit in AW5 showing pipes and possible surface	E
8	AW5	-	General shot of service pit in AW5 showing pipes and possible surface	E
9	AW5	-	General shot of service pit in AW5 showing pipes and possible surface	E
10	AW5	5	General view of cobbled surface 005	N
11	AW5	7	View of possible wall 007	E
12	AW5	8	View of Cundy drain	N
13	AW5	8	View of Cundy drain	E
14	AW5	008, 009	View of Cundy drain after removal of capstone	E
15	AW5	-	Post-excavation view of AW1	N
16	AW4	-	Post-excavation view of AW4	SE
17	AW3	-	Post-excavation view of AW3	SE
18	AW2	-	Post-excavation view of AW2	SE
19	AW1	-	Post-excavation view of AW1	SE

Appendix E: Princes Street field records

Old Tram Lines and Test Pits

List of Contexts Cells

Context No.	Area	Description	Interpretation
001	-	Tarmac	Current road surface
002		Concrete	Earlier road surface into which 19th century tram lines are set.
003		Two concrete footings, each 0.17m wide and spaced 1.26m apart	Concrete footings for southern tram tracks
004		Rectangular metal sleepers, each 0.15m wide and 2.02-2.15m long. Spaced 2.4m to 2.5m apart.	Sleepers for 19th century tram tracks
005		Degraded and damaged iron rods	Iron couplings for tram tracks
006		Rectangular metal sleeper partially covered by concrete	Sleeper, possibly earlier than 004
007		Two concrete footings, each 0.17m wide and spaced 1.26m apart	Concrete footings for northern tram tracks
008		Rectangular metal sleepers, each 0.15m wide and 2.02-2.15m long. Spaced 2.4m to 2.5m apart.	Sleepers for 19th century tram tracks
009		Degraded and damaged iron rods	Iron couplings for tram tracks
010		Circular cut 0.25m in diameter filled with stones and rubble.	Cut for street light or wire conduit
011		Heavily compacted layer of concrete and stone rubble below concrete 002	Made ground
012	Test Pit 1	Medium to heavily compacted dark grey/ brown gritty silty ash.	Made ground/ re-deposited industrial waste
014	Test Pit 1	Two iron girders	Probable fittings related to 19th century tram lines
015	Test Pit 1	Heavily compacted grey/orange bands of mottled clay found at N end of TP1	Re-deposited material
016	Test Pit 1	Concrete block	Foundation of 015
017	Test Pit 1	Two courses of wooden planks long/exposed.	Casing for wiring relating to 19th century tram lines
018	Test Pit 1	Densely compacted mottled dark brown and orange silty ash and clinker with stone and industrial waste inclusions.	Made ground
019	Test Pit 1	Loosely compacted orange sand	Made ground
020		Heavily compacted grey/orange bands of mottled clay found at N end of TP1	Re-deposited material

List of Trenches Cells

Tr No	Length (m)	Width (m)	Depth (m)	Topsoil/Overburden	Subsoil	Details
TP1	6.0	0.5	0.41	Tarmac onto concrete with 19th century tram lines	Made ground; deposits 012, 013 and 017	No other archaeological remains
TP2	4.45	0.5	0.57	Tarmac onto concrete with 19th century tram lines	Made ground; deposits 012, 013 and 017	No other archaeological remains

List of Digital Photographs

Frame	Area	Subject	Taken from
1	Princes Street	ID Shot	-
2	Princes Street	General view of Princes Street	NW
3	Princes Street	General view of Princes Street	E
4	Princes Street	General view of Princes Street	W
5	Princes Street	General view of Princes Street	N
6	Princes Street	General view of Princes Street	N
7	Princes Street	General view of Princes Street	N
8	Princes Street	General view of Princes Street	N
9	Princes Street	General view of Princes Street	N
10	Princes Street	General view of Princes Street	E
11	Princes Street	General view of Princes Street	N
12	Princes Street	General view of old tram lines	W
13	Princes Street	Detailed view of south tracks	W
14	Princes Street	Detailed view of north tracks	W
15	Princes Street	Detailed view of north tracks	E
16	Princes Street	Detailed view of south tracks	E
17	Princes Street	General view of old tram lines	E
18	Princes Street	East facing section of Test Pit 1	E
19	Princes Street	East facing section of Test Pit 1	E
20	Princes Street	East facing section of Test Pit 1	E
21	Princes Street	Post-excavation view of Test Pit 1	S
22	Princes Street	East facing section of Test Pit 1	E
23	Princes Street	East facing section of Test Pit 1	E
24	Princes Street	Post-excavation view of Test Pit 1	N
25	Princes Street	East facing section of Test Pit 2	E
26	Princes Street	East facing section of Test Pit 2	E
27	Princes Street	East facing section of Test Pit 2	E
28	Princes Street	Post-excavation view of Test Pit 2	N

Crawley Tunnel, adjacent drains and Vaulted Chamber on the Mound

List of Contexts Cell

Context No.	Area	Description	Interpretation
001	Vaulted cellars	Dark grey silt	Levelling material
002	Vaulted cellars	Grey brown mixed silts with sand lenses - levelling	Levelling material
003	Vaulted cellars	Heavily compacted silt with coal over brick cellars	-
004	Vaulted cellars	Dark grey silty clay - levelling	Levelling material
005	Vaulted cellars	Black silty clay with coal	Deposit above cellars
006	Vaulted cellars	Dark grey silt similar to 005	Deposit above cellars
007	Vaulted cellars	Mixed rubble fill of interior of cellar	Not archaeological
008	Vaulted cellars	Dark grey clay	Possible dumped material
009	Vaulted cellars	Stone walls of cellars	Structure
010	Vaulted cellars	Brick built vault forming roof of cellars	Structure
011	Vaulted cellars	East/west stonewall – back wall of cellars	Structure
012	Vaulted cellars	North/south stone wall – wall at east end	Structure
013	Vaulted cellars	North/south stone wall probably part of 012	Structure
014	Vaulted cellars	Deep deposit of sand & mortar	Possible collapsed material
015	Vaulted cellars	Stone built drain	Structure
016	Vaulted cellars	Stone built manhole	Structure
017	Vaulted cellars	Stone built drain; rectangular slabs	Structure

Context No.	Area	Description	Interpretation
018	Vaulted cellars	Stone built drain respects 017	Structure
019	Vaulted cellars	Stone built drain, same as 015	Structure
020	Vaulted cellars	Mixed rubble overlying cellars	-
021	Vaulted cellars	Brick vaulted roof of cellars	Structure
022	Vaulted cellars	Mainly sand – levelling deposit over cellar roof	Possible levelling material
023	Vaulted cellars	Dark grey clay layer partially covering cellars	Re-deposited material
024	Vaulted cellars	Black gravel – mixed demolition/levelling	Possible demolition debris
025	Vaulted cellars	North/south stone built wall between cellars	Structure
026	Vaulted cellars	North/south stone built wall to east	Structure
027	Vaulted cellars	Grey gravel filling modern service trench	Modern fill
028	Vaulted cellars	Grey clay layer – demolition/levelling over cellars	Possible levelling material
029	Crawley Tunnel	Crawley tunnel – sandstone structure	Structure
030	Crawley Tunnel	Crawley tunnel –concrete & kerb stone repair	Structure
031	Crawley Tunnel	Crawley – small vertical concrete repair on S side	Structure
032	Crawley Tunnel	Crawley- minor concrete repair	Structure
033	Crawley Tunnel	North end; cast iron pipe cutting across tunnel, upper	Interior feature
034	Crawley Tunnel	North end; cast iron pipe cutting across tunnel - lower	Interior feature
035	Crawley Tunnel	Recess in wall & roof at north end	Interior feature
036	Crawley Tunnel	Stone walls supporting arch of tunnel 029	Structure
037	Crawley Tunnel	Iron pipe part of concrete repair 030	Interior feature
038	Crawley Tunnel	Stone capping of drain to south of tunnel	Structure
039	Crawley Tunnel	Walls of drain capped by 038	Structure
040	Crawley Tunnel	Manhole to east that drain 039 runs into	Structure
041	Crawley Tunnel	Rectangular cut into roof of tunnel – service trench?	Interior feature
0042	Crawley Tunnel	Linear cut in tunnel roof with ceramic sewer pipe	Interior feature
043	Crawley Tunnel	Concrete base & settings over tunnel – pos previous tram track	Structure
044	Crawley Tunnel	Steel, concrete and brick foundations built over tunnel	Structure
045	Crawley Tunnel	Concrete capping over walls of tunnel	Structure
046	Crawley Tunnel	Brick drain over 045	Structure
047	2nd tunnel	Arched roof of 2nd tunnel	Structure
048	2nd tunnel	West wall of 2nd tunnel	Structure
049	2nd tunnel	East wall of 2nd tunnel	Structure
050	2nd tunnel	Capping stone for chamber to east	Structure
051	2nd tunnel	Concrete manhole on west side	Structure
052	2nd tunnel	Stone floor of 2nd tunnel	Structure
053	2nd tunnel	Interior recess in west wall	Interior feature
054	2nd tunnel	Interior recess on east wall	Interior feature
055	2nd tunnel	Interior small recess in east wall	Interior feature
056	2nd tunnel	Setting in floor by doorway to chamber	Interior feature
057	2nd tunnel	Stone floor in chamber	Structure
058	2nd tunnel	Silty clay deposit in chamber	Possible natural deposit
059	2nd tunnel	Thickening of wall 049 inside chamber	Structure
060	2nd tunnel	East wall of chamber	Structure
061	2nd tunnel	Fill of 2nd tunnel	-
062	2nd tunnel	Capping stones/roof at south end of 2nd tunnel	Structure
063	2nd tunnel	Lintel/entrance to chamber	Structure
064	2nd tunnel	Stone manhole blocks 2nd tunnel to north	Structure

Context No.	Area	Description	Interpretation
065	2nd tunnel	North wall of east chamber	Structure
066	2nd tunnel	South wall of east chamber	Structure
067	Vaulted cellars	Brick cellar roof	Structure
068	Crawley Tunnel	Concrete replacement for bricks	Structure

Supplementary Context List			
Context No.	Area	Description	Interpretation
001	Crawley Tunnel	Steel roof of tunnel covered with concrete and tarmac	Roof and overburden
002		Steel plates	Roof of tunnel
003		Access manhole in tunnel roof	Access to tunnel
004		Circular steel plate	Interior fitting
005		Brick wall forming chamber within tunnel	West wall of chamber
006		Brick wall within tunnel	East wall of tunnel
007		Wall within tunnel	East wall of chamber
008		Iron/steel fittings on west wall	Interior fitting
009		Steel water pipe within tunnel	Water supply pipe
010		Wall to south of tunnel; on west side of tunnel	Load-bearing wall supporting steel plate roof
011		Hole in west wall of tunnel	Access for replacement pipe
012		Iron gate to south of chamber	-
013		Arched roof of tunnel; brick built	Roof of tunnel
014		Steel plate roof of tunnel	Roof of tunnel
015		Floor of tunnel	Floor of tunnel
016		Iron pipe to north of chamber	Pipe
017		Lead pipe on west wall	Water supply pipe

List of Drawings Cells

Drawing No.	Area	Sheet No.	Subject	Scale
1	Vaulted Chamber	1	Plan of vaulted chambers 3, 4 and 5	01:20
2	Vaulted Chamber	1	North facing section of chambers 3 & 4	01:10
3	Vaulted Chamber	2	Plan of vaulted chambers 1 & 2	01:20
4	Vaulted Chamber	3	North facing section/profile of back wall	01:10
5	Vaulted Chamber	4	South-west facing section of stone built drain 017	01:10
6	Vaulted Chamber	4	Plan of drain 017	01:20
7	Vaulted Chamber	4	South facing section – deposits over brick vaults	01:10
8	Vaulted Chamber	4	Plan of vaults & stone wall	01:20
9	Crawley Tunnel	5	Plan of north-eastern half of Crawley tunnel	01:20
10	Crawley Tunnel	6	Plan of south-western half of Crawley tunnel	01:20
11	Crawley Tunnel	5	Profile through Crawley tunnel A-A' - exterior	01:20
12	Crawley Tunnel	5	Profile through Crawley tunnel B- B'- exterior	01:20
13	2nd tunnel	7	2nd section of tunnel to east; exterior plan	01:20
14	2nd tunnel	7	2nd section of tunnel to east; profile	01:20
15	2nd tunnel	8	2nd section of tunnel to east; interior floor plan	01:20
16	2nd tunnel	8	2nd section of tunnel to east; west facing elevation	01:20
17	2nd tunnel	8	2nd section of tunnel to east; exterior plan capping removed	01:20
18	Crawley Tunnel	9	Profile through Crawley Tunnel; north end	01:20
19	Crawley Tunnel	9	Profile through Crawley Tunnel; south end	01:20

Supplementary drawing list; June 2010				
Context No.	Context No.	Area	Description	Interpretation
Drawing No.	Area	Sheet No.	Subject	Scale
1	Crawley Tunnel	10	West elevation	1:20
2	Crawley Tunnel	10	South elevation	1:20
3	Crawley Tunnel	10	Iron gate in tunnel	1:20

List of Finds

Find No.	Area	Context No.	No. of Pieces	Material	Type	Description
1	-	020	3	ceramic	modern, glazed	-
2	-	020	4	glass	-	fragments
3	-	020	5	bone	animal	unidentified
4	-	022	1	ceramic	greenglaze	-

List of Digital Photographs Cells

Crawley Tunnel; September 2009			
Frame	Area	Subject	Taken from
1	Crawley Tunnel	Crawley tunnel being exposed	SW
2	Crawley Tunnel	Crawley tunnel being exposed	N
3	Crawley Tunnel	Location shot of tunnel	NE
4	Crawley Tunnel	Repair work using concrete kerb stones	W
5	Crawley Tunnel	Detail of kerb stones with voids	W
6	Crawley Tunnel	Stone capped drain to east of Crawley tunnel; capstones removed	W
7	Crawley Tunnel	Relationship between two stone capped drains	W
8	Crawley Tunnel	Location of north/south drain outside Royal Academy	N
9	Crawley Tunnel	Brick and steel section of tunnel at corner of Mound	W
10	Crawley Tunnel	Metal pipes & bolted steel plate cover in tunnel interior	W
11	Crawley Tunnel	Detail of tunnel interior	W
12	Crawley Tunnel	Detail of tunnel interior	N
13	Crawley Tunnel	Detail of brick walls and steel plates	NE
14	Crawley Tunnel	Detail of brick walls and steel plates	E
15	Crawley Tunnel	Detail of brick walls and steel plates with concrete repair	SW
16	Crawley Tunnel	Location of brick section with steel plates	N
17	Crawley Tunnel	Trial trench to locate western extent of brick cellars	W
18	Crawley Tunnel	Detail of hole in brick roof of cellar	N
19	Crawley Tunnel	Location of brick cellars & hole in roof	N
20	Crawley Tunnel	Location of brick cellars & hole in roof	W
21	Crawley Tunnel	Detail of hole in brick roof of cellar & trial trench	N

Drains adjacent to Crawley Tunnel; 11 September 2009			
Frame	Area	Subject	Taken from
1	-	Pre-excavation view of manhole in Princes Street	NW
2	-	Pre-excavation view of manhole in Princes Street	NW
3	-	Working shot	NE
4	-	View of manhole	N
5	-	Post-excavation view of manhole	N
6	-	Detailed post-excavation view of manhole	N

Frame	Area	Subject	Taken from
7	-	North facing section of manhole	N
8	-	North facing section of manhole	N
9	-	Manhole after cleaning	W
10	-	East corner of drain and capping slab	W
11	-	East corner of drain and capping slab	N
12	-	East corner of drain and capping slab	W
13	-	East corner of drain and capping slab	W
14	-	Detail of north facing section of manhole	N
15	-	North facing section of manhole; east end	N
16	-	North facing section of manhole; centre	N
17	-	North facing section of manhole; centre	N
18	-	North facing section of manhole; west end	N
19	-	South facing section	S
20	-	South facing section; west end	S
21	-	South facing section; east end and slab	S
22	-	South facing section; east end and slab	S

Drains adjacent to Crawley Tunnel; 16 September 2009			
Frame	Context No	Subject	Taken from
1	-	Post-excavation view of drain after exposure	E
2	-	Post-excavation view of drain after exposure	E
3	-	Post-excavation view of drain after exposure	N
4	-	Post-excavation view of drain after exposure	W
5	-	General view of drain to rear of Royal Scottish Academy	N
6	-	Post-excavation view of drain; north end	N
7	-	General view of drain to rear of Royal Scottish Academy	N
8	-	Post-excavation view of drain; south end	S
9	-	Post-excavation view of drain; south end	S
10	-	Post-excavation view of drain; south end	S
11	-	Post-excavation view of drain; south end	S
12	-	Post-excavation view of drain; close to south end	SE
13	-	Post-excavation view of drain; close to south end	S
14	017	Post-excavation view of drain; close to south end	SE
15	017	Post-excavation view of drain; close to south end	S
16	017	South facing section of drain; south end	S
17	017	East facing section of drain; south end	E
18	017	West facing section of drain; south end	W
19	017	Post-excavation view of drain; south end	NW
20	017	Post-excavation view of drain; centre	S
21	017	Post-excavation view of drain; centre	S
22	017	Post-excavation view of drain; centre	N
23	017	Post-excavation view of drain; centre	N
24	017	Post-excavation view of drain; centre	E
25	017	Post-excavation view of slab on top of drain	S
26	017	Post-excavation view of slab on top of drain	W
27	017	Post-excavation view of slab on top of drain	W
28	017	Post-excavation view of slab on top of drain	W
29	017	Post-excavation view of drain; north end	S
30	017	Post-excavation view of drain; north end	W
31	017	West facing section of drain; north end	W
32	017	West facing section of drain; north end	W
33	017	East facing section of drain; north end	E
34	017	East facing section of drain; north end	E
35	017	Post-excavation view of manhole at north end	W

Drains adjacent to Crawley Tunnel; 16 September 2009			
Frame	Context No	Subject	Taken from
36	017	Interior of manhole at north end	Plan view
37	017	Interior of manhole at north end	Plan view
38	017	Post-excavation view of slab and drain; north end	N
39	017	Post-excavation view of slab and drain; north end	N
40	017	Post-excavation view of drain; north end	S

Drains adjacent to Crawley Tunnel; 25 September 2009			
Frame	Context No	Subject	Taken from
1	018	General view of drain	NW
2	018	General view of drain	NW
3	017, 018	General view of drain	NW
4	017, 018	General view of drain	W
5	018	Drain at north side	S
6	017, 018	Drain at north side	S
7	018	Drain at east side	W
8	018	Drain at east side	W
9	018	Arched roof of drain	N
10	018	Arched roof of drain	N
11	018	Arched roof of drain	N
12	018	Arched roof of drain	N
13	018	Arched roof of drain	N
14	018	Arched roof of drain	N
15	017, 018	North end of drains	S
16	017, 018	North end of drains	S
17	017, 018	Detail of arched roofs	SE
18	017, 018	Detail of arched roofs	SE
19	018	Arched roof of drain	E
20	018	Drain	E
21	018	Drain 018 curving towards drain 017	S
22	018	Drain 018 curving towards drain 017	S
23	018	Drain 018 curving towards drain 017	S
24	017, 018	Detail of drains	W
25	017, 018	Juncture of drains 017 and 018	W
26	017, 018	Juncture of drains 017 and 018	W
27	017, 018	Juncture of drains 017 and 018	W
28	017, 018	Juncture of drains 017 and 018	W
29	018	Detail of drain's curvature	SE
30	018	Detail of drain's curvature	SE
31	018	Detail of drain's curvature	SE
32	018	Detail of drain's curvature	SE
33	018	Detail of drain's curvature	W
34	018	Detail of drain edge	W
35	017, 018	South facing section of drains	S
36	017, 018	South facing section of drains	S
37	017, 018	South facing section of drains	S
38	017, 018	Location of drains after cleaning	W
39	017, 018	Location of drains after cleaning	W
40	017, 018	Location of drains after cleaning	W
41	017	Capping slabs from drain 017	W
42	018	Capping slabs from drain 018	NW
43	017	Capping slabs from drain 017	S

Crawley Tunnel; 1st to 8th October 2009			
Frame	Context No	Subject	Taken from
1	-	File identity shot	-
2	-	Crawley tunnel being exposed	SSW
3	-	Crawley tunnel being exposed	W
4	-	Crawley tunnel being exposed	NE
5	-	Crawley tunnel being exposed	E
6	-	Cundy drain	W
7	-	Cundy drain	NE
8	021	View of brick vault	E
9	021, 026	View of brick vault and wall	S
10	021	View of brick vault	S
11	021	View of brick vault	S
12	025	View of wall	E
13	025	View of wall and vault	W
14	020-022	Deposits related to vault; west end	S
15	020-022	Deposits related to vault; east end	S
16	-	Crawley Tunnel North	W
17	-	Crawley Tunnel North	N
18	-	Crawley Tunnel North	W
19	030	Concrete repair	W
20	029	Detail of stonework	W
21	041, 042	Detail of channel cut into upper surface	W
22	028	Point where tunnel turns at foot of The Mound	N
23	043	South-west exterior of tunnel with concrete base	S
24	028	Southern exterior of tunnel	SE
25	-	Southern exterior of tunnel with drain	E
26	-	South side of tunnel	NE
27	035	Detail of recess in tunnel wall	E
28	028	Full extent of exposed tunnel	N
29	028	Full extent of exposed tunnel	N
30	028	Full extent of exposed tunnel	S
31	028	Full extent of exposed tunnel	S
32	-	South-eastern face of tunnel; north-east end	S
33	033	North end of tunnel with metal above pipe	S
34	032, 047	Central section of tunnel with channel	SW
35	033, 034	Detail of two metal pipes at north end	E
36	035	Detail of recess on east side of tunnel	E
37	030	Concrete repair	E
38	030, 037	Steel pipe coming out from tunnel at concrete	S
39	031	Small concrete patch on east side	SE
40	031, 032	Two small concrete patches on east side	SE
41	028, 043	Concrete bases and drain; south end	E
42	043	Concrete bases and drain; south end	S
43	043	Concrete bases and drain; south end	W
44	038, 043	Concrete bases and drain; south end	SW
45	042	Channel cut into upper surface	W
46	041	Channel cut into upper surface; viewed from above	W
47	030	Concrete repair; from above	S
48	028, 033	Detail of stonework after cleaning; north end	S
49	028	Exposed section of tunnel after cleaning	NE
50	033	Detail of channel and damage at north baulk	N
51	035	Blocking on west side; north end	W
52	030	Concrete repair with kerbstones and brick	W
53	030	Concrete repair with brick at both ends	W
54	030	Detail of bricks; south-west	NW

Crawley Tunnel; 1st to 8th October 2009			
Frame	Context No	Subject	Taken from
55	041	Detail of channel cut into top of roof	S
56	041, 042	Channel and damage on tunnel roof	SW
57	028	Southern half from concrete repair	NE
58	041	Detail of damage to roof	N
59	032, 042	Detail of channel over roof	NE
60	042	Detail of channel with sewer pipe fragment	E
61	028, 042	Tunnel from channel; looking to north-east	SW
62	044	Concrete base, damage to tunnel; south-east end	E
63	044	Concrete base over tunnel; south-east end	S
64	044	Concrete base over tunnel; south-east end	N
65	044, 045	Concrete base and brick drain; south-east end	E
66	-	New section of tunnel after cleaning	SSW
67	-	New section of tunnel after cleaning	S
68	-	New section of tunnel after cleaning	SE
69	-	New section of tunnel after cleaning	N
70	-	New section of tunnel after cleaning	NW
71	053	Detail of recess and pipe	ENE
72	053	Detail of recess and pipe	E
73	053	Detail of small recess	S
74	053	Detail of small recess	S
75	053	Detail of recess location	WSW
76	053	Detail of recess location	S
77	054	Detail of hollows at south end	WSW
78	052	Detail of flagstones among stones	ENE
79	050	Capping of chamber	NNW
80	061	Blockage at north end	SSE
81	058, 065	Disturbed floor stones	WSW
82	052	Interior of chamber	S
83	039, 040	Drain and manhole to east of main tunnel	SW
84	038, 045	Drain at south end of water tunnel	E
85	045, 046	Drain at south end of water tunnel	W
86	045, 046	Drain at south end of water tunnel	N
87	050	Working shot; removing capping stones	S
88	057, 058	Post-excavation view of chamber	S
89	057, 058	Post-excavation view of chamber	N
90	057	Post-excavation view of chamber	W
91	052, 056, 057	Post-excavation view of chamber	SW
92	049, 059	Detail of chamber adjoining tunnel	ENE
93	049, 059	Detail of chamber adjoining tunnel	N

Crawley Tunnel and Vaulted chambers; 27th to 30th October 2009			
Frame	Area	Subject	Taken from
1	-	-	-
2	-	-	-
3	-	Concrete over wall; after removal of roof	SW
4	-	South facing baulk at Hanover Street; two tunnels	S
5	Main tunnel	North baulk of main tunnel	S
6	Second tunnel	North baulk of second tunnel	S
7	-	View of the two tunnels	SE
8	-	Location shot of the two tunnels	S
9	Main tunnel	Detail of the main tunnel	S
10	Second tunnel	Detail of the second tunnel	S
11	-	Location shot of the two tunnels	W

Crawley Tunnel and Vaulted chambers; 27th to 30th October 2009			
Frame	Area	Subject	Taken from
12	Main tunnel	Concrete walls	NE
13	Main tunnel	Concrete at the corner of The Mound	NW
14	Main tunnel	View at the corner with The Mound	N
15	-	Interior of brick tunnel at The Mound	W
16	Vaulted Chamber	Backfilled cellars	E
17	Vaulted Chamber	Backfilled cellars	W
18	Vaulted Chamber	Backfilled cellars	W
19	Main tunnel	Concrete wall and roof at north end	W
20	Main tunnel	Concrete wall and roof at north end	SW
21	Main tunnel	Concrete at north end at north end	N
22	Main tunnel	Remaining stonework at north end	W
23	Main tunnel	Detail of tunnel	S
24	Main tunnel	Detail of tunnel	S
25	Main tunnel	Interior pipes at north end	S
26	Main tunnel	Interior at north end	S
27	Main tunnel	Roof at corner of The Mound	N
28	Main tunnel	Tunnel at corner of The Mound	N
29	Main tunnel	Bricks and pipes at corner of The Mound	W
30	Main tunnel	Bricks and pipes at corner of The Mound	W
31	Main tunnel	Tunnel at corner of The Mound	NE

Crawley Tunnel; 2nd to 12th June 2010			
Frame	Area	Subject	Taken from
1	Crawley Tunnel	Exterior of tunnel -preparing pipework	S
2	Crawley Tunnel	Exterior of tunnel- concrete shuttering	W
3	Crawley Tunnel	Exterior - concrete shuttering & pipes	NW
4	Crawley Tunnel	Exterior - new pipes to join in the tunnel	SW
5	Crawley Tunnel	Exterior - steel plates forming roof	N
6	Crawley Tunnel	Exterior steel plates & blocked manhole	NW
7	Crawley Tunnel	Exterior - steel plate with bolted fitting	N
8	Crawley Tunnel	Exterior - steel plates - 3 exposed	N
9	Crawley Tunnel	Exterior- steel plates with curved profile	E
10	Crawley Tunnel	Exterior- steel plates 1 complete section	E
11	Crawley Tunnel	Exterior- steel plates & manhole	N
12	Crawley Tunnel	Interior - roof removed, west elevation	E
13	Crawley Tunnel	West elevation - detail of fittings	E
14	Crawley Tunnel	Extent of working area - roof removed	S
15	Crawley Tunnel	West elevation detail of curving roof supports	E
16	Crawley Tunnel	Extent of working area - roof removed	S
17	Crawley Tunnel	Extent of working area - roof removed	S
18	Crawley Tunnel	General view - east elevation	NW
19	Crawley Tunnel	East elevation - bricks over stone wall	W
20	Crawley Tunnel	East elevation - looking north	SW
21	Crawley Tunnel	East elevation & pipe	SW
22	Crawley Tunnel	East elevation & pipe	SW
23	Crawley Tunnel	East elevation - detail of south end	W
24	South Tunnel	General - south tunnel profile	N
25	Crawley Tunnel	General - showing curved sections of wall heads	N
26	South Tunnel	South tunnel - profile & gate- glare	N
27	South Tunnel	South tunnel - profile & gate- glare	N
28	South Tunnel	South tunnel - profile & gate - camera shake	N
29	South Tunnel	South tunnel - gate open	N
30	South Tunnel	South tunnel -gate closed	N
31	South Tunnel	South tunnel -supporting wall & alcove	N
32	South Tunnel	South tunnel - profile	N

Crawley Tunnel; 2nd to 12th June 2010			
Frame	Area	Subject	Taken from
33	Crawley Tunnel	West elevation - detail of metal fittings	E
34	Crawley Tunnel	General - pipe removed	S
35	North Tunnel	North tunnel - junction with pipes	S
36	North Tunnel	North tunnel- steel roof plates with squares cut out	
37	North Tunnel	North tunnel - detail of steel roof	S
38	North Tunnel	North tunnel - detail of roof plates	W
39	North Tunnel	North tunnel - detail of roof plates	S
40	North Tunnel	North tunnel - interior	S
41	North Tunnel	North tunnel - west elevation	SE
42	North Tunnel	North tunnel - West elevation base and floor	SE
43	North Tunnel	North tunnel with new concrete roof in background	S
44	South Tunnel	South tunnel - steel roof plate -different from north	S
45	South Tunnel	South tunnel - roof plates & gate	N
46	South Tunnel	South tunnel - roof plates & gate	N
47	North Tunnel	North tunnel - general	S
48	North Tunnel	North tunnel - general pipe removed	S
49	South Tunnel	South tunnel - detail of gate hinge	N
50	South Tunnel	South tunnel - detail of gate	N
51	North Tunnel	North tunnel - east elevation wall fittings	W
52	North Tunnel	North tunnel- general from manhole	N
53	North Tunnel	North tunnel - start of new concrete roof	W
54	North Tunnel	North tunnel - east elevation wall fittings	W
55	Crawley Tunnel	General -extent of trench pipe removed	N

List of Black & White Photographs

Film No.	1	Crawley Tunnel; 1st to 8th October 2009	
Frame	Context No.	Subject	Taken from
1	-	File identity shot	-
2	-	Crawley tunnel being exposed	SSW
3	-	Crawley tunnel being exposed	W
4	-	Crawley tunnel being exposed	NE
5	-	Crawley tunnel being exposed	E
6	-	Cundy drain	W
7	-	Cundy drain	NE
8	021	View of brick vault	E
9	021, 026	View of brick vault and wall	S
10	021	View of brick vault	S
11	021	View of brick vault	S
12	025	View of wall	E
13	025	View of wall and vault	W
14	020-022	Deposits related to vault; west end	S
15	020-022	Deposits related to vault; east end	S
16	-	Crawley Tunnel North	W
17	-	Crawley Tunnel North	N
18	-	Crawley Tunnel North	W
19	030	Concrete repair	W
20	029	Detail of stonework	W
21	041, 042	Detail of channel cut into upper surface	W
22	028	Point where tunnel turns at foot of The Mound	N
23	043	South-west exterior of tunnel with concrete base	S
24	028	Southern exterior of tunnel	SE

Film No.	1	Crawley Tunnel; 1st to 8th October 2009	
Frame	Context No.	Subject	Taken from
25	-	South side of tunnel	NE
26	028	Full extent of exposed tunnel	N
27	028	Full extent of exposed tunnel	N
28	28	Pipe cutting through roof of tunnel	SW
29	028	Full extent of exposed tunnel	S
30	028	Full extent of exposed tunnel	S
31	-	South-eastern face of tunnel; north-east end	S

Film No.	2	Crawley Tunnel; 1st to 8th October 2009	
Frame	Context No.	Subject	Taken from
1	033	North end of tunnel with metal above pipe	S
2	032, 047	Central section of tunnel with channel	SW
3	033, 034	Detail of two metal pipes at north end	E
4	035	Detail of recess on east side of tunnel	E
5	030	Concrete repair	E
6	030, 037	Steel pipe coming out from tunnel at concrete	S
7	031	Small concrete patch on east side	SE
8	031, 032	Two small concrete patches on east side	SE
9	028, 043	Concrete bases and drain; south end	E
10	043	Concrete bases and drain; south end	S
11	043	Concrete bases and drain; south end	W
12	038, 043	Concrete bases and drain; south end	SW
13	042	Channel cut into upper surface	W
14	041	Channel cut into upper surface; viewed from above	W
15	030	Concrete repair; from above	S
16	028, 033	Detail of stonework after cleaning; north end	S
17	028	Exposed section of tunnel after cleaning	NE
18	033	Detail of channel and damage at north baulk	N
19	035	Blocking on west side; north end	W
20	030	Concrete repair with kerbstones and brick	W
21	030	Concrete repair with brick at both ends	W
22	030	Detail of bricks; south-west	NW
23	041	Detail of channel cut into top of roof	S
24	041, 042	Channel and damage on tunnel roof	SW
25	028	Southern half from concrete repair	NE
26	041	Detail of damage to roof	N
27	032, 042	Detail of channel over roof	NE
28	042	Detail of channel with sewer pipe fragment	E
29	028, 042	Tunnel from channel; looking to north-east	SW
30	044	Concrete base, damage to tunnel; south-east end	E
31	044	Concrete base over tunnel; south-east end	S
32	044	Concrete base over tunnel; south-east end	N
33	044, 045	Concrete base and brick drain; south-east end	E
31	-	South-eastern face of tunnel; north-east end	S

Film No.	2	Crawley Tunnel; 1st to 8th October 2009	
Frame	Context No.	Subject	Taken from
1	-	New section of tunnel after cleaning	SSW
2	-	New section of tunnel after cleaning	S
3	-	New section of tunnel after cleaning	SE
4	-	New section of tunnel after cleaning	N
5	-	New section of tunnel after cleaning	NW
6	053	Detail of recess and pipe	ENE

Film No.	2	Crawley Tunnel; 1st to 8th October 2009	
Frame	Context No.	Subject	Taken from
7	053	Detail of small recess	S
8	053	Detail of small recess	S
9	054	Detail of hollows at south end	WSW
10	052	Detail of flagstones among stones	ENE
11	050	Capping of chamber	NNW
12	061	Blockage at north end	SSE
13	058, 065	Disturbed floor stones	WSW
14	052	Interior of chamber	S
15	039, 040	Drain and manhole to east of main tunnel	SW
16	038, 045	Drain at south end of water tunnel	E
17	045, 046	Drain at south end of water tunnel	W
18	045, 046	Drain at south end of water tunnel	N
19	050	Working shot; removing capping stones	S
20	057, 058	Post-excavation view of chamber	S
21	057, 058	Post-excavation view of chamber	N
22	057	Post-excavation view of chamber	W
23	052, 056, 057	Post-excavation view of chamber	SW
24	049, 059	Detail of chamber adjoining tunnel	ENE
25	049, 059	Detail of chamber adjoining tunnel	N

West end of Princes Street

Stone Drain

List of Digital Photographs

Frame	Area	Context	Subject	Taken from
1			West facing section of stone-lined sewer entrance	W
2			East facing section of stone-lined sewer entrance	E
3			South facing section of stone-lined sewer entrance	S
4			South facing section of stone-lined sewer entrance showing water at base	S
5			North facing section of stone-lined sewer entrance	N

South Scotland Street

No concordance

York Place

List of Digital Photographs

Frame	Area	Context No.	Subject	Taken from
1			trench with steelwork	NE
2			steelwork from above	S
3			steelwork	W
4			Steelwork	SW
5			Steelwork	N
6			Steelwork	N
7			Steelwork	NW
8			Steelwork	E
9			Steelwork	E
10			Location looking towards York Place	E

Frame	Area	Context No.	Subject	Taken from
11			Part of tram rail	N
12			detail of rail	N
13			rail from above	W
14			Steelwork	W
15			Steelwork	NE
16			Steelwork	E
17			Steelwork	SE
18			2nd visit concrete removed from steelwork	N
19			Steelwork	NW
20			Steelwork	W
21			steelwork from above	S
22			steelwork from above	SW
23			steelwork from above	SE
24			detail of steelwork	SE
25			detail of steelwork	NE
26			detail of steelwork	NE
27			detail of steelwork	N
28			Steelwork	NW
29			location looking towards Picardy Place	W
30			detail of steelwork	NW
31			detail of steelwork	NW
32			steelwork central chamber	N
33			detail of steel box structure	NW
34			detail of steel box structure	SW
35			final visit with new pipes laid in trench	N
36			final visit with new pipes laid in trench	NE

Appendix F: Haymarket field records

Bull Heads

List of Contexts

Context No.	Area	Description	Interpretation
001	Rosebery House	Bull's head statue in flower bed	-
002	Rosebery House	Bull's head statue in flower bed	-
003	Rosebery House	Bull's head statue in flower bed	-
004	Rosebery House	Bull's head statue in flower bed	-

List of Digital Photographs

Haymarket; Bull's heads; November 2008		
Frame	Subject	Taken from
1	Bull's heads in location context	
2	Bull's heads 2 and 3	
3	Bull's heads 2 and 3	
4	Bull's heads 2 and 3	
5	Bull's heads 2 and 3	
6	Bull's head 1	
7	Bull's head 4	
8	Bull's heads in location context	
9	Bull's heads in location context	
10	Bull's heads 2 and 3	

Haymarket; Bull's heads; 30 January 2009		
Frame	Subject	Taken from
1	Bull's head 1; pre-excavation	
2	Bull's head 1 in location context	
3	Bull's head 1 during excavation	
4	Bull's head 1 during excavation	
5	Bull's head 1 during excavation	
6	Bull's head 1 during excavation	
7	Bull's head 1 during excavation	
8	Bull's head 1 during excavation	
9	Bull's head 1 during excavation	
10	Bull's head 1 during excavation	
11	Bull's head 1 during excavation	
12	Bull's head 1 during excavation	
13	Bull's head 1 during excavation	
14	Detail of bull's head 1	
15	Detail of bull's head 1	
16	Detail of bull's head 1	
17	Bull's head 4; pre-excavation view	
18	Bull's head 4 in location context	
19	Bull's head 4 in location context	
20	Bull's head 2; in location context	
21	Bull's head 2; in location context	
22	Bull's heads 2 and 3 in location context	
23	Bull's head 2; pre-excavation	
24	Bull's head 3; pre-excavation	
25	Bull's head 2; pre-excavation	
26	Bull's head 2; pre-excavation	
27	Bull's heads 2 and 3 during excavation	
28	Bull's heads 2 and 3 during excavation	
29	Bull's heads 2 and 3 during excavation	
30	Bull's heads 2 and 3 during excavation	
31	Bull's heads 2 and 3 during excavation	
32	Bull's heads 2 and 3 during excavation	
33	Bull's heads 2 and 3 during excavation	
34	Bull's heads 2 and 3 during excavation	
35	Bull's heads 2 and 3 during excavation	
36	Bull's heads 2 and 3 during excavation	
37	Bull's heads 2 and 3 during excavation	
38	Bull's heads 2 and 3 during excavation	
39	Bull's heads 2 and 3 during excavation	
40	Bull's heads 2 and 3 during excavation	
41	Bull's heads 2 and 3 during excavation	
42	Bull's heads 2 and 3 during excavation	
43	Bull's heads 2 and 3 during excavation	
44	Bull's heads 2 and 3 during excavation	
45	Bull's heads 2 and 3 during excavation	
46	Bull's heads 2 and 3 during excavation	
47	Bull's heads 2 and 3 during excavation	
48	Bull's heads 2 and 3 during excavation	
49	Bull's heads 2 and 3 in location context	
50	Bull's heads 2 and 3 during excavation	
51	Bull's heads 2 and 3 during excavation	
52	Bull's head 4; pre-excavation	
53	Bull's head 4 in location context	

Haymarket; Bull's heads; 30 January 2009		
Frame	Subject	Taken from
54	Bull's head 4; pre-excavation	
55	Bull's head 4; pre-excavation	
56	Bull's head 4; pre-excavation	
57	Bull's head 4; pre-excavation	
58	Bull's head 4; pre-excavation	
59	Bull's head 4; pre-excavation	
60	Bull's head 4 in location context	
61	Bull's head 4 in location context	
62	Bull's head 4 in location context	
63	Bull's head 4 in location context	
64	Bull's head 4 in location context	

Haymarket; Bull's heads; 12 March 2009		
Frame	Subject	Taken from
1	General location view	
2	General location view	
3	General location view	
4	Bull's head 1; before removal	
5	Bull's head 1; before removal	
6	Bull's head 1; before removal	
7	Bull's head 4; before removal	
8	Bull's head 4; before removal	
9	Bull's head 4; before removal	
10	Bull's heads 2 and 3; before removal	
11	Working shot; removing bull's head 1	
12	Working shot; removing bull's head 1	
13	Working shot; removing bull's head 4	
14	Working shot; removing bull's head 2	
15	Working shot; removing bull's head 3	
16	Bull's heads on trailer	
17	Bull's heads on trailer	
18	Bull's heads on trailer	
19	Bull's heads en route to storage facility	
20	Bull's heads en route to storage facility	
21	Bull's heads at storage facility	
22	Bull's heads at storage facility	
23	Unloaded at storage facility	
24	Bull's heads under protective sheets	
25	View of bull's heads location at storage facility	

List of Black & White Photographs

Frame	Subject	Taken from
1	Bull's head 1 during excavation	
2	Bull's head 1 during excavation	
3	Bull's head 1 during excavation	
4	Bull's head 1 during excavation	
5	Bull's head 1 during excavation	
6	Bull's head 1 during excavation	
7	Bull's head 1 during excavation	
8	Bull's head 1 during excavation	
9	Bull's head 1 during excavation	
10	Bull's head 1 during excavation	

Frame	Subject	Taken from
11	Bull's heads 2 and 3 during excavation	
12	Bull's heads 2 and 3 during excavation	
13	Bull's heads 2 and 3 during excavation	
14	Bull's heads 2 and 3 during excavation	
15	Bull's heads 2 and 3 during excavation	
16	Bull's heads 2 and 3 during excavation	
17	Bull's heads 2 and 3 during excavation	
18	Bull's heads 2 and 3 during excavation	
19	Bull's heads 2 and 3 during excavation	
20	Bull's heads 2 and 3 during excavation	
21	Bull's heads 2 and 3 during excavation	
22	Bull's heads 2 and 3 during excavation	
23	Bull's heads 2 and 3 during excavation	
24	Bull's heads 2 and 3 during excavation	
25	Bull's heads 2 and 3 during excavation	
26	Bull's heads 2 and 3 during excavation	
27	Bull's heads 2 and 3 during excavation	
28	Bull's heads 2 and 3 during excavation	
29	Bull's heads 2 and 3 during excavation	
30	Bull's heads 2 and 3 during excavation	
31	Bull's head 4 during excavation	
32	Bull's head 4 during excavation	
33	Bull's head 4 during excavation	
34	Bull's head 4 during excavation	
35	Bull's head 4 during excavation	

Air Raid Shelters

List of Drawings Cells

Drawing No.	Area	Sheet No.	Subject	Scale
1		1	Plan of main shelter before removal of roof	1:20
2		2	Profile and detail of steel roof	1:20

Finds List

Find No.	Area	Context No.	No. of Pieces	Material	Description
1		unstrat		metal	small pail
2		unstrat		bakelite	light fitting
3		unstrat		glass	beer bottle Drybrough Edinburgh
4		unstrat		metal	spacer block and rivet heads from roof

Digital Photographs

Air Raid Shelter; 20 January 2012		
Frame	Subject	Taken from
1	General view of underground shelter	E
2	General view of underground shelter	E
3	General view of underground shelter	W
4	General view of underground shelter	
5	General view of underground shelter	
6	General view of underground shelter	
7	General view of underground shelter	
8	General view of underground shelter	

Air Raid Shelter; 20 January 2012		
Frame	Subject	Taken from
9	General view of underground shelter	
10	General view of underground shelter	
11	General view of underground shelter	
12	General view of underground shelter	
13	General view of underground shelter	
14	General view of underground shelter	
15	General view of underground shelter	
16	Manhole and deposits	E
17	General view after cleaning	W
18	General view after cleaning	W
19	Steel roof	W
20	Manhole and deposits after cleaning	S
21	General view of underground shelter	SE
22	General view of underground shelter	SE
23	North facing section of road deposits	N
24	Detail of road deposits	N
25	Detail of manhole cover	N
26	North facing section of wall; west section	N
27	North facing section of wall; west section	N
28	North facing section of wall; west section	N
29	North facing section of wall; centre west section	N
30	North facing section of wall; central section	N
31	North facing section of wall; central section	N
32	North facing section of wall; east section	N
33	North facing section of wall; east section	N
34	North facing section of wall; east section	N
35	Doorway from central section to east section	NW
36	Doorway from central section to east section	W
37	South facing section of wall; west section	S
38	South facing section of wall; west and west central section	S
39	South facing section of wall; west central section	S
40	Detail of 'window' on south facing wall	S
41	South facing section of wall; central section	S
42	South facing section of wall; central section	S
43	South facing section of wall; east central section	S
44	South facing section of wall; east central section	S
45	South facing section of wall; east doorway	S
46	Detail of 'window' on north facing wall	N
47	Lifting roof of south spur	NW
48	Lifting roof of south spur	N
49	Lifting roof of south spur	N
50	Lifting roof of south spur	N
51	Pipes and light filament	N
52	Emergency Exit at west wall	NE
53	Emergency Exit notice on west wall	NE
54	Manhole after removal of cover	S
55	West end of shelter after removal of concrete	S
56	Working shot; removing girders at west	S
57	West end after removal of girders	W
58	North facing wall below girders	N
59	North facing wall below girders	NW
60	West wall below girders	NE
61	North facing wall below girders	N
62	General view looking east	W
63	General view looking east	W

Air Raid Shelter; 20 January 2012		
Frame	Subject	Taken from
64	West section after removal of girders	W
65	West section after removal of girders	W
66	West section after removal of girders	NE
67	West section after removal of girders	NE
68	West section after removal of girders	SE
69	Detail on south facing wall	S
70	General view looking west	E
71	Detail of interior of shelter	
72	Detail of interior of shelter	
73	Detail of interior of shelter	
74	Detail of interior of shelter	
75	Detail of interior of shelter	
76	Detail of interior of shelter	
77	Detail of interior of shelter	
78	Detail of interior of shelter	
79	Detail of interior of shelter	
80	Detail of interior of shelter	
81	Detail of interior of shelter	
82	Detail of interior of shelter	
83	Detail of interior of shelter	
84	Detail of interior of shelter	
85	Detail of interior of shelter	
86	Detail of interior of shelter	
87	Detail of interior of shelter	
88	Detail of interior of shelter	
89	Detail of interior of shelter	
90	Detail of interior of shelter	
91	Detail of interior of shelter	
92	Detail of interior of shelter	
93	Detail of interior of shelter	
94	Detail of interior of shelter	
95	Detail of interior of shelter	

Air Raid Shelter; 10 -13 April 2012		
Frame	Subject	Taken from
1	Steel roof partially exposed	W
2	Steel roof partially exposed	W
3	Looking into shelter; south wall	W
4	Looking into shelter; south wall	W
5	Looking into shelter; south wall	W
6	Steel roof fully uncovered	W
7	Steel roof fully uncovered	W
8	Detail of central section	W
9	Detail of central section	W
10	Detail of corrugated section	W
11	Roof fully uncovered	E
12	Detail of roof; east end	E
13	Detail of roof and north wall	E
14	Detail of roof and north wall	E
15	Detail of roof	NE
16	Detail of roof	SE
17	Whole roof	SE
18	Roof in location context	SW
19	Roof in location context	SW

Air Raid Shelter; 10 -13 April 2012		
Frame	Subject	Taken from
20	Detail of middle section	S
21	Detail of middle section	N
22	General location shot	NW
23	Exterior wall of shelter	N
24	Cleaning interior after removal of roof	W
25	Gutter and 'No Smoking' sign	N
26	Gutter and alcove in location context	NW
27	Gutter and alcove in location context	N
28	Side passage on north	S
29	Side passage detail	S
30	'No Smoking' sign	N
31	Gutter and alcove	N
32	General working shot; removing debris	W
33	General working shot; removing debris	W
34	General working shot; removing debris	E
35	General working shot; removing debris	E
36	General cleaning debris	E
37	Steel roof removed	E
38	Profile of roof; east	E
39	Roof	SE
40	Profile of roof; west	W
41	Roof construction detail; south-west corner	W
42	Construction detail; corrugated section	W
43	Construction detail; corrugated section	W
44	Construction detail; south-west corner	W
45	Roof	E
46	Roof	NW
47	Roof detail; east end	N
48	Roof detail; east end	N
49	Roof	SE
50	Construction detail; south-east corner	E
51	Construction detail; north-east corner	E
52	construction detail; rivetted sheets	N
53	Working shot; popping rivets with pecker	E
54	Working shot; clearing debris	E
55	No Smoking sign; gutter removed	N
56	North interior passage cleared	S
57	General clearing rubble	W
58	Detail of electrical boxes	W
59	Full width of north wall exposed	W
60	Alcove	N
61	Full width of north wall	E
62	Full width of north wall	E
63	Shelter; cleared of debris	E
64	Shelter; cleared of debris	E
65	Detail of west end	E
66	Detail of east end	W
67	Detail of drain on south side of shelter	W
68	Corridor entering main chamber	W
69	Detail of north wall; east end	S
70	Detail of north wall; side corridor	S
71	Detail of side corridor entrance	S
72	Detail of side corridor entrance	S
73	Detail of north wall; west end	S

Air Raid Shelter; 10 -13 April 2012		
Frame	Subject	Taken from
74	West wall with ladder	E
75	Detail of ducts on north wall; north-west corner	SE
76	Detail of ducts on north wall; north-west corner	S
77	'No Smoking' sign/stencil	NW
78	'No Smoking' sign/stencil	N
79	Broken breeze block in corridor	E
80	Side corridor on north wall	S
81	Side corridor on north wall; low section	S
82	View north along side corridor	S
83	View north along side corridor	S
84	View from side corridor to main chamber	N
85	Debris in side corridor	S
86	Debris in side corridor	S
87	Alcove on south wall	N
88	Detail of partition on south wall; east end	W
89	General view of main shelter	W
90	Detail of east wall; south-east corner	W
91	Detail of wooden check on north wall; east end	S
92	North wall; north-east corner	S
93	Detail of alcove and drain on south wall	W
94	Detail of alcove and drain on south wall	W
95	Detail of alcove and drain on south wall	E
96	Detail of upper courses of brick on south wall	E
97	Detail of upper courses of brick on south wall	NE
98	Detail of south wall; west end	N
99	Detail of ducting on south wall	N
100	Connecting corridor at west end	E
101	North-west corner	S
102	General view of main shelter	W
103	General view of main shelter and corridor	W
104	General view	E
105	Working shot; laying terram in shelter	E
106	Working shot; laying terram in shelter	E
107	Working shot; laying terram in shelter	NE
108	Steel sheet roof of connecting corridor	
109	Steel sheet roof of connecting corridor	
110	Steel sheets from corridor roof	
111	Working shot; dismantling roof of main structure	
112	Working shot; laying terram in shelter	W
113	Working shot; laying terram in shelter	W

Drain at Caledonian Ale House

No concordance

Animal bones and midden

No concordance

Appendix G: Balgreen field records

List of Photographs

Balgreen; 11 June 2009			
Frame	Context No.	Subject	Taken from
1	-	General view of well with capping stone removed	E
2	-	General view of well with capping stone removed	NE
3	-	Detail of well	NE
4	-	General view of well with capping stone removed	NE
5	-	General view of well with capping stone removed	SE
6	-	Well showing detail of capping stones and lead pipe	SE
7	-	Detail of lead pipe	SE
8	-	Well showing detail of capping stones and lead pipe	SE
9	-	Detail of well and lead pipe	NE
10	-	General view of well with capping stone removed	SE
11	-	Detail of lead pipe	Plan view

Appendix H: Broomhouse Drive field records

List of Contexts

Context No.	Area	Description	Interpretation
001	A	Topsoil	-
002	A	Grey/Brown Clay Deposit at Middle/South End of Site	-
003	A	Orange Yellow Sandy Subsoil at N-End of Site	-
004	A	Thick Grey Clay at N-End of Site	-
005	A	Enclosure – Smooth Sandstone Rubble fill	-
006	A	Modern Field Drain – Angular Granite Rubble Fill	-
007	A	Modern Field Drain – Angular Granite Rubble Fill	-
008	A	Cut of 005 (Enclosure)	-
009	A	Possible Rig Running N-S Through Site	-
010	A	Orange Mottled Clay Subsoil	-
011	B	Linear Rubble Feature N-S (W-End of Site)	-
012	B	Linear Irregular Feature Running E-W	-
013	B	Linear Curving Feature at E-End of Site	-
014	B	Modern Field Drain – Angular Granite Rubble Fill	-
015	B	Modern Field Drain – Angular Granite Rubble Fill	-
016	B	Thick Grey Clay Deposit Covering Site	-
017	B	Orange Mottled Clay Subsoil	-
018	B	Modern Field Drain – Angular Granite Rubble Fill	-
019	B	Modern Field Drain – Angular Granite Rubble Fill	-
020	B	Cut of 013 (Linear Feature)	-
021	B	Cut of 012 (Linear Irregular Feature)	-
022	B	Cut of 011 (Linear Feature)	-

List of Finds

Find No.	Area	Context No.	No. of Pieces	Material	Description	Date
001	A	Unstrat	-	Ceramic	White Gritty (Rim Sherd)	26/10/11
002	A	Unstrat	-	Ceramic	Clay Pipe (End of)	26/10/11
003	A	Unstrat	-	Ceramic	White Gritty (Decorated Sherd)	26/10/11
004	A	Unstrat	-	Ceramic	Brown Unglazed	26/10/11
005	A	Unstrat	-	Ceramic	Brown Unglazed	26/10/11

Find No.	Area	Context No.	No. of Pieces	Material	Description	Date
006	A	Unstrat	-	Ceramic	Clay Pipe (Stem)	26/10/11
007	A	Unstrat	-	Ceramic	Green Glaze (Rim Sherd)	26/10/11
008	A	Unstrat	-	Ceramic	Brown Glaze (Sherd)	26/10/11
009	A	Unstrat	-	Ceramic	White Gritty (Pot Sherd)	27/10/11
010	A (Slot 2)	005	-	Brick	Red Brick Fragment (Handmade)	28/10/11
011	A (Slot 2)	005	MANY	Bone	Animal Bone Fragments (Very Degraded)	28/10/11
012	A (Slot 1)	005	MANY	Bone	Animal Bone Fragments (Very Degraded)	28/10/11
013	A (Slot 1)	005	-	Ceramic	Brown Glaze (Sherd)	28/10/11
014	A (Slot 1)	005	-	Brick	Red Brick Fragment (Handmade)	29/10/11
015	A (Slot 3)	005	MANY	Bone	Animal Bone Fragments (Very Degraded)	29/10/11
016	A (Slot 4)	005	-	Ceramic	Assorted, Glazed	01/11/11
017	B	011	MANY	Bone	Animal Bone Fragments (Very Degraded)	02/11/11
018	B	011	-	Ceramic	Field Drain Fragment	02/11/11
019	B	011	-	Ceramic	Brick Fragments	02/11/11
020	A	Unstrat	-	Lithic	Possible Worked Lithic Fragment	01/11/11
021	B	012 (Slot 2)	-	Ceramic	Non – Glazed	02/11/11
022	B	012 (Slot 1)	-	Ceramic	Glazed – Rim Sherd	02/11/11
023	B	012 (Slot 1)	-	Bone	Animal Bone Fragments (Very Degraded)	02/11/11

List of Samples

Sample No.	Area	Context No.	Size	Reason for Sampling				Application/Comments
				Pot	Bone	Lithics	Botanics	
1	A(Slot 2)	005	2xL	-	-	X	X	-
2	A(Slot 3)	005	2xL	-	-	X	X	-
3	A(Slot 1)	005	1xL	-	-	X	X	-
4	A(Slot 4)	005	2xL	-	-	X	X	-
5	B	013	1xL	-	-	X	X	-
6	B	011	1xL	-	-	X	X	-

List of Drawings

Drawing No.	Area	Sheet No.	Subject	Scale
001	A	1	Plan of Enclosure (Area A)	1:50
002	A	2	Plan of Enclosure (Area A) (Continued)	1:50
003	A (Slot 3)	4	SE Facing Section through 005 (Slot 3)	1:10
004	A (Slot 2)	3	NE Facing Section Through Enclosure (Slot 2)	1:10
005	A (Slot 3)	4	Plan of (Slot 3)	1:20
006	A (Slot 2)	3	Plan of Slot 2 – Through Enclosure 005	1:20
007	A(Slot 1)	3	S-Facing Section through Enclosure 005 (Leaving Trench)	1:10
008	A(Slot 1)	3	Plan of Slot 1 – Through Enclosure 005	1:20
009	A(Slot 4)	4	E-Facing Section – Through 005, Slot 4	1:10
010	A(Slot 4)	4	Plan of Slot 4 – Through Enclosure 005	1:20
011	B	5	Plan of Area B	1:50
012	B	6	Plan of Area B (Continued)	1:50
013	B	4	W-Facing Section of 013	1:10
014	B	4	Plan of 013	1:20
015	B	4	Plan of Slot 2 Through Linear Feature 012	1:20
016	B	4	W-Facing Section Through 012	1:10
017	B	4	Post Ex Plan of Junction with 012	1:20
018	B	4	S-Facing Section through 011	1:10
019	B	4	Post Excavation Plan of 012 (Slot 1)	1:20
020	B	4	W-Facing Section Through 012 (Slot 1)	1:10

List of Digital Photographs

Frame	Area	Context No.	Subject	Taken from
17	B	012	Post Excavation Shot of 012 – Slot 2	N
18	B	012	W-Facing Section of 012 – Slot 2	E
19	B	011	S-Facing Section of 011	S
20	B	011	S-Facing Section of 011	S
21	B	011	S-Facing Section of 011	S
22	B	011 / 012	W-Facing Section of 012 abutting 011	W
23	B	011 / 012	Post Excavation Shot of 011 and 012 Junction	S
24	B	012	Post Excavation Shot of 012 (Slot 1)	S
25	B	012	Post Excavation Shot of 012 (Slot 1) -Detail	S
26	B	012	E-Facing Section of 012 (Slot 1)	E
27	B	012	E-Facing Section of 012 (Slot 1) – Detail	E
28	B	Gen	General Shots of Area B on Departure	E
29	B	Gen	General Shots of Area B on Departure	W
30	B	Gen	General Shots of Area B on Departure	W
31	B	Gen	General Shots of Area B on Departure	E
32	B	011 / 012	Pre Excavation shot Junction of 011 and 012	NE
33	B	013	Pre Excavation Shot of 013	W
34	B	013	Post Excavation Shot of 013 – Slot	W
35	B	013	Post Excavation Shot of 013 – Slot	W
36	A	Gen	General Shots of Terram cover over Site A	E
37	A	Gen	General Shots of Terram cover over Site A	W
38	A	Gen	General Shots of Terram cover over Site A	W
39	A	Gen	General Shots of Terram cover over Site A	W
40	B	012	Pre Excavation Shot of 012 – (Slot 1)	N
41	B	012	Pre Excavation Shot of 012 – (Slot 2)	N
42	A	005	Pre Excavation Shot of 005 (Slot 4)	SW
43	A	005	Pre Excavation Shot of 005 (Slot 4)	SW
44	A	005	E-Facing Section of 005 (Slot 4)	E
45	A	005	Post Excavation of 005 (Slot 1)	N
46	A	005	Post Excavation of 005 (Slot 1)	NE
47	A	005	Post Excavation of 005 (Slot 1)	N
48	A	Gen	General Shots of Area A – Completed	W
49	A	Gen	General Shots of Area A – Completed	N
50	A	Gen	General Shots of Area A – Completed	N
51	A	005	Pre Excavation Shot of 005 (Slot 2)	N
52	A	005	Pre Excavation Shot of 005 (Slot 2)	N
53	A	005	Pre Excavation Shot of 005 (Slot 1)	NW
54	A	005	Pre Excavation Shot of 005 (Slot 3)	NW
55	A	005	Pre Excavation Shot of 005 (Slot 3)	NW
56	A	005	Mid Excavation Shot of 005 (Slot 2)	NW
57	A	005	Mid Excavation Shot of 005 (Slot 2)	NW
58	A	Gen	General Working Shots of Area A	SW
59	A	Gen	General Working Shots of Area A	SW
60	A	Gen	General Working Shots of Area A	W
61	A	Gen	General Working Shots of Area A	W
62	A	Gen	General Working Shots of Area A	SW
63	A	Gen	General Working Shots of Area A	E
64	A	005	Post Excavation Shot of 005 (Slot 3)	SW
65	A	005	E-Facing Section of 005 (Slot 2)	E
66	A	005	W-Facing Section of 005 (Slot 2)	W
-	A	005	W-Facing Section of 005 (Slot 2)	W
-	A	005	Post Excavation Shot of 005 (Slot 2)	S
-	A	005	Post Excavation Shot of 005 (Slot 2)	S

Frame	Area	Context No.	Subject	Taken from
-	A	Gen	General Shots of Enclosure (After Cleaning)	NE
-	A	Gen	General Shots of Enclosure (After Cleaning)	NE
-	A	Gen	General Shots of Enclosure (After Cleaning)	SW
-	A	Gen	General Shots of Enclosure (After Cleaning)	SW
-	A	Gen	General Shots of Enclosure (After Cleaning)	NW
-	A	Gen	General Shots of Enclosure (After Cleaning)	NW
-	A	Gen	General Shots of Enclosure (After Cleaning)	N
-	A	Gen	General Shots of Enclosure (After Cleaning)	N
-	A	Gen	General Shots of Enclosure (After Cleaning)	NE
-	A	Gen	General Shots of Enclosure (After Cleaning)	NE
-	A	Gen	General Shots of Enclosure (After Cleaning)	W
-	A	Gen	General Shots of Enclosure (After Cleaning)	W
-	A	Gen	General Shots of Enclosure (After Cleaning)	NW
-	A	Gen	General Shots of Enclosure (After Cleaning)	NW
-	A	Gen	General Shots of Enclosure (After Cleaning)	SW
-	A	Gen	General Shots of Enclosure (After Cleaning)	SE
-	A	Gen	General Shots of Enclosure (After Cleaning)	SE
-	A	Gen	Detail of Enclosure (during stripping)	W
-	A	Gen	Detail of Enclosure (during stripping)	W
-	A	Gen	Detail of Enclosure (during stripping)	W
-	A	Gen	Detail of Enclosure	W
-	A	Gen	Detail of Enclosure	W
-	-	-	ID – SHOT	-
-	B	Gen	General Shots of Stripping (Area B)	S
-	B	Gen	General Shots of Stripping (Area B)	S
-	B	Gen	General Shots of Stripping (Area B)	S
-	B	Gen	General Shots of Stripping (Area B)	S
-	B	Gen	General Shots of Stripping (Area B)	S
-	B	Gen	General Shots of Stripping (Area B)	NE
-	B	Gen	General Shots of Stripping (Area B)	S
-	B	Gen	General Shots of Stripping (Area B)	NE
-	B	Gen	General Shots of Stripping (Area B)	NE
-	B	Gen	General Shots of Stripping (Area B)	NE
-	A	Gen	General Shots of Stripping (Area A)	S
-	A	Gen	General Shots of Stripping (Area A)	S
-	A	Gen	General Shots of Stripping (Area A)	S
-	A	Gen	General Shots of Stripping (Area A)	N
-	A	Gen	General Shots of Stripping (Area A)	S
-	A	Gen	General Shots of Stripping (Area A)	NE
-	A	Gen	Shot of Rig/Furrow	NE
-	A	Gen	General Shots of Stripping (Area A)	E
-	A	Gen	General Shots of Stripping (Area A)	E
-	A	Gen	General Shots of Stripping (Area A)	E
-	A	Gen	General Shots of Stripping (Area A)	E

List of Black and White Photographs

Film 1

Frame	Area	Context No.	Subject	Taken from
1	-	-	ID Shot	-
2	A	Gen	General Shot of Enclosure – After cleaning	NE
3	A	Gen	General Shot of Enclosure – After cleaning	NE
4	A	Gen	General Shot of Enclosure – After cleaning	SW
5	A	Gen	General Shot of Enclosure – After cleaning	SW
6	A	Gen	General Shot of Enclosure – After cleaning	NW
7	A	Gen	General Shot of Enclosure – After cleaning	NW
8	A	Gen	General Shot of Enclosure – After cleaning	NE
9	A	Gen	General Shot of Enclosure – After cleaning	NE
10	A	Gen	(Detail of Enclosure)	NE
11	A	Gen	(Detail of Enclosure)	NE
12	A	Gen	(Detail of Enclosure)	SW
13	A	Gen	(Detail of Enclosure)	SW
14	A	Gen	(Detail of Enclosure)	NW
15	A	Gen	(Detail of Enclosure)	NW
16	A	005	Pre Excavation Detail of 005 (Slot 1)	NW
17	A	005	Pre Excavation Detail of 005 (Slot 3)	NW
18	A	005	Mid Excavation Detail of 005 (Slot 2)	NW
19	A	005	Mid Excavation Detail of 005 (Slot 2)	NW
20	A	005	Post Excavation Shot of 005 (Slot 3)	SW
21	A	005	SE-Facing Section of 005 (Slot 3)	SE
22	A	005	SE-Facing Section of 005 (Slot 3)	SE
23	A	005	SE-Facing Section of 005 (Slot 3)	SE
24	A	005	Post Excavation Detail of 005 – (Slot 3)	NW
25	A	005	Post Excavation Detail of 005 – (Slot 3)	NW
26	A	005	Pre Excavation Shot of 005 – (Slot 4)	SW
27	A	005	Post Excavation Shot of 005 – (Slot 4)	SW
28	A	005	E-Facing Section of 005 – (Slot 4)	E
29	A	005	Post Excavation Detail of 005 – (Slot 1)	N
30	A	005	Post Excavation Detail of 005 – (Slot 1)	NE
31	B	011/012	Pre Excavation Shot of 011 – 012 Junction	NE
32	B	013	Pre Excavation Shot of 013	W
33	B	013	Post Excavation Shot of 013 slot	W
34	B	012	Pre Excavation Shot of 012 (Slot 1)	N
35	B	012	Pre Excavation Shot of 012 (Slot 2)	N

Film 2

Frame	Area	Context No.	Subject	Taken from
1	-	-	ID Shot	-
2	B	012	Post Excavation Shot of 012 (Slot 2)	N
3	B	012	N-Facing Section of 012 (Slot 2)	E
4	B	011	S-Facing Section of 011	SE
5	B	012	W-Facing Section of 012	W
6	B	011/012	Post Excavation Shot of 012 and 011 junction	SE
7	B	012	Post Excavation Shot of 012 (Slot 1)	SE
8	B	012	Post Excavation Detail of 012 (Slot 1)	SE
9	B	012	W-Facing Section of 012 (Slot 1)	E
10	B	012	W-Facing Section of 012 (Slot 1)	E

Appendix I: Edinburgh Park field records

List of Contexts Cells

Context No.	Area	Description	Interpretation
1001		Brown silty loam	Topsoil
1002		Orange/brown mixed silty sandy clay	In-fill material
1003		Stone filled linear feature	Field drain
1004		Yellow/orange gritty silty sand/clay	Natural
1005		Stone filled linear feature	Field drain
1006		Brown silty loam	Original surface/topsoil
1007		Linear feature with clay pipe	Field drain
2001		Brown silty loam	Topsoil
2002		Orange/brown mixed silty sandy clay	In-fill material
2003		Brown/black silty loam	Original surface/topsoil
2004		Yellow/gray silty sandy clay	Natural
2005		Stone filled linear feature	Field drain
2006		Linear feature with clay pipe	Field drain
3001		Brown silty loam	Topsoil
3002		Orange/brown mixed silty sandy clay	In-fill material
3003		Dark gray silty clay	In-fill material
3004		Brown/black silty loam	Original surface/topsoil
3005		Mottled Yellow/gray sandy clay with inclusions of coal	Natural
3006		Dark brown sandy gravel patches of sand and clay with coal inclusions	Natural
3007		Linear features, stone filled	Field drain
021	B	Cut of 012 (Linear Irregular Feature)	-
022	B	Cut of 011 (Linear Feature)	-

Finds List

Find No.	Area	Context No.	No. of Pieces	Material	Description
1		u/s	2	glass	bottles, 1 Bernard, Edinburgh , the other Dalkeith

List of Test Pits Cells

Tr No	Length	Width	Depth	Topsoil/ Overburden	Intermediate deposit	Intermediate deposit	Subsoil	Details
TP001	1 m	1 m	0.70 m	Medium/ loosely compacted brown silty loam, 0.30 m deep.	Heavy compacted brown/red silty sandy clay, 0.30 m deep re- deposited natural	Heavy compacted brown/black silty loam, 0.10 m deep, old land surface/ topsoil	Heavy compacted yellow/ orange sandy silty clay, natural	No archaeological remains
TP002	1 m	1 m	0.70 m	Medium/ loosely compacted brown silty loam, 0.60 m deep.	Heavy compacted orange silty gravel, natural			No archaeological remains
TP003	1 m	1 m	0.50 m	Medium compacted brown silty loam, 0.50 m.	Heavy compacted black gravel, old track way/ farm road		Heavy compacted orange silty sandy gravel	No archaeological remains

Tr No	Length	Width	Depth	Topsoil/ Overburden	Intermediate deposit	Intermediate deposit	Subsoil	Details
TP004	3 m	1 m	1.45 m	Medium/ loosely compacted brown silty loam, 0.20 m deep.	Heavy/ medium compacted red/orange silty sand water laid deposits, 0.65 m, natural	Heavy compacted yellow silty clay, 0.65 m, natural clay	Heavy compacted blue/gray silty sandy clay, natural clay	No archaeological remains
TP005	1 m	1 m	0.40 m	Medium/ loosely compacted brown silty loam, 0.40 m deep.	Heavy compacted orange/ yellow silty sandy gravel, natural gravel			No archaeological remains
TP006	1 m	1 m	1 m	Medium/ loosely compacted brown/black silty loam, 0.20 m deep, topsoil mixed with the matrix of old track way/ construction road	Heavy compacted black/red stone and ash matrix, 0.10 m deep old road surface	Medium/heavy compacted orange silty sandy clay, in- fill material		No archaeological remains
TP007	1 m	1 m	1.80 m	Medium/ loosely compacted brown silty loam, 0.20 m deep.	Medium compacted red/orange silty sand, 0.80 m deep re-deposited material forming the side of burn	Medium compacted orange/gray silty sandy clay, re-deposited natural		No archaeological remains

List of Digital Photographs

Edinburgh Park: Test Pits; 3 September 2008				
Frame	Area	Context No.	Subject	Taken from
1	-		General view of site	NE
2	-		General view of site	N
3	-		Rabbit	
4	1		Pre-excavation view of area 1	SE
5	1		Pre-excavation view of area 1	NE
6	1		Topsoil removal from area to the north of area 1	S
7	1		Starting to excavate	W
8	1		Working shot; south facing section in area 1	S
9	1		Working shot	W
10	1		Working shot showing dump deposits (made up group)	W
11	2		Starting to excavate area 2	W
12	2		Pre-excavation view of south end area 2	W
13	2		Working shot	SW
14	2		Working shot	NW
15	2		Test pit to locate the depth of natural	
16	2		Test pit to locate the depth of natural area 2	
17	2		Test pit to locate the depth of natural area 2	
18	2		Test pit to locate the depth of natural	
19	2		Test pit to locate the depth of natural	
20	2		Test pit to locate the depth of natural	

Edinburgh Park: Test Pits; 10 September 2008				
Frame	Area	Context No.	Subject	Taken from
1	-		ID shot	
2	1		Widening area 1	SE
3	1		Widening area 1; working shot	
4	1		Widening area stepping sides of trench	E
5	1		Widening area stepping sides of trench	E
6	1		Widening area stepping sides of trench	E
7	1	1003	Field drain	S
8	1	1006	Old surface/topsoil	N
9	1	1003	Field drain	NE
10	1		General view of natural	W
11	1		General view of natural	S
12	1		General view of natural	E
13	1		General view of natural	S
14	1		Working shot	E
15	1		Burst clay pipe field drain	
16	1		Working shot of Area 1	SE
17	1		Working shot of Area 1	SE
18	1		Working shot of Area 1	NE
19	1		Working shot of Area 1	NE

Edinburgh Park: Test Pits; 16 September 2008				
Frame	Area	Context No.	Subject	Taken from
1	2		Field drain in area 2	S
2	2		Field drain in area 2	N
3	2		General view of area 2	W
4	2		General view of area 2	W
5	2		General view of area 2	W
6	2		General view of area 2	W
7	2		North facing section	N
8	2		North facing section	N
9	2		North facing section	N
10	2		South facing section	S
11	2		General view of excavated area	E
12	2		General view of excavated area	E
13	2		North facing section	N
14	2		General view of area	E
15	2		South facing section	S
16	2	TP003	Trial trench in hollow area behind bridge foundation pits	S
17	2	TP004	Trial trench in hollow area behind bridge foundation pits	S
18	2	TP005	Trial trench in hollow area behind bridge foundation pits	S
19	2		General view of area between the offices	E
20	2		General view of area between the offices	E
21	3		Working shot of area 3	E
22	3		Working shot of area 3	E
23	3		Working shot of area 3	W
24	3		Working shot of area 3	E
25	3		Working shot of area 3	E
26	3		Working shot of area 3	SE

Edinburgh Park: Watching Brief; August 2010				
Frame	Area	Context No.	Subject	Taken from
1	-	-	Removing turf and topsoil	-
2	-	-	Removing turf and topsoil	-
3	-	-	Removing turf and topsoil	-
4	-	-	Removing turf and topsoil	-
5	-	-	Removing turf and topsoil	-
6	-	-	Removing turf and topsoil	-

Edinburgh Park: Watching Brief; 5th December 2011				
Frame	Area	Context No.	Subject	Taken from
1			File ID shot	
2	C	Ch 530/400	Test Pit showing made ground	N
3	C	Ch 530/380	Test Pit showing made ground	N
4	C	Ch 530/360	Test Pit showing made ground	N
5	C	Ch 530/340	Test Pit showing made ground	N
6	C	Ch 530/340	Test Pit showing made ground	N
7	C	Ch 530/320	Test Pit showing made ground	N
8	C	Ch 530/300	Test Pit showing made ground	N
9	C	-	General view of area being stripped	N
10	C	Ch 530/300	Over cut	N
11	C	Ch 530/340	Over cut	N
12	C	Ch 530/380	Natural subsoil in Test Pit	N
13	C	Ch 530/360	Natural subsoil in Test Pit	N
14	C	-	General view of area being stripped	E
15	C	-	General view of area being stripped	-
16	C	-	General view of area being stripped	N
17	C	-	General view of area being stripped	-
18	C	-	General view of area being stripped	-
19	C	-	General view of area being stripped	-
20	C	-	General view of area being stripped	-
21	C	-	General view of area being stripped	-
22	C	-	General view of area being stripped	-
23	C	-	General view of area being stripped	-
24	C	-	General view of area being stripped	-
25	C	-	General view of area being stripped	-
26	C	-	General view of area being stripped	-
27	C	-	General view of area being stripped	-
28	C	-	General view of area being stripped	-
29	C	-	General view of area being stripped	-
30	C	-	Working shot; south of compound	-
31	C	-	Working shot; south of compound	-
32	C	-	Working shot	W
33	C	-	Working shot	W
34	C	-	Working shot	-

Edinburgh Park: Watching Brief; 9th December 2011 to 9th February 2012				
Frame	Area	Context No.	Subject	Taken from
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-

Frame	Area	Context No.	Subject	Taken from
9	-	-	Drainage service trench	N
10	-	-	Working shot	N
11	-	-	Drainage service trench	W
12	C	-	East facing section of service trench	E
13	C	-	Working area	N
14	C	-	Drainage trench	S
15	C	-	Working shot; drainage trench	S
16	C	-	Post-excavation view of drainage trench	N
17	C	-	West facing section of drainage trench	W
18	C	-	Post-excavation view of drainage trench	S
19	B	-	General view of Areas B and C	S
20	B	-	General view of Area B	N
21	B	-	General view of Areas B and C	N
22	Gyle	-	West facing section of excavations	W
23	Gyle	-	West facing section of excavations	W
24	Gyle	-	General view of excavations	W
25	Gyle	-	East facing section of excavations	E
26	-	-	General view of excavations	N
27	C	-	General view of excavations at Lochside Avenue	N
28	C	-	General section view of excavations	E
29	C	-	General section view of excavations	E
30	C	-	General view of excavations	E
31	C	-	General view of excavations	E
32	C	-	Locating water pipe	S
33	C	-	General view of excavations	W
34	C	-	General view of excavations	N
35	C	-	View of backfilled trench	N
36	Gyle	-	Gyle station and stripped area	N
37	Gyle	-	Gyle station and stripped area	S
38	Gyle	-	East facing section at Gyle station	E
39	C	-	Floodwater sumps	W
40	C	-	Water from broken pipe	W
41	C	-	Water from broken pipe	W
42	B	-	General view of excavations	N
43	B	-	General view of excavations	N
44	B	-	General view of excavations	S
45	B	-	General view of excavations	SW
46	Gyle	-	Excavation at Gogar Roundabout	N
47	Gyle	-	Excavation at Gogar Roundabout	N
48	C	-	General view of excavations	E
49	C	-	General view of excavations	N
50	Gyle	-	General view of excavations	N
51	Gyle	-	General view of excavations	E
52	Gyle	-	General view of excavations	E
53	Gyle	-	Subsoil in modern cut	-
54	Gyle	-	Subsoil in modern cut	-
55	Gyle	-	Subsoil in modern cut	-
56	C	-	Post-excavation view of drainage trench	N
57	C	-	Post-excavation view of drainage trench	N
58	C	-	Post-excavation view of drainage trench	S
59	C	-	General view of excavations	S
60	Gyle	-	General view of excavations	E
61	Gyle	-	General view of excavations	E
62	Gyle	-	General view of excavations	E
63	Gyle	-	General view of excavations	NE

Frame	Area	Context No.	Subject	Taken from
64	Gyle	-	General view of excavations	SW
65	Gyle	-	General view of excavations	SW
66	Gyle	-	General view of excavations	NE
67	Gyle	-	General view of excavations	NE
68	C	-	General view of excavations	N
69	C	-	General view of excavations	S
70	Gyle	-	General view of excavations	SE
71	C	-	General view of excavations	-
72	C	-	General view of excavations	-
73	C	-	General view of excavations	-
74	C	-	General view of excavations	-
75	C	-	General view of excavations	-
76	C	-	General view of excavations	-
77	C	-	General view of excavations	-
78	C	-	General view of excavations	-
79	C	-	General view of excavations	-
80	C	-	General view of excavations	-
81	C	-	General view of excavations	-
82	C	-	General view of excavations	-
83	C	-	General view of excavations	-
84	C	-	General view of excavations	-
85	C	-	General view of excavations	-
86	C	-	General view of excavations	-

Edinburgh Park: Watching Brief; 20th December 2011				
Frame	Area	Context No.	Subject	Taken from
1	-	-	Laying pipes in service ducts	-
2	-	-	Laying pipes in service ducts	-
3	-	-	Laying pipes in service ducts	-
4	-	-	Laying pipes in service ducts	-
5	-	-	Laying pipes in service ducts	-
6	-	-	Laying pipes in service ducts	-
7	-	-	Laying pipes in service ducts	-
8	-	-	General view of excavations	-
9	-	-	General view of excavations	-
10	-	-	General view of excavations	-
11	-	-	General view of excavations	-
12	-	-	General view of excavations	-
13	-	-	General view of excavations	-
14	-	-	General view of excavations	-
15	-	-	General view of excavations	-
16	-	-	General view of excavations	-
17	-	-	General view of excavations	-
18	-	-	General view of excavations	-
19	-	-	General view of excavations	-
20	-	-	General view of excavations	-
21	-	-	General view of excavations	-
22	-	-	General view of excavations	-
23	-	-	General view of excavations	-
24	-	-	General view of excavations	-
25	-	-	General view of excavations	-
26	-	-	General view of excavations	-
27	-	-	General view of excavations	-
28	-	-	General view of excavations	-
29	-	-	General view of excavations	-

Edinburgh Park: Watching Brief; Undated				
Frame	Area	Context No.	Subject	Taken from
1	C	-	General working shot	-
2	C	-	General working shot	-
3	C	-	General working shot	-
4	C	-	Slab uncovered during excavations	-
5	C	-	General working shot	-
6	C	-	General working shot	-
7	C	-	General working shot	-
8	C	-	General working shot	-
9	C	-	General working shot	-
10	C	-	General working shot	-
11	C	-	General working shot	-

Appendix J: Gogar Church to Airport field records

List of Contexts

Context No.	Area	Description	Interpretation
1	3	Mid-brown silty loam	Topsoil
2	3	Very fine grained yellowy brown sand	Subsoil
3	3	Yellow/ brown silty clay	Subsoil
4	3	Light brown silty loam	Intermediate fill
5	3	Very fine grained yellowish grey sand with patches of black stones	Subsoil
6	3	Light grey silty clay	Subsoil
7	5/4	Light brown silty loam with a lot of debris	Topsoil/Landfill
8	5	Blue/ grey clay	Subsoil
9	6	Mid-brown silty loam	Topsoil
10	6	Very dark grey-brown silty clay with some debris	Subsoil/Landfill
11	3	Light grey silty clay	Subsoil (Probably same as 006)
12	6	Mid-brown silty loam	Spoil from previous archaeological work
13	6	Blue/ dark grey clay with debris	Subsoil/ Landfill
14	6	Yellow/ brown sandy clay with slight grey	Subsoil
15	6	Yellowish brown sand	Subsoil
16	3	Yellow/ grey silty clay	Subsoil
17	3	Yellow sand	Subsoil
18	3	Very fine grained yellowish grey sand with patches of black stones	Subsoil (Probably same as 005)
19	4	Yellow/ brown silty clay	Subsoil
20	4	Dark brown/ grey silty clay	Subsoil
21	4	Mid-brown silty loam	Topsoil
22	4	Light brown silty loam	Intermediate fill
23	4	Light grey silty clay with patches of yellow	Subsoil
24	4	Mid-brown fine grained sand	Intermediate fill
25	4	Moderately compacted mid brown silty loam	Topsoil (Probably same as 021)
26	1	Moderately compacted mid brown silty loam	Topsoil (Disturbed by previous work in car park)
27	1	Moderately compacted dark brown/blue silty loam frequent inclusions of boulders	Intermediate fill
28	4/1	Loose orange/brown fine grained sand	Subsoil
29	1	Moderately compacted cream silty clay with moderate inclusions of small stones	Subsoil
30	1	Loose light brown fine grained sand	Topsoil (Probably part of previous work in car park)

Context No.	Area	Description	Interpretation
31	1	Angular shape medium size grey stones	Intermediate fill (Ground levelling material)
32	1	Angular shape medium size pink/red blaze	Intermediate fill (Ground levelling material)
33	4/1	Hardly compacted blue/dark grey silty-sand clay- Boulders clay	Subsoil
34	1	Moderately compacted silty loam with frequent inclusions of debris	Topsoil (Probably same as 026)
35	1	Moderate to firmly compacted orange silty clay with < 5% gravel inclusions and coal flecks	Possible plough soil
1001	1	Medium compaction mid brown silty clay with occasional cobbles and pebbles. 0.28 m thick	Topsoil
1002	1	Medium compaction mottled yellow/grey/brown silty clay with occasional boulders and cobbles.	Subsoil
1003	2	Loose to medium compaction dark brown sandy silt/clay with frequent pebbles. 0.33-0.37 m thick	Topsoil
1004	2	Loosely compacted orange/brown silty sand with frequent cobbles and pebbles. Up to 0.80 m thick	Hillwash
1005	2	Heavily compacted yellow/orange silty sand with patches of manganese, frequent pebbles and cobbles and occasional boulders.	Subsoil
1006	2	Linear cut 3 m long, 0.60 m wide and 0.30 m deep	Cut for stone field drain
1007	2	Stone lining and capping of post-medieval field drain 006	Stone field drain
1008	2	Oval shaped shallow depression	Natural feature
1009	2	Medium compaction yellow/brown sandy gravel forming curvilinear shape	Natural feature
1010	2	Linear cut of modern ceramic field drain	Modern field drain
1011	3	Very heavily compacted grey/brown silty sand and clay. 0.36 to 0.60 m thick	Topsoil
1012	3	Heavily compacted mottled orange/grey/brown clay sand with cobbles, pebbles and occasional boulders.	Subsoil
1013	3	Loosely compacted orange/brown silty sand with frequent cobbles and pebbles. Up to 0.80 m thick	Hillwash
1014	3	Loosely compacted orange/yellow silty sand with manganese spreads, cobbles and boulders.	Subsoil
1015	-	Number not used	-
1016	-	Number not used	-
1017	-	Number not used	-
1018	-	Number not used	-
1019	-	Number not used	-
1020	-	Number not used	-
1021	2	Animal burrow	VOID
1022	2	Heavily compacted red/brown gravel with pebbles. 0.08 m thick.	Fill of shallow depression 1008. Natural feature.
1023	2	Animal burrow	VOID
1024	2	Medium compaction grey/brown silt sand and grey/ yellow clay.	Subsoil at culvert at west end of area 2
1025	2	Loose orange gravel and coarse sand	Subsoil upslope of culvert at west end of area 2
1026	2	Linear cut oriented NE to SW; 0.46 m wide and 0.20 m deep.	Field drain
1027	2	Loose grey/brown silty sand with gravel and manganese.	Fill of field drain 1026
1028	2	Circular cut 0.45 m in diameter and 0.30 m deep.	Cut of posthole of small pit
1031	2	Medium compaction dark brown/black sandy silt with pebbles and charcoal. 0.15 m thick. Contained lithic (SF 1) and prehistoric ceramic (SF 2)	Upper fill of pit/posthole 1028
1032	2	Medium compaction light brown sandy silt with packing stones. 0.15 - 0.25 m thick.	Lower fill of pit/posthole 1028

List of Finds Cells

Find No.	Area	Context No.	No. of Pieces	Material	Type	Description
1	2	1029	1	lithic	flint	blade
2	2	1029	1	ceramic	prehistoric	body sherd
3	-	-	-	-	-	-
4	2	u/s	1	lithic	chert	worked core
5	3	u/s	2	metal	Fe	possible agricultural implements
6	2	u/s	1	ceramic	prehistoric	body sherd
7	3	1	1	lithic	flint	fragment
8	3	1	6	glass	modern	fragments
9	3	1	8	ceramic	modern	fragments
10	3	1	20	bone	animal	fragments
11	3	1	1	ceramic	clay pipe	stern
012	A (Slot 1)	005	MANY	Bone	Animal Bone Fragments (Very Degraded)	28/10/11
013	A (Slot 1)	005	-	Ceramic	Brown Glaze (Sherd)	28/10/11
014	A (Slot 1)	005	-	Brick	Red Brick Fragment (Handmade)	29/10/11
015	A (Slot 3)	005	MANY	Bone	Animal Bone Fragments (Very Degraded)	29/10/11
016	A (Slot 4)	005	-	Ceramic	Assorted, Glazed	01/11/11
017	B	011	MANY	Bone	Animal Bone Fragments (Very Degraded)	02/11/11
018	B	011	-	Ceramic	Field Drain Fragment	02/11/11
019	B	011	-	Ceramic	Brick Fragments	02/11/11
020	A	Unstrat	-	Lithic	Possible Worked Lithic Fragment	01/11/11
021	B	012 (Slot 2)	-	Ceramic	Non – Glazed	02/11/11
022	B	012 (Slot 1)	-	Ceramic	Glazed – Rim Sherd	02/11/11
023	B	012 (Slot 1)	-	Bone	Animal Bone Fragments (Very Degraded)	02/11/11

List of Samples

Sample No.	Area	Context No.	Size	Reason for Sampling				Application/Comments
				Pot	Bone	Lithics	Botanics	
1	2	22	1 x L	-	-	-	x	-
2	2	29	2 x L	-	-	-	x	-
3	2	30	-	-	-	--	-	-

List of Drawings

Drawing No.	Area	Sheet No.	Subject	Scale
1	2	1	Post-excavation plan of shallow pit	1:20
2	2	1	East facing section of shallow pit	1:20
3	2	1	Pre-excavation plan of field drain	1:20
4	2	1	North-east facing section of field drain	1:10
5	2	1	East facing section of pit / posthole	1:10
6	2	1	Post-excavation plan of pit / posthole	1:10

List of Digital Photographs

File: 2706 digital image 15-10-08				
Film No.	Area	Context No.	Subject	Taken from
1	3		Pre-excavation view of Area 3	S
2	3		Pre-excavation view of Area 3	W
3	3		Working shot	N
4	3		Working shot	N
5	3	001/002	South-west facing section	SW
6	3		Working shot	N
7	3		Working shot	W
8	3		Working shot	N
9	3		Working shot	N
10	3		Working shot	NE
11	3	001/004/005	North facing section	N
12	3		Working shot	W
13	3		Working shot	W
14	3		Working shot	S
15	3		Working shot	SE
16	3	002	Working shot	S
17	3		Working shot	W
18	5		Working shot on ramp	S
19	5		Working shot on ramp showing natural	S
20	5		Panoramic view showing bridge and Area 3	S
21	5		Working shot; dump of material on ramp	S
22	5		Working shot; dump of material on ramp	S
23	6		Working shot in Area 6	E
24	6		North-west facing section in Area 6	NW
25	6		Working shot; Gogar church	N
26	3	001/002	North facing section	N
27	3	001/002	Working shot	E
28	3		View of south side of Area 3	W
29	3	002	Working shot; field drain	E
30	3		Post-excavation view of north-east of Area 3	SW
31	3		Post-excavation view of north-west of Area 3	SE
32	3		Working shot on north side of bridge	S
33	6		Pre-excavation view of Area 6	S
34	6		Pre-excavation view of Area 6	SE
35	3		Detail of stone drain	E
36	3		Stone drain running north-east/south-west	E
37	3		Working shot	E

File: 2706 digital images 5-11-08				
Film No.	Area	Context No.	Subject	Taken from
1	6		Working shot	SW
2	6		Working shot	SW
3	6		Working shot; pipes	E
4	6		Working shot with Bob and Craig	E
5	6	012/014	South facing section	S
6	6		Working shot; concrete	SE
7	6		Working shot; road and dump	SW
8	6		Working shot; church	SW
9	6		Detail of contexts in Area 6	SW
10	6	012/013/014/ 015	Working shot; Area 6	SW
11	3		Working shot; Area 3	S

Frame	Area	Context No.	Subject	Taken from
12	3	004/016/017	Post-excavation view of Area 3	SW
13	6	013/014	Working shot	W
14	6		Stone drain running north-east/south-west	S
15	3		Shamrocks with dew /ice	
16	3		North facing section	N
17	3		North facing section	N
18	4		Pre-excavation view of south side of bridge	N
19	4	7	Working shot; removing landfill	S
20	4	7	Working shot; removing landfill	SE
21	4	7	North facing section	E
22	4	007/019	East facing section	E
23	4		Safe found in area 4	
24	3		Working shot: Area 3	N
25	4	7	Working shot	E
26	4	007/019	North-west facing section of test pit	NW
27	4		Pre-excavation of north side of bridge	S
28	4	21	Working shot	E
29	4		Working shot; south side of bridge	W
30	3	1	Working shot; square next to river	E
31	4		Working shot; area north of bridge	S
32	4		Working shot; area south of bridge	E
33	4		Working shot; area south of bridge	N
34	4		Working shot; area south of bridge	N
35	4	021/022/023	Working shot; area north of bridge	N
36	4	7	South area of bridge, showing depth	N
37	4	7	Working shot; area south of bridge	W

Film No.	File:2706 digital images 13-11-08			
Frame	Area	Context No.	Subject	Taken from
1	3		Working shot; road alongside Area 3	NW
2	4		Working on south side of bridge	E
3	4		Working on south side of bridge	E
4			View of road alongside Area 3	S
5	4		Working on south side of bridge	S
6	4		Working on north side of bridge	W
7	4	021/022/023/024	North facing section at north side of bridge	W
8	4	021/022/023	South facing section at north side of bridge	S
9	4		Working shot on north side of bridge	SE
10	4		Working shot showing both sides of bridge	N
11	4		Post-excavation view of north side of bridge	S
12	4		Working shot; south side of bridge	SE
13	4		Working shot; south side of bridge	E

Film No.	File:2706 digital images 20-11-08			
Frame	Area	Context No.	Subject	Taken from
1			ID shot (deleted)	
2	4	019/020	South facing section on south side of bridge	S
3	4	007/025	Working shot; south side of bridge	SW
4	1		Pre-excavation view of Area 1 (car park to the west)	S
5	1		Pre-excavation view of Area 1 (car park to the west)	S
6	1		Working shot	E
7	1		Working shot	S
8	1		Working shot showing undulating of land	SE
9	1		Working shot showing construction material	S

Frame	Area	Context No.	Subject	Taken from
10	1		Working shot showing pre-excavation area in north side	S
11	1		Detail of debris at north-east corner of car park	E
12	1		Working shot showing west facing section and boulders	W
13	1		Working shot	S
14	1	027/028	West facing section	W
15	1		Working shot	S
16	1		Working shot	E
17	1		Post-excavation view of north side of Area 1	SE
18	1		Post-excavation view of north side of Area 1	SE
19	1		Post-excavation view of south side of Area 1	N

Film No.	File:2706 digital images 13-05-09			
Frame	Area	Context No.	Subject	Taken from
1			ID shot	
2	3		Panoramic pre-excavation view of area to be stripped	S
3	3		Panoramic pre-excavation view of area to be stripped	W
4	3		Panoramic post-excavation view of stripped area	W
5	3		East facing section	E

Film No.	File:3118 digital images 9-04-10			
Frame	Area	Context No.	Subject	Taken from
1	1	-	ID shot	-
2	1	-	Topsoil strip location view; north end	SE
3	1		Topsoil strip location view; north end	S
4	1	1002	North area after removal of topsoil	S
5	1	-	Drainage ditch	N
6	1	-	Drainage ditch in location context	N
7	1	1002	North area after removal of topsoil	N
8	1	1002	Central area after removal of topsoil	S
9	1	1002	Central area after removal of topsoil	S
10	1	-	Topsoil strip location view; south end	NW
11	1	1002	South area after removal of topsoil	N

Film No.	File:3118 digital images 22-04-10			
Frame	Area	Context No.	Subject	Taken from
1	-	-	ID shot	-
2	2	-	Topsoil strip location shot	SE
3	2	1005	Topsoil removed at west end of area	S
4	2	1005	Topsoil removed at west end of area	W
5	2	1005	West end of Area 2 and evaluation trench	W
6	2	1005	West end of Area 2 and evaluation trench	N
7	2	1005	Topsoil removed at west end of area	E
8	2	1005	Topsoil strip location shot	E
9	2	-	GUARD's 2008 excavation site	E
10	2	-	GUARD's 2008 excavation site/ badger sett	NW
11	2	-	Central segment of Area 2 before topsoil strip	SE
12	2	1005	Centre south after removal of topsoil	W
13	2	-	Central segment during topsoil strip	W
14	2	-	Central segment during topsoil strip	W
15	2	1006,1007	Stone feature	NE
16	2	1006,1007	Stone feature	SE
17	2	1006,1007	North-east facing section of stone feature	NE
18	2	1004	General view of west end of central section	E
19	2	1008	Pre-excavation view of possible pit	S

Frame	Area	Context No.	Subject	Taken from
20	2	1008	Pre-excavation view of possible pit	E
21	2	1009	Pre-excavation view of curvilinear feature	SW
22	2	1009	Pre-excavation view of curvilinear feature	NW
23	2	1010,1021	Pre-excavation view of two linear cuts	NW
24	2	1010	Post-excavation view of slot through field drain	E
25	2	1021	Post-excavation view of slot through linear cut	E
26	2	1021,1023	North facing section of linear cut	N
27	2	1021,1023	South facing section of linear cut	S
28	2	1008	Post-excavation view of shallow pit	E
29	2	1007	Pre-excavation view of possible wall	SW
30	2	1007	Pre-excavation view of possible wall	NE
31	2	1007	West facing section of possible wall	W
32	2	1005	Subsoil at north-east corner of area	SE
33	2	1005	Subsoil at east end of area	SE
34	2	1005	Subsoil at east end of area	SE
35	2	1024	Subsoil to east of culvert	S
36	2	1024	Subsoil to east of culvert	NW
37	2	1024	Subsoil to east of culvert	SE
38	2	1024	Subsoil to east of culvert	SE
39	2	1024	Deposits at watercourse at west of area	SE
40	2	1003,1004,1025	Depth of deposits upslope at watercourse	N
41	2	1025	Post-stripping at east of culvert	SE
42	2	1025	Post-stripping at east of culvert	SE
43	2	1025	Post-stripping at east of culvert	SE
44	2	1026,1027	Pre-excavation view of linear gully	SW
45	2	1026,1027	Pre-excavation view of linear gully	NE
46	2	1026,1027	Pre-excavation view of linear gully	NE
47	2	1026,1027	North-west facing section through linear gully	NW
48	2	1005	West end of area after removal of topsoil	W
49	2	1005	West end of area after removal of topsoil	W
50	2	1005	Southern end of area after removal of topsoil	E
51	2	1005	North-east area of haul road after stripping topsoil	W
52	2	1009	Possible curvilinear cut after cleaning	W
53	2	1009	Possible curvilinear cut after cleaning	W
54	2	1028,1029	Pre-excavation view of small pit	W
55	2	1028 - 1030	East facing section of small pit	E
56	2	1028 - 1030	East facing section of small pit	E
57	2	1028	Post-excavation view of small pit	E
58	2	1028	Post-excavation view of small pit	E
59	2	1006,1007	Post-excavation view of stone feature	SW
60	2	1006,1007	Post-excavation view of stone feature	NE
61	2	1006,1007	Detail of stone feature	SW

Film No.	File:3118 digital images 26-04-10			
Frame	Area	Context No.	Subject	Taken from
1	3	-	Pre-excavation view of area end of area	SE
2	3	-	Pre-excavation view of area end of area	SE
3	3	-	ID shot	-
4	3	1011,1012	North facing section showing topsoil depth	N
5	3	1012	Rubble field drains at east of area	SE
6	3	1012	Pre-cleaving view of field drain	SE
7	3	1012	North-west facing section of field drain	NW
8	3	1012	South-east of area after removal of topsoil	E
9	3	1012	Subsoil at south-east of area	SW

Frame	Area	Context No.	Subject	Taken from
10	3	1013	Rubble field drain at west end of area	SW
11	3	1013	Rubble field drain at west end of area	SW
12	3	1012	Cobble field drain after full area strip	SE
13	3	1012	Centre of area after removal of topsoil	E
14	3	1012	General view of stripped area	W
15	3	1012	General view of stripped area	W
16	3	1012	West end of stripped area	N
17	2	1014	Working shot; immediate west of Gogar Farm Road	E
18	2	1014	Working shot; immediate west of Gogar Farm Road	E
19	2	1005	Subsoil at central section of Area 2	W
20	2	1021	Post-excavation view of animal burrow	N
21	2	1005	Area containing pit 1028, post-stripping	S
22	2	1005	Area containing pit 1028, post-stripping	N
23	2	1005	Area west of stone drain 1006, post-stripping	W
24	2	1005	Area west of stone drain 1006, post-stripping	SW
25	2	1005 - 1007	North-east end of stone drain	NE
26	2	1005	Central section of area 2 post stripping	SE
27	2	1005	Central section of area 2 post stripping	SE
28	2	1005	Central section of area 2 post stripping	Se
29	2	1005	Central section of area 2 post stripping	W
30	2	1005	Central section of area 2 post stripping	W
31	2	1005	Soil depths to east of badger sett	E
32	2	-	General post-stripping view of east of area	W
33	3	1011,1012	General view of south-east drainage ditch	W
34	3	1011,1012	General view of south-west drainage ditch	E
35	2	-	Traffic congestion at Gogar Farm Road	SW
36	2	1005	North-east extension after stripping	S
37	2	1005	North-east extension after stripping	N

List of Black & White Photographs

Film No.	002			
Frame	Area	Context No.	Subject	Taken from
1	3		Film ID shot	
2	3		Pre-excavation view	W
3	3		Working shot	S
4	3		Working shot	N
5	3	001/003	Working shot showing 001 and 003	NE
6	3		Working shot	W
7	3	021/022/023/ 024	Working shot; panoramic view	W
8	5	021/022/023	Working shot; ramp	S
9	5		Working shot; ramp	N
10	1	-	Topsoil strip location view; south end	NW
11	1	1002	South area after removal of topsoil	N

Film No.	004			
Frame	Area	Context No.	Subject	Taken from
1			Film ID shot	
2	6		Pre-excavation view; front of compound showing church	S
3	6		Pre-excavation view; front of compound showing bridge	SE
4	6		Working shot	SE
5	6	001/003	Working shot in area 6	W
6	4		Working shot showing bridge	W

Frame	Area	Context No.	Subject	Taken from
7	4	021/022/023/024	Working shot showing bridge	S
8	3/4	021/022/023	Panoramic view of area 3; bridge foundations and square for "Japanese Knotweed"	S
9	4		View of south side of bridge	N
10			Location of former mill on 19th century map	SW
11	4		Post-excavation view of north side of bridge	S
12	4		Post-excavation view of north side of bridge	N

Film No.	008 (used in Leith Walk film 001 too)			
Frame	Area	Context No.	Subject	Taken from
20			Film ID shot	
21	4	019/020	South facing section of south side of bridge	S
22	4	007/025	Working shot	SW
23	1		Pre-excavation view of Area 1 (car park to the west)	S
24	1		Pre-excavation view of Area 1 (car park to the west)	S
25	1		Working shot	E
26	1		Working shot	S
27	1		Working shot showing undulating land	SE
28	1		Working shot; west facing section and boulders	W
29	1		Working shot	S
30	1		Post-excavation view of north side of Area 1	SE
31	1		Post-excavation view of north side of Area 1	SE
32	1		Post-excavation view of north side of Area 1	N

Film No.	009			
Frame	Area	Context No.	Subject	Taken from
1			Film ID shot	
2	3		Panoramic pre-excavation view of area to be stripped	S
3	3		Panoramic pre-excavation view of area to be stripped	W
4	3		Panoramic post-excavation view of stripped area	W
5	3		East facing section	E

Film No.	10 Gogarburn 26.4.10			
Frame	Area	Context No.	Subject	Taken from
1	-	-	Film ID shot	-
2	2	1009	Pre-excavation view of curvilinear feature	SW
3	2	1009	Pre-excavation view of curvilinear feature	W
4	2	1008	Pre-excavation view of possible pit	S
5	2	1008	Pre-excavation view of possible pit	E
6	2	10,101,021	Pre-excavation view of two linear cuts	NW
7	2	1021	Post-excavation view of slot through linear cut	E
8	2	10,211,023	North facing section of linear cut	N
9	2	10,211,023	South facing section of linear cut	S
10	2	1008	Post-excavation view of shallow pit	E
11	2	1007	Pre-excavation view of possible wall	SW
12	2	1007	Pre-excavation view of possible wall	NE
13	2	1007	West facing section of possible wall	W
14	2	10,281,029	Pre-excavation view of small pit	W
15	2	1028 - 1030	East facing section of small pit	E
16	2	1028 - 1030	East facing section of small pit	E
17	2	1028	Post-excavation view of small pit	E
18	2	1028	Post-excavation view of small pit	E
19	2	10,061,007	Post-excavation view of stone feature	SW
20	2	10,061,007	Post-excavation view of stone feature	NE
21	2	10,061,007	Detail of stone feature	SW

List of Colour Photographs

Film No.	001			
Frame	Area	Context No.	Subject	Taken from
1	3		ID photo	
2	3		Pre-excavation view	W
3	3		Working shot	S
4	3		Working shot	N
5	3	001/003	Working shot showing 001 and 003	NE
6	3		Working shot	W
7	3	021/022/023/024	Working shot; panoramic view	W
8	5	021/022/023	Working shot; ramp	S
9	5		Working shot; ramp	N

Film No.	005			
Frame	Area	Context No.	Subject	Taken from
1			ID photo	
2	6		Pre-excavation view of front of compound showing church	S
3	6		Pre-excavation view; front of compound showing bridge	SE
4	6		Working shot	SE
5	6	001/003	Working shot; Area 6	W
6	4		Working shot; Area 4 showing bridge	W
7	4	021/022/023/024	Working shot; Area 4 showing bridge	S
8	3/4	021/022/023	Panoramic view of Area 3, bridge foundations and square for "Japanese Knotweed"	S
9	4		View of south side of bridge	N
10			Location of former mill on 19th century map	SW
11	4		Post-excavation view of north side of bridge	S
12	4		Post-excavation view of north side of bridge	N

Film No.	008 (used in Leith Walk film 001 too)			
Frame	Area	Context No.	Subject	Taken from
20			ID shot	
21	4	019/020	South facing section of south side of bridge	S
22	4	007/025	Working shot	SW
23	1		Pre-excavation view of Area 1 (car park to the west)	S
24	1		Pre-excavation view of Area 1 (car park to the west)	S
25	1		Working shot	E
26	1		Working shot	S
27	1		Working shot showing undulating of land	SE
28	1		Working shot showing west facing section and boulders	W
29	1		Working shot	S
30	1		Post-excavation shot on north side of area 1	SE
31	1		Post-excavation shot on north side of area 1	SE
32	1		Post-excavation shot on south side of area 1	N

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