

# Wales and West Utilities Gas Main Replacement Programme 2012-2014 Exeter

Archaeological Watching Brief

for **Grontmij** on behalf of

## Wales and West Utilities Limited

CA Projects: 3663, 3676, 3677, 3708, 3819, 3821 and 4120 CA Report: 14280

January 2015

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## SUMMARY

Project Name:	Wales and West Utilities Gas Main Replacement Programme 2012-		
	2014		
Location:	Exeter		
NGR:	SX 9196 9259 (centre)		
Туре:	Watching Briefs		
Date:	January 2012 to March 2014		
Location of Archive:	To be deposited with Royal Albert Memorial Museum		
Accession Numbers, Site Codes and CA Project Numbers:			

- Cathedral Green I; RAMM: 12/38; EXE 12; 3663
- Bartholomew Street West: RAMM: 12/39; BJM12; 3676
- Bedford Street: RAMM: 12/40; BSE11; 3677
- Northernhay Street: RAMM: 12/41; NHS12; 3708
- Market Street: RAMM: 12/31; EXG12; 3819
- North Street: RAMM: 12/48; EGN12; 3821
- Cathedral Green II: RAMM: 14/38; CGE14; 4120

Archaeological watching briefs were undertaken by Cotswold Archaeology during groundworks associated with gas main replacement works located at Cathedral Green I, Bartholomew Street West, Bedford Street, Northernhay Street, North Street and Cathedral Green II (and in most cases works extended into neighbouring streets) within Exeter city centre.

Significant archaeological remains were revealed at all of the above sites, except Bedford Street. These remains comprised features, structures and deposits (primarily comprising structural and funerary activity) dating to the pre-Roman, Roman, post-Roman, medieval, late medieval and post-medieval periods.

## Cathedral Green I

Close to the postulated line of the legionary fortress defences, a low compacted clay bank was interpreted as the remains of the fortress rampart, built in the AD 50s. An adjacent wall parallel to the rampart was probably a later Roman civil construction. Three further walls of probable Roman date were identified in the vicinity along with three contemporary metalled surfaces and a number of silty clay deposits containing mid to late 2nd-century AD and

fragments of Roman tile. These deposits were interpreted as buried soils and/or occupation deposits.

Post-Roman 'dark earth' deposits were revealed in three trenches, with a possible Saxo-Norman metalled surface overlying the 'dark earth' in Palace Gate. Two possible pits cut the dark earth deposits and are probably of medieval date.

A number of the medieval wall foundations were identified and these probably corresponded to; the medieval eastern wing of the Bishops Palace, the western wall of the Hall of the Vicars Choral, part of medieval Broadgate (the north-western gateway into the Cathedral Precinct), and a number of other unidentified structures.

Fragments of human bone from 16 individuals were recovered from a burial deposit in Kalendarhay. Radiocarbon dating indicated the skeletal remains contained within this deposit dated to the 8th to 12th centuries AD, pre-dating the construction of the college of the Vicars Choral by Bishop Brantingham between 1383 and 1387. A further overlying burial deposit contained skeletal remains (of up to seven individuals) dating to the 10th to 12th centuries AD.

An early medieval soil was identified in Broadgate cut by an east/west orientated grave of probable medieval date.

Evidence for late medieval and post-medieval activity comprised a number of wall foundations to the south-west of the Bishops Palace. These features are probably associated with tenements known in this location in *c*. 1530.

Burial deposits were identified in Cathedral Yard, together with two *in situ* burials. Material from the latter was subject to radiocarbon dating and was found to date to the 15th to early 17th centuries. This activity was located to the north of the modern cemetery boundary indicating that the original churchyard was more extensive prior to the encroachment of properties along the northern boundary of Cathedral Close in the late 16th and 17th centuries.

## Bartholomew Street West

Roman and/or medieval activity at Bartholomew Street consisted of a north-west/south-east orientated wall foundation which probably represents the remaining courses of the Roman and/or medieval city wall.

#### Northernhay Street and Lower North Street

A late-medieval/early post-medieval wall foundation was identified at the junction of Northernhay Street and Lower North Street.

## Market Street and Mary Arches Street

Buried soil horizons of potentially pre-Roman date were identified, overlain by a buried soil containing a single sherd of mid to late 1st-century AD pottery. This was overlain by successive layers of compacted gravel metalling representing the make-up layers and/or surfaces of a probable Roman military street on a broad north-east/south-west alignment. A similar gravel metalled surface was revealed to the south-east and may represent part of the later Roman civil settlement.

Late medieval or post-medieval activity consisted primarily of the remains of wall foundations. A number of these probably related to tenements at the junction of Market Street with South Street.

## North Street and Paul Street

A large undated post pit was also identified. It is possible that this feature may be associated with Roman military activity, possibly an interval tower.

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## 1. INTRODUCTION

- 1.1 Between January 2012 and March 2014 Cotswold Archaeology (CA) carried out a series of archaeological watching briefs for Grontmij, on behalf of Wales and West Utilities Limited, on gas main replacement works at Cathedral Green I, Bartholomew Street, West, Bedford Street, Northernhay Street, North Street and Cathedral Green II (and in most cases works extended into neighbouring streets) within Exeter city centre.
- 1.2 The watching briefs were generally required due to their locations within the historic core of central Exeter, a large part of which has statutory designation as an Area of Archaeological Importance (AAI) under Section 35 of the Archaeological Monuments and Archaeological Areas Act 1979. A certificate and operations notice was submitted (in advance of the start of archaeological fieldwork) to Matthew Page, Planning Solicitor, Exeter City Council in each case.
- 1.3 Parts of Cathedral Green I and II were also located within an area (*Part of the Roman Town of Exeter, beneath Cathedral Green, Exeter, Devon* Ref. HA1002632) which has statutory protection as a Scheduled Monument under the Archaeological Monuments and Archaeological Areas Act 1979 and Scheduled Monument Consent was therefore required. Scheduled Monument was granted in letters (dated 21 December 2011, ref. S000024292 from Jessica Ware, Casework Assistant, English Heritage, for and on behalf of the Secretary of State for Culture, Media and Sport and 5 November 2013, ref. S00069867 from Keith Miller, Ancient Monuments Inspector for and on behalf of the Secretary of State for Culture, Media and Sport) for works pertaining to Cathedral Green I and II respectively.
- 1.4 Parts of Cathedral Green I and II were also located within areas owned by Exeter Cathedral (through the Dean and Chapter) and were governed by consent granted by the Cathedral Fabric Commission for England (CFCE) advised by the Fabric Advisory Committee of the cathedral itself on 24 October 2011.
- 1.5 All of the watching briefs were carried out in accordance with a Written Scheme of Investigation (WSI) produced by CA (2011) and approved by Andrew Pye, Archaeological Officer, Exeter City Council; Phil McMahon and Keith Miller, Inspectors of Ancient Monuments, English Heritage, and John Allan, Exeter

Cathedral Consultant Archaeologist, prior to the start of fieldwork. The fieldwork also followed the *Standard and guidance for an archaeological watching brief* (IfA 2009), the *Management of Archaeological Projects 2* (English Heritage 1991), the *Management of Research Projects in the Historic Environment (MORPHE): Project Manager's Guide* (EH 2006). Andrew Pye, Phil McMahon and John Allan monitored the archaeological works on numerous occasions on both a formal and informal basis.

#### The site

- 1.6 The areas subject to the watching briefs reported here, were located within Exeter city centre at; Cathedral Green I, Bartholomew Street, West, Bedford Street, Northernhay Street, North Street and Cathedral Green II (Figs 2-13). The works generally extended into neighbouring streets.
- 1.7 The underlying solid geology of the area is mapped as a combination of Crackington Formation mudstone and sandstone of the Carboniferous Period, Knowle Sandstone Formation basalt of the Permian Period and Whipton Formation sandstone of the Permian Period (BGS 2014).

#### Archaeological background

- 1.8 The gas main replacement works were undertaken within the historic core of Exeter city centre and as such they are located within the area of the Roman legionary fortress, later Roman civil activity, Saxon, medieval and post-medieval activity.
- 1.9 The legionary fortress (see Fig. 2 for extent) appears to have been occupied by the Second Augustan Legion from *c*. 55-60 AD to *c*. 75 AD (Holbrook and Bidwell 1991, 3-8) and is located on a spur overlooking the River Exe *c*. 6.5 miles above its tidal estuary (Bidwell 1980, 16). Archaeological investigations within the area of the legionary fortress have been fairly limited but the defences, barrack blocks and granaries have been investigated. Of particular significance was the investigation of the legionary bath-house and associated features to the west of the cathedral between 1971 and 1977 (Bidwell 1979). With the exception of the bath-house, the buildings were of timber construction and provided accommodation for 6-7,000 men.
- 1.10 The early Roman town (*Isca Dumnoniorum*) largely retained the defences of the legionary fortress (Bidwell 1980, 46) and the basilica and forum were investigated during the excavation of the bath-house. The defences of the early Roman town

remained in use to the late Antonine period when they were replaced by a much larger defensive circuit (occupying 37ha) (Bidwell 1980, 59 and Fig. 37). The Roman town wall was constructed (*c*. 180-200 AD) from volcanic trap, probably quarried from Rougement within the northern angle of the defences (Bidwell 1980, 63).

- 1.11 The majority of the buildings of the early town were constructed from timber, wattle and daub whilst the later Roman town contained large stone-built complexes of buildings. The town served as the commercial and administrative capital of the South West until the early 5th century AD but by the mid 5th century the Roman town was largely deserted (Stead, 2002, 2).
- 1.12 The later Roman defences were subsequently retained by the Saxon and medieval towns, King Alfred refounded the settlement as a fortified town or *burh* in the late 9th century AD, and the medieval street system was probably also set out at this time and largely survives to the present (ibid).
- 1.13 Within the historic core of Exeter, volcanic trap is generally used throughout the Roman and medieval periods, with Heavitree Breccia first appearing in small quantities in the Cathedral from the late 14th century and becoming prevalent from the late 15th century. By the post-medieval period Heavitree Breccia had become the predominant building material (Portman 1966).

## Archaeological objectives

- 1.14 The objectives of the archaeological works were to:
  - record the nature of the main stratigraphic units encountered
  - determine the presence, survival and potential of structural remains
  - characterise the nature and extent of previous investigations
  - investigate the presence, survival, condition and potential of artefactual and ecofactual remains and recover this material
  - record any evidence of past human activity or other land use

- seek to recover material which may be used for scientific dating of deposits, artefacts or ecofacts encountered
- sample and analyse environmental remains to create a better understanding of past land use
- disseminate the results of the work to the widest possible audience
- prepare an archaeological archive of the site including the treatment and preservation of any finds, and the detailed analysis and publication of results to an appropriate level

## Methodology

- 1.15 The fieldwork followed the methodology set out within the WSI (CA 2011). An archaeologist was present during intrusive groundworks which generally comprised investigation pits, insertion pits (for re-sleeving) and open cut trenching. For the sake of clarity, all investigations are referred to as *trenches*. In all cases the width and depths of the trenches were minimised as far as practicable and archaeological works generally comprised cleaning and recording archaeological deposits which had been truncated when the gas mains were originally constructed (and by other services). Limited hand excavation was then undertaken to attain the required formation level where necessary.
- 1.16 Where archaeological deposits were encountered written, graphic and photographic records were compiled in accordance with CA Technical Manual 1: *Fieldwork Recording Manual*.
- 1.17 The archive and artefacts from the watching briefs are currently held by CA at their offices in Kemble. Subject to the agreement of the legal landowner the archive and artefacts will be deposited with Royal Albert Memorial Museum (RAMM) under the accession numbers listed above, along with the site archives. A summary of information from these projects, set out within Appendix E, will be entered onto the OASIS online database of archaeological projects in Britain.

## 2. **RESULTS (FIGS 3 - 17)**

- 2.1 This section provides an overview of the archaeological results; detailed summaries of the recorded contexts, finds, disarticulated human remains and Radiocarbon dating are to be found in Appendices A, B, C and D respectively.
- 2.2 The archaeological watching brief was undertaken at seven sites in Exeter city centre at Cathedral Green I, Bartholomew Street West, Bedford Street, Northernhay Street, Market Street, North Street and Cathedral Green II (see Figs 2-13). For the purpose of clarity the results below are presented on a site by site basis. As only limited hand excavation of significant archaeological deposits was undertaken, little artefactual dating was recovered during the works. Much of the following dating and interpretation is based upon the on-site interpretation of construction materials (paragraph 1.13).

## 3. CATHEDRAL GREEN PHASE I (FIGS 2, 3, 4, 5 & 14-5)

3.1 A total of 46 trenches was excavated within Cathedral Green Phase I within Kalendarhay, Cathedral Yard, Broadgate, Palace Gate and the High Street. No archaeological features or deposits were recorded in Trenches 1a-3a, 1-4, 9, 10, 13, 15-28, 30, 31, 36, and 38-43, and Trench 7 was not excavated. The natural substrate was not exposed in any of the trenches. Significant archaeological deposits were identified in Trenches 5, 6, 8, 11, 12, 14, 29, 32-35, 37 and 44 and these are outlined below. Unstratified human skeletal material was identified within the fill of a service trench in Trench 15.

#### Trench 5; Palace Gate (Fig. 4)

#### Roman / probable Roman; AD 43 – AD 410

3.2 A surface, 504, recorded at the southern end of Trench 5, comprised firmly positioned sub rounded and sub angular cobbles and could represent a yard or road surface of possible Roman date. A layer of red brown sandy clay, 508, which contained some cobbles, fragments of slate and oyster shell was located immediately to the north of surface 504. The inclusion of fragments of slate would suggest that this surface had been subject to later disturbance. Further areas of cobbled surfaces, 505 (to the north) and 562 (to the south) may have been broadly contemporary with surface 504.

3.3 Two wall foundations, 507 and 566, of possible Roman date were also identified in Trench 5. North/south wall foundation 507 was recorded to the north of cobbled surface 505. This feature comprised one visible course of red sandstone blocks bound by a grey gritty mortar and possibly represented the corner of a structure. Within construction cut 565, probable wall footing 566 was revealed in section only and comprised volcanic trap rubble bonded with light yellow white lime mortar. It appeared to be orientated broadly east/west. No dating evidence was recovered from these features but their appearance and construction materials are suggestive of a Roman date.

#### Post-Roman and medieval; AD 410 - AD 1539

- 3.4 Wall footing 566 and cobbled surface 562 were cut by a robber trench 563 which probably removed the faced masonry of wall 566. The robber cut was backfilled with red brown clay 564, which was sealed by a heavily re-worked soil horizon 567, of probable post-Roman/early medieval date.
- 3.5 Similar probable post-Roman soil horizons, 567, 513, 531 and 578 (not illustrated (n.i.)), comprising very dark brown or black sandy clays, were recorded in the northern part of the trench and possibly formed a single horizontal layer prior to later truncation. Deposit 513 was cut by two possible pits, 514 and 516. The fills of these pits, 515 and 517 respectively, comprised mid brown silty clay from which no dateable material was recovered but the pits are most likely to be medieval in date. Pit 516 also cut deposit 521 which could either represent the fill of a heavily truncated earlier pit or form part of the post-Roman soil horizon (567, 513, 531 and/or 578)
- 3.6 Three probable medieval wall foundations, 526/527, 534 and 544 were identified in the northern part of the trench. All of these walls, which probably represent medieval boundaries and/or building foundations, were constructed of volcanic trap bonded with light yellow white lime mortar.

#### Post-medieval; AD 1540 - AD 1800

3.7 An undated stone-built wall foundation, 510, recorded towards the northern end of the trench, was overlain by a further cobbled surface, 509, which was similar in appearance to cobbled surface 504. However, a clay tobacco pipe stem recovered from the matrix around the cobbles which comprised this surface, suggesting it is of 17th to 19th-century date. A probable demolition layer, 506, was also identified to

the south of cobbled surface 504; it comprised burnt sandstone fragments and small fragments of mortar and slate and is probably of post-medieval date.

#### Modern; AD 1801 – present

3.8 The probable Roman, medieval and post-medieval features described above were either sealed by 19th-century demolition deposits 518, 519 and 555 or truncated by 19th-century robber cuts and/or pits including 522, 524, 528, 534, 553, 556, 568, 572 and 579. These robber cuts contained sequences of dumped silty clays containing 19th-century material, demolition rubble, and mortar. A modern brick floor 559, which was set on a bedding layer of sand 558, was also recorded. The backfilled robber cuts and/or pits, demolition layers and brick floor, were sealed by modern made ground 503 and 520. Artefactual material recovered from made ground 503 included modern refined whitewares, late stoneware, glazed earthenware and modern glass vessels of late 19th to 20th-century date. The made ground was covered by hard-core 502 for the extant tarmac road surface 501.

## Trench 6; Bishops Palace (Figs 4 & 14)

## Central part of Trench 6; Roman and/or probable Roman; AD 43 – AD 410

3.9 North-west/south-east aligned wall foundation 605, located in the central part of the trench, was constructed of volcanic trap rubble (Fig. 14, Section AA). To the west of the wall the remnants of a compact clay bank 604 were observed, measuring 2.1m in width and in excess of 0.17m thick. Both the bank and wall were sealed by a 0.24m thick, dark brown-black silty clay deposit 606 which contained ceramic building material (CBM) and mortar fragments and which was interpreted as a post-Roman dark earth horizon. No dateable artefacts were recovered from this feature which is dated based on its stratigraphic relationship to overlying deposit 606 combined with its appearance and construction materials which are suggestive of a Roman date. It was overlain by a medieval and/or post-medieval garden soil 607. A single sherd of mid 13th to mid 15th-century pottery was recovered from this deposit.

#### Eastern part of Trench 6; Medieval; AD 1066 – AD 1539

- 3.10
- On the northern side of the Bishops Palace, subsoil 667 was cut by pit 668 which was 0.6m in diameter, 0.12m in depth and contained a single undated fill 669. The fill of the pit was sealed by a silty clay deposit 670 interpreted as possible reworked subsoil, which was in turn sealed by undated demolition/construction deposit 672 and silty clay make-up deposit 673.

- 3.11 To the south-east of pit 668, garden soil deposit 674/676 was cut by the foundation trench 677, for north/south aligned wall foundation 678. Constructed of volcanic trap rubble, wall 678 measured 1.88m in width, in excess of 0.38m high, the upper portion of the wall having been robbed out; the fill 680 of the robber cut 679 contained volcanic trap fragments and mortar but no datable artefacts and was in turn sealed by modern deposits.
- 3.12 Along the eastern side of the Bishops Palace the garden soil deposits were cut by four robber trenches, 684, 688, 693 and 6003, which were aligned south-east/north-west (perpendicular to the extant structure). The robber trenches have been interpreted as indicating the position of robbed out walls of the former eastern wing of the Bishops Palace. The robber trenches measured between 0.52m and 0.8m in width, 0.3m to 0.5m in depth and contained silty clay fills which contained fragments of volcanic trap, slate, CBM and mortar fragments. All of the fills were sealed by modern deposits.

#### Post-medieval; AD 1540 - AD 1800

3.13 On the same alignment as, and cutting the northern edge of, robber trench 693, wall foundation 696 was visible only in section and constructed of red brick bonded with yellow lime mortar. Measuring 1.02m in width and 0.3m in height, wall 696 has been tentatively interpreted as a later rebuild of the service corridor following the demolition of the majority of the east wing of the Bishops Palace and is probably post-medieval in date. The upper part of wall foundation 696 had been robbed out, 697, and the fill of the robber trench was covered by the modern paving.

#### Western part of Trench 6; medieval to post-medieval; AD 1066 - AD 1800

3.14 The earliest phase of wall foundation construction (Fig 15, Section CC), wall foundations 609, 611, 635 and 641 were constructed from roughly squared volcanic trap blocks and rubble (wall 635 also contained a small proportion of slate), measured between 0.24m and 0.64m in width, survived to a height of up to 0.3m. Wall foundations 609 and 611 appeared to abut one another in section or more probably form part of the same wall, the apparent difference in height of their remaining masonry being due to differential robbing and/or truncation. Wall foundations 635 and 641 were robbed, robber trenches 636 and 642 respectively. The fills, 637 and 643, of both robber trenches contained fragments of CBM. The walls and robber trench fills were overlain by make-up deposits/garden soils 600,

601, 617, 644, and 664. These deposits were generally undated but 601 contained 15 fragments of architectural stone dating to the 13th to 15th centuries (paragraph 10.20). These were then truncated by the second phase of wall foundations, discussed below.

- 3.15 The second phase of wall foundation construction comprised walls 603, 615, 647, 659, and 663. These were built of roughly squared Heavitree Breccia and rubble bonded with yellow lime mortar. Measuring between 0.44m and 1m in width, the walls survived up to a depth of 0.52m bpgl. Walls 615, 647 and 659 were truncated by robber trenches 618, 648 and 660.
- 3.16 To the west of wall 647 an undated brick surface 652 was identified in section. Measuring 1.36m in width and constructed from a single layer of red brick, the central portion of the surface had been robbed out, the backfills of the robber cut extending up to the base of the modern metalling. The stratigraphic relationship between the brick surface and the adjacent wall 647 could not be ascertained due to modern truncation although the construction materials would suggest a postmedieval date for the surface. The lack of artefactual dating from Trench 6 makes a definitive date for the above structures difficult to ascertain.

## Trench 8; Deanery Place (Fig. 4)

3.17 The earliest deposit recorded in Trench 8 comprised re-deposited clay natural substrate 800, at 1.16m below present ground level (bpgl). This layer was covered by clay dump and/or make-up layers 801, 802 and 803 which were artefactually undated but may date to the medieval period. Deposit 803 and was overlain by a possible occupation deposit, 804, which was 0.14m thick and contained demolition debris including fragments of mortar and volcanic trap. The occupation layer was sealed by a heavily re-worked post-medieval soil horizon 805, which was in turn overlain by modern make-up 806. The spiked foot from an amphora of uncertain classification in a South Spanish fabric was recovered from modern layer 806.

## Trench 11; Deanery Place (Fig. 4)

3.18 Probable post-Roman soil horizon, 1100, was revealed at a depth of 0.76m bpgl in Trench 11. This layer, which comprised dark brown silty clay, was overlain by metalled surface 1101, comprising fragments of pebbles and volcanic trap, of possible Saxo-Norman date. The surface, which was approximately 0.03m-0.05m in thickness was overlain by a use and/or trample layer comprising red brown silty clay 1102. No dating evidence was recovered from either deposit 1101 or 1102. The latter was overlain by a make-up deposit, 1103, which contained construction debris including mortar and fragments of Salcombe sandstone and Portland limestone. Deposit 1103 was overlain by a thin layer of white lime mortar 1104, which is possibly suggestive of lime mortar working/construction. This deposit was overlain by probable medieval, post-medieval and/or modern made ground deposits 1105 and 1106. A fragment from the lower stone of a Roman rotary quern was recovered from the latter.

#### Trench 12; The Cloisters (Fig. 4)

3.19 Silty clay layer 1200 was covered by re-deposited clay natural substrate 1201 which was in turn overlain by silty clay 1202. This deposit was cut by probable wall foundation trench 1203 which contained two undated fills, 1204 and 1205. The earlier fill 1204, comprised brown red silty clay whilst the later fill, 1205, comprised fragments of Heavitree Breccia probably representing the remains of a wall foundation. This probable foundation was cut by a probable robber cut, 1206, which contained two fills, the earlier, 1207, comprising loose Heavitree sandstone rubble, whilst the later, 1208, comprised silty clay which contained demolition rubble including mortar, slate, ceramic building material (CBM) and rubble. A decorated ceramic floor tile of 13th to 14th-century date was retrieved from fill 1208 but this is probably residual within the fills of the (probably post-medieval) robber trench.

#### Trench 14; Kalenderhay (Fig. 3)

#### Roman or early medieval; AD 43 – AD 1066

- 3.20 North-west/south-east aligned wall foundation 1400, located towards the eastern end of the trench, was constructed of volcanic trap rubble bonded with yellow white mortar. No dateable evidence was recovered from this feature but it was overlain by burial deposit 1401.
- 3.21 Metalled surface 1407 was identified approximately 4.7m to the south-west of wall foundation 1400. This feature was overlain by demolition deposit 1408, which comprised brown silty clay with fragments of mortar and volcanic trap. Demolition deposit 1408 and redeposited clay 1411 were cut by a feature, 1409, which was 1.4m in length which may represent a grave. The fill of the possible grave, 1410, was overlain by a burial deposit 1406 which comprised dark brown grey silty clay and contained fragments of CBM, oyster shell, gravel and mortar. This deposit,

which is likely to be of medieval date, probably represents the same layer as deposits 1401, 1402 and 1422 (see below).

## Medieval; AD 410 – AD 1539

- 3.22 A total of 121 fragments of human bone, probably from 16 individuals, was recovered from burial deposit 1401/1402/1406/1422 which survived (although truncated in places) throughout Trench 14. The right femurs of three individual (two adults and one juvenile) were selected for Radiocarbon dating and this indicated that the deposit dated to 8th to 12th centuries (SUERC-40316, 40320, and 40322 722-1153 cal AD) (Appendix D). Residual Roman pottery, CBM and glass were recovered from this deposit along with one sherd of 17th to 18th-century pottery which is probably intrusive.
- 3.23 Burial deposit 1401/1402/1406/1422 was overlain by a further burial deposit, 1425 in the central part of the trench. A total of 128 bone fragments from seven individuals, was recovered from this deposit. Right femurs from two adults were selected for Radiocarbon dating and this indicated that the deposit dated to the dated to the 10th to 12th centuries (SUERC-40319 and 40321 894-1154 cal AD) (Appendix D). This deposit contained a large residual sherd of North Gaulish amphora.
- 3.24 A wall foundation, 1427, was identified at the western end of the trench. This comprised volcanic trap rubble bonded with lime mortar and measured over 1.12m in width and 0.2m in depth. Post-medieval and/or modern repairs were evident in the form of brick insertions. The wall foundation probably corresponded to the south-western wall of the Hall of the Vicars Choral.

#### Post-medieval; AD 1540 - AD 1800

3.25 Burial deposit 1425, was overlain by garden soil 1426 which contained late 18th to 19th-century CBM. A number of broadly contemporary robber trenches, 1404, 1412 and 1414, was also identified. The fill, 1405, of robber trench 1406 contained a clay tobacco pipe stem dating to the 17th to 19th centuries, along with residual Roman and medieval pottery and CBM.

#### Undated

3.26 An undated probable make-up deposit, 1417, comprising re-deposited clay natural substrate was recorded in the central part of the trench. Immediately to the west of

this layer, probable make-up deposit 1418 was cut by a possible pit 1419. No artefactual material was recovered from either of the two fills, 1420 and 1421.

#### Trench 29; Cathedral Yard (Fig. 3)

3.27 Burial deposit 2900/2903 was identified in Trench 29 at the required formation level. The partial remains of two east/west orientated probably articulated adult skeletons, SK2901 and SK2902, were observed within this deposit. The skeletal remains were preserved *in situ* during the subsequent replacement works but two samples of bone were recovered for radiocarbon dating. The left scapular was recovered from SK2901 and a late medieval/early post medieval date (SUERC-40317 1427-1618 cal AD) was obtained. A left rib was recovered from SK2902 and was found to be broadly contemporary (SUERC-40318 1446-1633 cal AD) (Appendix D). Artefactual material recovered from deposit 2900/2903 included residual Roman pottery and CBM along with post-medieval glazed earthenware and clay tobacco pipe stem fragments. The burial horizon was overlain by a sequence of modern levelling and structural deposits, 2904, 2905, 2906, 2907 and 2908.

#### Trench 32; Broadgate (Fig. 3)

3.28 A north-west/south-east aligned rubble wall foundation 3204, which measured in excess of 0.6m in depth and 0.7m in width, was identified. No dateable evidence was recovered from the wall, which was constructed of volcanic trap in lime mortar, but it may relate to medieval Broadgate (the north-western gateway into the Cathedral precinct) which is known to have been constructed in the late 13th century. The wall was overlain by modern deposits 3203, 3202, 3201 and 3200.

#### Trench 33; Broadgate (Fig. 3)

3.29 A probable late medieval or early post-medieval burial deposit, 3306, was identified at the required formation level (0.95m bpgl). No human skeletal material was recovered from the deposit which was 0.28m in thickness and of similar character to 2900/2903 in Trench 29. It was sealed by a sequence of late medieval or early postmedieval levelling deposits 3305, 3304 and 3303. Deposit 3303 was subsequently overlain by post-medieval and modern make-up deposits 3302, 3301 and 3300.

#### Trench 34; Broadgate (Fig. 3)

3.30 Two deposits 3401 and 3402, which comprised red brown silty clay and which probably represent medieval made ground, were identified at the required formation level. These deposits were cut by north-east/south-west aligned construction cut,

3403, for wall foundation, 3404. The construction cut measured 2.2m in width and 0.32m in depth, and the foundations were constructed of volcanic trap in lime mortar. This wall foundation may be associated with that recorded in Trench 32 and may have formed part of medieval Broadgate. Wall foundation 3404 had been truncated by robbing 3405 and the fill, 3406, of the robber trench was sealed by modern layer 3400. Post-medieval and modern pottery in a variety of wares was retrieved from 3400.

#### Trench 35; Broadgate (Fig. 3)

3.31 The earliest deposit recorded in Trench 35 was a layer of red silty clay, 3500, which most probably represents a post-Roman or early medieval soil (Fig.14, Section BB). This deposit was cut by east/west orientated possible medieval grave 3501 (identified at the formation level and not therefore substantially excavated) which contained fill 3502. This fill contained residual Roman CBM and was overlain by a series of probable medieval soil layers 3504, 3505, 3506, 3507 and 3512 from which no dating evidence was recovered. The latest soil layer, 3512, was cut by construction cut, 3508 for wall 3509, which also truncated grave fill 3502. The wall, which appeared to be orientated north-east/south-west, may have been associated with medieval Broadgate, although its construction materials; Heavitree sandstone bonded with clay, were dissimilar to this structure where it was recorded in Trenches 32 and 34. The upper part of wall 3509 had subsequently been robbed (robber trench 3510) and the fill, 3511, of the robber trench was covered by modern deposits.

#### Trench 37; Cathedral Yard (Fig. 3)

3.32 Probable burial deposit 3700/3701 (from which no human skeletal material was recovered) was identified at the formation level. The deposits were truncated by a modern service trench, 3702, which was overlain by modern layers 3703, 3704 and 3705.

#### Trench 44; High Street (Fig. 5)

3.33 A brown red silty clay layer, 4416, was overlain by dark brown black silty clay layer 4417, this deposit was in turn sealed by a layer of dark grey silty clay, 4418. No finds were retrieved from these deposits which totalled in excess of 1.2m in depth. It is probable that they represent Roman or medieval soil horizons as does a further deposit, 4411, which was also identified within the trench. The latest soil layer, 4418 was cut by 4419, an undetermined feature which contained no dateable material in

its single fill 4420. Fill 4420 and buried soil layers 4411 and 4418 were truncated by numerous modern intrusions including service trenches 4404, 4409, 4412 and 4414.

## 4. BARTHOLOMEW STREET WEST (FIGS 2 & 6)

4.1 Groundworks were observed at three locations along Bartholomew Street West. Significant archaeological deposits were identified in Trenches 1 and 3; no archaeological features were identified in Trench 2.

## Trench 1; Bartholomew Street West (Fig. 6)

4.2 The top of wall 1006 was identified in Trench 1 at approximately 0.55m bpgl and measured 0.6m in width, at least 0.2m in length and at least 0.19m in depth. It comprised at least one course of roughly hewn closely fitted Heavitree Breccia blocks bonded with a grey brown gritty mortar. In section it appeared to have been widened slightly and increased in height by the addition of un-frogged bricks of probable post-medieval date, however the narrow width of Trench 1 prevented further interpretation. It was sealed by undated silty clay made ground deposit 1005 which was in turn sealed by modern levelling layers for the existing tarmac.

#### Trench 3; Bartholomew Street West (Fig. 6)

4.3 Wall 315 was identified in the centre of Trench 3 at approximately 0.4m bpgl, was orientated broadly north-west/south-east and measured 1.8m in width, at least 6m in length and survived in places to at least 0.46m in height. It comprised roughly coursed volcanic trap rubble with occasional roughly cut blocks bonded with a lime mortar and probably represents the remaining courses of the Roman and/or medieval city wall. The wall was sealed by a reddish clay layer 329 which contained fragments of probable post-medieval brick and was in turn cut by modern services.

## 5. BEDFORD STREET (FIGS 2 & 7)

5.1 Groundworks were observed at six separate locations along Bedford Street (Trenches 1-6). No features or deposits of archaeological interest were observed and no artefactual material was recovered.

## 6. NORHTERNHAY STREET AND LOWER NORTH STREET (FIGS 2 & 8)

6.1 Groundworks were observed at 59 locations along Northernhay Street and Lower North Street. Significant archaeological features were identified in Trench 8; the remainder of the trenches did not contain any archaeological features.

## Trench 8; Northernhay Street (Fig. 8)

6.2 A stone wall foundation, 805, comprising at least three courses of roughly hewn stone was observed along the south-western extent of Trench 8 at a depth of approximately 0.6m bpgl. The wall measured at least 1.05m in length, at least 0.4m in width and survived to a height of at least 0.3m. A possible return of the wall foundation, 806, was identified in section along the southern part of the south-eastern extent of the trench. Both foundations, 805 and 806, were sealed by a loose mortar and stone rubble deposit 804 which was in turn cut by modern services. No artefactual material was recovered from these deposits

## 7. MARKET STREET AND MARY ARCHES STREET (FIGS 2, 9, 10 & 16)

7.1 Groundworks were observed at 31 locations along Market Street and Mary Arches Street. No features or deposits of archaeological interest were identified in Trenches 1, 3, 5, 10-12, 14, 16-18, 20, 23-24, 26 and 28-31.

#### Trench 2; Market Street (Fig. 10)

7.2 Buried topsoil, 207, was identified at approximately 1.1m bpgl and was sealed by silty clay deposit 206 which contained mortar, slate and CBM fragments. It was cut by the construction trench, 205, for wall foundation 204 the alignment of which was unclear due to later truncation. No artefactual material was recovered from these deposits.

#### Trench 4; Market Street (Fig. 10)

7.3 Natural substrate 404 was cut by possible pit, 405 (which was identified only in section). It contained a single dark brown silty clay fill 406 from which no artefactual material was recovered and which was cut by a modern service trench. No artefactual material was recovered from these deposits.

#### Trench 6; Market Street (Fig. 10)

7.4 The heavily truncated remains of three north-west/south-east orientated wall foundations, 604, 605 and 606, all were identified in section at the south-eastern extent of Trench 6. Wall foundation 604 was constructed of poorly coursed volcanic trap although the presence of some hand-made bricks suggested a possible late 17th to 18th-century date for its construction. Wall foundations 605 and 606, of which only the rubble cores survived, constructed entirely from volcanic trap. All three features were truncated by a modern service trench and although no artefactual material was recovered from Trench 6 probably relate to late medieval/post-medieval tenements at the junction between Market Street and South Street.

#### Trench 7; Market Street (Figs 9, 10 & 16)

- 7.5 The natural substrate, 702, was identified at approximately 1.3m bpgl (Fig. 16, Section DD). This was sealed by buried subsoil 703, buried topsoil 704 and a thin deposit of re-worked topsoil 705. A single sherd of mid to late 1st-century AD pottery was recovered from 705 which was sealed by three successive layers, 706, 707 and 708 of compacted gravel metalling revealed in section only possibly representing the surfaces of a Roman road. Although the south-eastern and north-western extent of each metalled layer was disturbed by modern services, they appeared to measure at least 2.05m in width.
- 7.6 The rubble core of wall foundation 712 was identified at the south-eastern extent of Trench 7. It was constructed from un-coursed volcanic trap and may have represented the corner of a late medieval and/or post-medieval building foundation (although it had been extensively robbed out at its north-western extent).

## Trench 8; Preston Street (Fig. 10)

7.7 The natural substrate, 805, was identified at approximately 1.1m bpgl. It was sealed by a compacted gravel surface 804, which measured approximately 0.1m in depth and although no artefactual material was recovered has been interpreted as being of possible Roman date. The upper surface of this was extensively disturbed by a modern service trench.

#### Trench 9; Market Street (Figs 9 & 10)

7.8 Four successive silty clay probable make-up deposits, 911, 910, 909 and 908 were identified at the centre of Trench 9. Deposit 909 was cut by the construction cut 904

for wall foundation 905. This consisted of roughly squared un-coursed volcanic trap and appeared to form the corner of a structure although it had been extensively truncated by a modern service trench. Although no artefactual material was recovered from these deposits, the constructional materials suggest a late medieval/post-medieval date for the wall foundation.

## Trench 13; Mary Arches Street (Fig. 9)

7.9 A silty clay deposit, 1307, was identified towards the base of Trench 13 at approximately 0.9m bpgl and was sealed by a similar silty clay deposit 1306. This was sealed by a thin layer of compacted gravel 1305, possibly representing a surface, and two further thin silty clay deposits 1304 and 1303. These deposits had been extensively truncated by modern service trenches and survived to a maximum width of 0.24m in section only. With the exception of a single piece of Roman pottery recovered from backfill deposit 1308 of a modern service trench, no artefactual material was recovered from these deposits.

#### Trench 19; Market Street (Figs 9 & 10)

7.10 Wall foundation 1903 was identified at the base of Trench 19 at approximately 0.85m bpgl. It comprised roughly squared un-coursed volcanic trap and was orientated north-west/south-east. It had been extensively truncated by a modern service trench and although no artefactual material was recovered from these deposits, the construction materials suggest a late medieval/post-medieval date for the wall foundation.

#### Trench 21; Mary Arches Street (Fig. 9)

7.11 Wall foundation 2103 was identified towards the north-western extent of Trench 21 on a north-east/south-west alignment and was constructed from roughly squared uncoursed volcanic trap and Heavitree Breccia. A brick wall foundation, 2104, lay approximately 0.9m to the south-east of 2103 on a parallel alignment. It consisted of at least six courses of brick of probable 19th-century date. Both 2103 and 2104 had been extensively truncated by modern service trenches and no artefactual material was recovered from these deposits.

#### Trench 22; Mary Arches Street (Fig. 9)

7.12 Wall foundation 2203, aligned north-west/south-east, was identified in the southwestern part of Trench 22. It consisted of un-worked, un-coursed volcanic trap bonded by a light grey lime mortar and had been extensively truncated on its eastern side by a modern service trench. No artefactual material was recovered from these deposits.

## Trench 25; Mary Arches Street (Fig. 9)

7.13 Wall foundation 2503 was identified, in section only, towards the south-eastern extent of Trench 25 on a probable north-east/south-west alignment. It consisted of at least four courses of roughly squared Heavitree Breccia but had been extensively disturbed by a modern service trench. No artefactual material was recovered from these deposits.

## Trench 27; Mary Arches Street (Fig. 9)

7.14 Probable buried topsoil, 2706, was identified in Trench 27 at approximately 0.3m bpgl. It was cut by the construction cut 2705, for wall foundation 2704 which was constructed from roughly squared poorly coursed Heavitree Breccia and which was heavily disturbed by a modern service trench. No artefactual material was recovered from these deposits.

## 8. NORTH STREET AND PAUL STREET (FIGS 2, 11, 12 & 17)

8.1 Groundworks were observed at 22 locations along North Street and Paul Street. No features or deposits of archaeological interest were identified in Trenches 2-22.

## Trench 1; Paul Street (Figs 11 & 17)

- 8.2 The natural substrate, 115 was identified at approximately 0.8m bpgl and was sealed by probable buried subsoil 114 which was cut by post pit 113 (Fig. 17, Section EE). This was identified in the north-western section of Trench 1 and measured 0.8m in diameter and 0.86m in depth. It contained a single fill 112, which consisted of re-deposited natural substrate and subsoil, packed around post pipe 111. The post pipe measured 0.4m in width and 0.45m in depth and contained a single silty clay fill 110 which was sealed by two silty clay deposits, 105 and 104, the latter of which was cut by a modern service trench.
- 8.3 The natural substrate was also truncated by construction cut 106 for brick wall footing 107 which lay on a north-west/south-east alignment. No artefactual material was recovered from these deposits but a post-medieval/modern date is probable.

#### 9.1 CATHEDRAL GREEN PHASE II (FIGS 2 & 13)

9.1 Groundworks were observed at 22 locations along Cathedral Yard, Catherine Street and Martins Lane. No features or deposits of archaeological interest were identified in Trenches 1-16 and 18-22. A small quantity of unstratified human skeletal material was recovered from the fill, 103, of a service trench.

#### Trench 17; Catherine Street (Fig. 13)

9.2 Cobbled surface 1706 was identified in the centre of Trench 17 at approximately 0.85m bpgl, its full extent not ascertained due to the limited size of the gas main trench. Consisting of small riverworn pebbles it may represent an internal surface. The cobbles were overlain by reddish brown silty clay 1705, 0.1m thick which may represent a use and/or abandonment deposit. No datable artefacts were recovered from these deposits.

## 10. THE FINDS EVIDENCE; ARTEFACTUAL MATERIAL

#### Cathedral Green Phase I

10.1 Finds recovered from the watching brief included pottery, ceramic building material, worked stone, glass, clay tobacco pipe and metal objects Appendix B. Codings for Roman fabrics for all sites correspond to those defined in the National Roman Fabric Reference Collection (Tomber and Dore 1998).

#### Pottery: Roman

- 10.2 The spiked foot from an amphora of uncertain classification in a South Spanish fabric was recovered from modern make-up 806.
- 10.3 Burial deposit 1425 produced a handle fragment from a South Gaulish flat-based amphora (GAL AM), which dates to the middle 1st to middle 3rd centuries.
- 10.4 A single rimsherd from a (Seager Smith and Davies) Type 8 or 9 jar with a 'pulled', bead rim in South-West Black-burnished ware (SOW BB1) was recovered from robber trench fill 1405. This ware type was produced in west Dorset and south Somerset, and is dateable to the 1st to mid-3rd centuries (Holbrook and Bidwell 1991, 90-94).

- 10.5 Burial deposit 2903 produced a bodysherd of South-East Dorset Black-burnished ware (DOR BB1). This type was manufactured near Poole in Dorset, and when found outside the county it typically dates to the second to fourth centuries (Davies *et al.* 107, 1994).
- 10.6 Pottery broadly dateable to the Roman period was represented by a bodysherd of fine greyware, which featured burnished lattice decoration, and a bodysherd in a buff-firing, cream-slipped flagon fabric, both recovered from burial deposit 1406.

## Medieval

- 10.7 Medieval and/or post-medieval garden soil 607 produced a bodysherd representing Fabric 40, which is found throughout Devon and dates to the 13th to 15th centuries (Allan 1984, 4). It featured decoration in the form of brushed horizontal line of slip.
- 10.8 Single bodysherds in a glazed, sandy jug fabric, which is probably local in origin, were recorded in made ground layer 512 and robber trench fill 1405.

## Post-medieval

- 10.9 A total of five bodysherds of North Devon gravel-tempered ware was recovered from three deposits. This glazed earthenware was manufactured in the Barnstable area of North Devon and, when found within Devon, dates to the mid 16th to late 18th centuries (Allan 1984, 129-131). A total of 25 sherds of glazed earthenware was recorded in six deposits, in addition to five sherds of unglazed earthenware from three deposits: all are 16th to 18th century in date.
- 10.10 Made ground layer 503 produced a single bodysherd of Tin-glazed earthenware, dating to the late 17th to 18th centuries.
- 10.11 Five bodysherds of Creamware, which dates to the mid and later 18th century, were recovered from in modern layer 3400.
- 10.12 Modern layer 3400 produced six sherds of Pearlware, five of which displayed transfer-printed decoration. This ware type is late 18th to mid 19th century in date.
- 10.13 A total of 12 sherds of refined whiteware were recovered from made ground layer
   503 and modern layer 3400, including a rimsherd from a chamber pot from surface
   3400. Ten of the sherds featured transfer-printed decoration, including rimsherds

from plates or dishes from both deposits. This type of pottery is dateable to the late 18th to 19th centuries.

- 10.14 A base sherd from a tankard in 'late' English stoneware, which dates from *c*. 1850 onwards, was recorded in made ground layer 503, and a bodysherd in modern layer 3400.
- 10.15 A single bodysherd of yellow industrial ware, dateable to the 19th to 20th centuries, was recorded in modern layer 3400.

## Ceramic building material

- 10.16 A total of 43 fragments of Roman ceramic building material was recovered from five deposits. Fragments identifiable as brick were recorded in grave fill 3502; tegula in robber trench fill 1405, burial deposits 1406 and 2903, and deposit 1502; imbrex in robber trench fill 1405, deposit 1501, burial deposit 2903 and grave fill 3502; and tile in robber trench fill 1405, burial deposits 1406 and 2903, and grave fill 3502. In addition, a single tessera made from tile was recovered from made ground layer 512.
- 10.17 A total of 29 fragments of ceramic building material of medieval date was recorded in made-up deposit 644, robber trench fill 1208 and as unstratified finds. The majority were decorated floor tiles. Several fragments from deposit 644 displayed knife-cut keying on the underside: motifs include flowers and birds. Those from fill 1208 are joining fragments from a tile decorated with a heraldic 'lion rampant'.
- 10.18 A fragment of moulded plaster/concrete-type material was recovered from burial deposit 1426. This is likely to have been part of the base plinth of a chest tomb of late 18th to 19th century date.

## Worked stone

- 10.19 A fragment from the lower stone of a Roman rotary quern was recovered from made ground deposit 1106.
- 10.20 Fifteen fragments of architectural stone, comprising mainly oolitic limestone, were recorded in garden soil 601. Included were: an attached shaft with a keeled end, from a rib vault or arch belonging to a door or window, of mid to late 12th century

date; a fragment of moulding from a pier or arch in Decorated Gothic style, which dates to the late 13th to middle 14th centuries; three fragments from an unattached shaft (one with hole to receive an iron pin to secure it to an adjoining segment) dating to the 13th to 14th centuries; two fragments from attached roll mouldings, which are also 13th to 14th century in date and were most likely part of an arch or vault; and a fragment from a faceted mullion dating to the late 14th to 15th centuries.

Glass

- 10.21 Burial deposit 1406 produced a very small and thin, yellowish-green fragment of glass. Its colour and other characteristics suggest a Roman date.
- 10.22 Two fragments of glass from vessels of modern/post-medieval date were recovered from made ground layer 503. These included a fragment from a moulded, cobalt blue coloured 'Milk of Magnesia' bottle. A large fragment from the base of a post-medieval wine/spirits bottle was recorded in modern layer 3400.

## Clay tobacco pipe

10.23 A total of five fragments of clay tobacco pipe stem were recorded in three deposits and as unstratified finds. These were in use from the late 16th to late 19th centuries.

#### Metal objects

10.24 Made ground 512 produced a corroded fragment from an iron bar.

#### Bartholomew Street West

10.25 Finds recovered from the watching brief comprised a single fragment of postmedieval brick, which measured  $4\frac{1}{4}$  wide x  $2\frac{1}{2}$ " thick.

## Northernhay Street and Lower North Street

10.26 Finds recovered from watching brief included pottery, clay tobacco pipe and mortar.

## Pottery: Post-medieval

10.27 A single bodysherd of North Devon gravel-free ware, which was produced in North Devon during the middle 17th to 18th centuries, was recorded in occupation layer 3103.

#### Clay tobacco pipe

10.28 Occupation layer 3103 produced three fragments of clay tobacco pipe stem, which are broadly dateable to the late 16th to late 19th centuries.

## Market Street and Mary Arches Street

10.29 Finds recovered from watching brief consisted solely of pottery.

## Pottery: Roman

- 10.30 A single rimsherd from a Drag. 18 platter in Southern Gaulish Samian (LGF SA) was recorded in reworked topsoil 705. It is dateable to the mid to late 1st century (Webster 1996, 35).
- 10.31 Service trench fill 1308 and made ground layer 1505 each produced a single sherd of South-West Black-burnished ware (SOW BB1), manufactured in west Dorset and south Somerset. That from fill 1308 was from a (Seager Smith and Davies) Type 1 everted rim jar, which is a 1st to 2nd century form (1993, 230-231).

## Cathedral Green Phase II

10.32 Finds recovered from watching brief included pottery and ceramic building material.

## Pottery: Roman

- 10.33 Deposit 2005 produced a full profile sherd from a Drag. 18/31R dish in Central Gaulish Samian (LEZ SA), which dates to the early to mid 2nd century (Webster 1996, 35).
- 10.34 A bodysherd of South-West Black-burnished ware (SOW BB1), of first to mid 3rd century date, was also recovered from deposit 2005.

## Ceramic building material

10.35 Four fragments of ceramic building material of Roman date were recorded in deposit2005. Two of these were identifiable as tile.

## 11. THE FINDS EVIDENCE; ANIMAL BONE

#### Northernhay Street and Lower North Street

11.1 A total of five fragments (17g) of animal bone were recovered from deposit 3103. The bone was well preserved but highly fragmented. It was possible to identify a single fragment of sheep/goat (*Ovis aries/Capra hircus*) radius, a common and expected in species in British assemblages.

## 12. THE FINDS EVIDENCE; DISARTICULATED HUMAN REMAINS

## **Cathedral Green Phase I**

- 12.1 Human remains were recovered from four contexts (Appendix C). These comprised 60 bone fragments from context 1401, 91 fragments from 1406, 128 bones from context 1425, and eleven fragments from context 1502. The bones were of varying degree of preservation, although overall well preserved. Virtually all fragments had been broken post-mortem. The nature of the osteological assemblage indicate that the material represent charnel from earlier burials truncated by later graves.
- 12.2 The human remains were made subject to full osteological analysis, following agreed standard methodological praxis (Brickley and McKinley 2004; Buikstra and Ubelaker 1994). The age groups employed were young child (2–5 years), older child (6–12 years), adolescent (13–17 years) and adult (≥ 18 years). The purpose of the analysis was to provide a brief assessment of the minimum number of individuals, a summary of other osteological findings and to enable a valid selection of elements for Radiocarbon dating.
- 12.3 The assemblage comprised bone fragments from both non-adults and adults, although the latter dominated the material. The minimum number of individuals was calculated from the most commonly occurring part of a skeletal element, taking aside and age group (young child, older child and adult) into consideration. Sex was not used as an additional factor, as very few bones with sex differentiating traits were present in the material. The minimum number of individuals of the total material was 25: One young child, two older children, two adolescents, 14 adults and two unknown. When calculated from each separate context, the minimum number of individuals in 1401 and 1406 were eight, seven in 1425, and two in 1502 (Table 1). The most common element identified was 19 femora from 16 individuals.

The breakdown of number of elements by identified bones for each context and the grand total is presented in Appendix C.

12.4 Some bones displayed pathological lesions. The endocranial surface of two occipital bones from adult individuals displayed patches of inactive porotic new bone around the internal protuberance. The aetiology of these types of lesions is multifactorial, but may include causes such as meningitis, neoplasms, subdural haematomas and scurvy (Lewis 2004). Active and inactive periostitis was observed on the lateral surfaces of the mid-diaphyses of four right tibiae. Periostitis of the tibiae is commonly identified pathology in archaeological skeletons, and may reflect a periosteal inflammation due to trauma, metabolic disease or non-specific infection. A fifth tibiae displayed an healed osteomyelitic infection of the distal portion of the bone, which had had originated from trauma – probably an oblique fracture. Even though the lesion was healed, it is clear that this infection would have been longstanding with serious consequences to the health and life experience of this individual. Another fracture was identified on a left fifth metatarsal, where a probable oblique fracture was observed on the proximal portion of the bone. The lesion healed, but had resulted in a secondary infection which was indicated by build-up of sclerotic new bone. The only other skeletal pathologies observed were enthesophytosis of a patella and a distal fibula. These are skeletal reflections of continuous stains on particular ligaments, and are an indication of activity patterns which in these cases would have involved the patellar and the tibiofibular ligaments.

#### Cathedral Green Phase II

- 12.5 Human remains were recovered from a single deposit 103, and comprised of 14 fragments or 330g. The bone was poorly preserved and virtually every fragment displayed evidence of modern breakage.
- 12.6 The remains comprised of fragments from fully mature adults originating from up to three femurs and a single tibia, giving a potential minimum number of four individuals. However, the bones display uniformity in size and development that point to their representing the remains of a single individual. No morphology relating to gender was present and no pathological traits were observed.

## 13. THE FINDS EVIDENCE; RADIOCARBON DATING

- 13.1 Radiocarbon dating was undertaken in order to confirm the dates of disarticulated human bone from burial horizons 1401 and 1425 and inhumations 2901 and 2902 (Appendix D). The samples were analysed during June 2012 at Scottish Universities Environmental Research Centre (SUERC), Rankine Avenue, Scottish Enterprise Technology Park, East Kilbride, Glasgow, G75 0QF, Scotland.
- 13.2 The uncalibrated dates are conventional radiocarbon ages. The radiocarbon ages were calibrated using the University of Oxford Radiocarbon Accelerator Unit calibration programme OxCal 4.2 (Bronk Ramsey 2009) using the IntCal13 curve (Reimer *et al.* 2013). The calibrated dates indicate that the material from burial horizons 1401 and 1425 dates to the early medieval period whilst that from inhumations 2901 and 2902 dates to the late medieval and/or post-medieval periods.

## 14 DISCUSSION

- 14.1 The watching brief identified archaeological remains within 37 trenches of a total of 210 observed. In many cases the trenches were excavated within existing service trenches and any archaeological remains would have been disturbed by the installation of the original gas main.
- 14.2 Where archaeological features and deposits were encountered, they were generally visible at the required formation level and/or in section and whilst the archaeological deposits were hand cleaned, very little hand excavation was required. Much of the interpretation is therefore based on the on-site description of construction materials (primarily the use of volcanic trap during the Roman and medieval periods with Heavitree Breccia first being used in the cathedral from the late 14th century with widespread usage from the late 15th century (Portman 1966).
- 14.3 For the purpose of clarity the following discussion is presented on a site by site, and where applicable a period by period basis.

## Cathedral Green Phase I

#### Roman

- 14.4 Evidence for Roman activity from Phase I of the works in the vicinity of Cathedral Green comprised metalled surfaces, walls, and a rampart. A compacted clay bank 606 was identified in Trench 6 (Fig. 4) and this appeared to represent the remains of the legionary fortress rampart, built in the AD 50's, based upon its location and orientation. A similar rampart, *c*. 6m in width and 0.9m in height was identified at Mermaid Yard in 1977-8 (Bidwell 1980, 23 and Fig. 9). An adjacent wall 605 ran parallel to the rampart, was constructed of volcanic trap rubble consistent with a Roman date and sealed by the same post-Roman dark soil 606. Unlikely to be part of the legionary fortress defences, the wall is probably a later civil construction.
- 14.5 Further walls in Trench 5, 507 and 566, and Trench 14, 1400, were of similar appearance and constructional materials to 605 and therefore suggestive of a Roman date. In both trenches the walls were closely associated with cobbled surfaces, 504 and 1407, of potentially similar date.

## Post-Roman

14.6 Evidence for immediate post-Roman activity consisted primarily of 'dark earth' in Trenches 5, 6 and 11. 'Dark earth' refers to poorly stratified archaeological deposits that occur between Roman levels and overlying medieval and post-medieval archaeology. These deposits have been most extensively investigated in London and to a lesser degree in other Roman towns such as Carlisle, Exeter, York and Gloucester. Writing in 2003, Richard Macphail stated 'chemical, physical, geophysical and soil micromorphological analyses within the last twenty years have established that 'dark earth' is formed pedologically from derelict Roman buildings, their debris, and the deposits derived from their most recent landuse' (Macphail 2003). In Trench 11 the 'dark earth deposits were overlain by a possible Saxo-Norman metalled surface, 1101; the metalled surface which was approximately 0.03m-0.05m in thickness was overlain by use layer 1102.

## Medieval

- 14.7
- In Trench 5 two possible pits, 514 and 516 cut the dark soils discussed above and are probably medieval in date. At the northern part of the trench, three probable medieval wall footings, 526/527, 533 and 544, were identified constructed of 'volcanic trap' bonded with light yellow white lime mortar.

- 14.8 Further probable medieval wall footings were revealed in Trenches 6, 14, 32, 34 and 35. In Trench 6, along the eastern side of the Bishops Palace four robber trenches 684, 688, 693 and 6003 cut through reworked garden soil deposits and have been interpreted as indicating the position of the medieval eastern wing of the Bishops Palace (Chanter 1932).
- 14.9 A total of 121 fragments of human bone from 16 individuals were recovered from a burial horizon 1401/1402/1406/1422 in Trench 14. Radiocarbon dating of the remains indicates this burial deposit was in use between the 8th to 12th-centuries (Appendix D), pre-dating the construction of the college of the vicars choral by Bishop Brantingham between 1383 and 1387 (Allan 2005). Residual Roman pottery, CBM and glass were recovered from this deposit along with intrusive 17th to18th-century pottery.
- 14.10 A total of 128 bone fragments from 7 individuals were recovered from a further burial soil, 1425, radiocarbon dated to the 10th to 12th-centuries (Appendix D). This deposit contained a large residual sherd of North Gaulish amphora.
- 14.11 Rubble foundation 1427 probably represented the remains of the south-western wall of the Hall of the Vicars Choral, the structure is known to date to the late 14th-century (Allan 2005).
- 14.12 The walls identified in Trenches 32, 24 and 35, may have formed part of the medieval gatehouse of Broadgate, the north-western gateway into the Cathedral precinct which was demolished in 1825 (Parker and Collings, 2006, 267).
- 14.13 An early medieval soil was identified in Trench 35 cut by east/west aligned grave 3501. Whilst Roman CBM was recovered from the grave fill, it is most likely this material is residual and that the grave dates to the medieval period. The grave fill was overlain by a series of probable medieval soil layers from which no dating evidence was recovered.

#### Late medieval and post-medieval

14.14 Evidence for late medieval and post-medieval comprised wall foundations in Trenches 6, burial horizons containing articulated and disarticulated human remains in Trenches 29, 33 and 37, and 17th to 18th century robbing of a medieval building in Trench 12.

- 14.15 Nine wall foundations were revealed in Trench 6 relating to three tenements known in this location in *c*. 1530 (John Allan *pers. comm.*) Two phases of structure were noted, the earliest phase representing a late medieval phase of construction, followed by either a late medieval or post-medieval rebuild.
- 14.16 A burial deposit 2900/2903 was identified in Trench 29 and contained the partial remains of two east/west aligned articulated skeletons SK2901 and SK 2902). These were located within the road outside of the modern cemetery boundaries. Radiocarbon dating of the bone suggests the remains date to the 15th to early 17th-centuries (Appendix D), suggesting that the original churchyard was more extensive prior to the encroachment of properties along the northern boundary of the close in the late 16th-17th centuries. The boundary of the Cathedral Close was formally established in 1286-8, although an informal enclosure may already have been in existence (Lega-Wekes 1915, 19-21). The northern extent was thought to lie 4-5m to the north than the present boundary (Parker and Collings 2006, 270) which is in keeping with the results of the archaeological watching brief.
- 14.17 A probable late medieval or early post-medieval burial horizon, 3306, was recorded in Trench 33 at a depth of 0.95m bpgl and two deposits, 3700 and 3701, in Trench 37 probably represent a single burial deposit also of late medieval or early post-medieval date.

#### Bartholomew Street West

#### Roman/medieval

14.18 Limited evidence for medieval activity was recorded at Bartholomew Street and consisted of a north-west/south-east orientated wall 315 in Trench 3. Constructed primarily of volcanic trap rubble with occasional rough cut blocks, it probably represents the remaining courses of the Roman and/or medieval city wall which is known to survive elsewhere in this area (Blaylock 1995). The wall foundation was sealed by a reddish clay layer containing post-medieval brick.

#### Post-medieval

14.19 Wall 1006 was revealed at the eastern end of Trench 1, was constructed of Heavitree Breccia and unfrogged post-medieval brick and followed a similar alignment to the modern street.

### Northernhay Street and Lower North Street

14.20 A late-medieval/early post-medieval wall footing was identified at the junction of Northernhay Street and Lower North Street in Trench 8. Wall 805 was orientated parallel to Lower North Street, constructed of roughly hewn stone blocks with a possible return of the wall, 806, visible in the north-west facing trench side.

## Market Street and Mary Arches Street

## Pre-Roman

14.21 Two deposits representing a buried land surface of potentially pre-Roman date were revealed in the base of Trench 7. Buried subsoil 703 overlay the natural substrate 702 and was overlain by buried topsoil 704. Deposit 704 was sealed by deposit 705, a probable buried soil containing a single sherd of mid to late 1st-century AD Roman pottery.

## Roman

- 14.22 Overlying buried soil 705, a series of three successive layers of compacted gravel metalling (706, 707 and 708) measured at least 2.05m in width and are likely to represent the surfaces of a Roman military street on a broad north-east/south-west alignment. This had previously been exposed during excavations undertaken immediately to the south-west by Exeter Archaeology between 2001 and 2002 (Stead 2002, 7 and Fig. 2). In this location the street comprised four compacted gravel surfaces and was at least 0.7m thick and 3.5m in width. The street had subsequently been truncated by pitting to the south-east and a later Roman building to the north-west. A similar gravel metalled surface, 805, was revealed in Trench 8 to the south-east and may be associated with later Roman activity; the remains of buildings associated with the early Roman town having previously been identified immediately to the north-west (Stead 2002, 7 and Figs 2-4).
- 14.23 A single sherd of Black-burnished ware Roman pottery of 1st to 4th-century date was recovered from silty clay deposit 1505 in Trench 15. One of a sequence of horizontal silty clay deposits, 1505 may represent possible Roman civil activity. Similar undated silty clay deposits were recorded in Trench 13 to the north.

### Late medieval/post-medieval

14.24 Evidence for late medieval or post-medieval activity in Market Street and Mary Arches Street consisted primarily of the remains of wall foundations. Dating is based upon the constructional materials and on site observation. Twelve walls constructed of both volcanic trap and/or Heavitree Breccia were recorded in Trenches 2, 6, 7, 9, 19, 21, 22, 25, and 27. The three wall foundations in Trench 6 (604, 605 and 606) probably relate to tenements at the junction of Market Street with South Street.

## Undated

14.25 A possible pit 405 was revealed in Trench 4, contained a single artefactually sterile fill and was cut by the modern service trench.

## North Street and Paul Street

14.26 An undated post-pit 113 was identified in Trench 1. Measuring 0.8m in diameter and 0.86m in depth, it contained a single fill of redeposited natural and subsoil around a central post-pipe. No datable artefacts were recovered; however its substantial size may indicate a Roman military use. The function of the post-pit is unknown; it is located within the footprint of the rampart and may have been associated with the base of an interval tower. However it should be noted that it lies between the projected locations of two interval towers (Andrew Pye pers. comm.).

## Cathedral Green Phase II

14.27 Cobbled surface 1706 was revealed in Trench 17. It was constructed of small riverworn pebbles, most probably functioned as an internal surface rather than an external surface which would have required a more robust construction and was sealed by silty clay deposit 1705. No datable artefacts were recovered from the trench. It is possible that this surface is of Roman date; similar surfaces, which were thought to be of this date have been identified to the south-east of the Royal Clarence Hotel (Young 2011, Appendix 3).

## 5. CA PROJECT TEAM

Fieldwork was undertaken by Mark Steinmetzer (Oakford Archaeology) on behalf of CA, and by CA staff Jamie Wright, Ray Holt, Charlotte Haines and Diarmuid O' Seaneachain. The report was written by Alex Thomson, Charlotte Haines, Tim Havard and Ray Holt with the assistance of Mark Steinmetzer. The finds report was written by Jacky Somerville, the disarticulated human bone report by Jonny Geber and Andy Clarke, and the animal bone report by Andy Clarke. The illustrations were prepared by Leo Heatley. The archive has been compiled by Alex Thomson, and

prepared for deposition by Hazel O'Neill. The project was managed for CA by Laurie Coleman.

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## APPENDIX A: CONTEXT DESCRIPTIONS

### Cathedral Green Phase I

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
1	101	layer		modern road surface	tarmacadam	0.9	0.88	0.11	
1	102	layer		make up	red gravels	0.9	0.88	0.08	
1	103	layer		back fill	brown sandy-silt	0.9	0.88	0.66	
1	104	layer		services	three pipes at base of trench	0.9	0.88	0.27	
2	201	layer		modern road surface	tarmacadam	1.05	0.41	0.09	
2	202	layer		make up	red gravels	1.05	0.41	0.17	
2	203	layer		back fill	brown sandy-silt	1.05	0.41	0.62	
2	204	layer		services	ceramic and metal piping	1.05	0.41	0.35	
3	301	layer		modern road surface	tarmacadam	0.92	0.39	0.11	
3	302	layer		make up	red gravels	0.92	0.39	0.32	
3	303	layer		back fill	reddish brown sandy-silt	0.92	0.39	0.28	
3	304	layer		services	unexcavated piping	0.92	0.39		1
4	401	layer		topsoil	dark brown silty-loam	1.05	0.65	0.1	
4	402	layer		made ground	reddish-brown sandy-loam	1.05	0.65	0.9	C18
5	501	layer		modern road surface	tarmacadam		0.37	0.08	
5	502	layer		bedding layer	hardcore bedding material		1	0.12	
5	503	layer		made ground	brown sand			0.6	LC19-
5	504	layer		surface	surface of rounded cobbles in red sand	5.5	0.25		
5	505	layer		surface	reddish-brown sandy-silt with grey cobbles				
5	506	layer		made ground	mixed red, black, white and brown materials	0.9	0.25	0.14	
5	507	structure		wall	wall of red sandstone blocks set in grey mortar	1.4	>0.2		
5	508	layer		surface	reddish-brown sandy-clay				
5	509	layer		made ground	reddish-brown gravels	>4	0.3		C17-C19
5	510	structure		wall					
5	511	layer		made ground	rich in lime mortar				
5	512	layer		made ground	butting to east of 510				C14-C15
5	513	layer		dark earth	dark brownish-black		0.3	0.16	
5	514	cut		pit	sharply sloping cut		1.36	0.16	
5	515	fill	514	fill of pit	brown silty-clay		1.36	0.16	
5	516	cut		pit	sharply sloping cut		3.85	0.22	
5	517	fill	516	2nd fill of pit	brown silty-clay		3.85	0.22	
5	518	layer		demolition material	brownish-red silty-clay		3.66	0.27	1
5	519	layer		demolition material	brownish-yellow silty-clay		2.96	0.16	1
5	520	layer		levelling material	brownish-red silty-clay		7.66	0.26	
5	521	fill	516	1st fill of pit	dark brown silty-clay		1.8	0.46	
5	522	cut		robber trench	gradually sloping cut		0.73	0.15	
5	523	fill	522	robber trench fill	light yellowish-white mortar		0.73	0.15	
5	524	cut		robber trench	gradually sloping cut		3.05	0.43	
5	525	fill	524	robber trench fill	light yellowish-white mortar		3.05	0.43	
5	526	structure		wall footing	wall footing of volcanic trap blocks in yellowish-white		0.65	>0.26	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
					mortar				
5	527	structure		wall footing	wall footing of volcanic trap blocks in yellowish-white mortar		2.4	>0.74	
5	528	cut		feature	gradually sloping cut		1.14	0.54	
5	529	fill	528	1st fill of feature	dark brownish-red silty-clay		1.02	0.27	
5	530	fill	528	2nd fill of feature	dark brownish-red silty-clay		1.14	0.36	
5	531	layer		dark earth	dark brownish-black			0.09	
5	532	cut		foundation trench	flat bottomed foundation cut		1.4	0.22	
5	533	structure		wall footing	wall footing of volcanic trap blocks in yellowish-white mortar		1.4	0.22	
5	534	cut		robber trench	flat bottomed robber trench		10.6	0.72	
5	535	fill	534	robber trench fill	dark brown silty-clay		10.6	0.72	
5	536	fill	534	robber trench fill	slate fragments			0.06	
5	537	fill	534	robber trench fill	reddish-brown silty-clay			1.18	
5	538	fill	534	robber trench fill	brown silty-clay			0.19	
5	539	fill	534	robber trench fill	light pinkish-white lime mortar			0.15	
5	540	fill	534	robber trench fill	brownish-red silty-clay			0.2	
5	541	fill	534	robber trench fill	dark brown silty-clay			0.43	
5	542	fill	534	robber trench fill	brownish-red silty-clay			0.57	
5	543	fill	534	robber trench fill	brown silty-clay			0.46	
5	544	structure		wall footing	wall footing of volcanic trap blocks in yellowish-white mortar			0.3	
5	545	fill		robber trench fill	dark brown silty-clay			0.38	
5	546	fill	534	robber trench fill	reddish-brown silty-clay			0.36	
5	547	layer		surface	surface of rounded cobbles in red sand				
5	553	cut		robber trench	flat bottomed robber trench				
5	554	fill	553	robber trench fill					
5	555	layer		demolition material					
5	556	cut		robber trench	flat bottomed robber trench				
5	557	fill	556	robber trench fill					
5	558	layer		bedding layer	sand bedding for brick floor				
5	559	layer		surface	brick floor surface				
5	560	fill	534	robber trench fill					
5	561	fill	534	robber trench fill					
5	562	layer		surface	cobbled surface				
5	563	cut		robber trench	flat bottomed robber trench		0.38		
5	564	fill	563	robber trench fill	reddish-brown clay		0.38		
5	565	cut		foundation trench	flat bottomed foundation cut		0.52		
5	566	structure		wall	wall footing of volcanic trap blocks in yellowish-white mortar		0.52		
5	567	layer		soil layer	greyish-brown silty-clay			0.46	
5	568	cut		robber trench	sharp sided robber trench with flat base		0.4	0.28	
5	569	fill	568	robber trench fill	brown silty-clay		0.36	0.14	
5	570	fill	568	robber trench fill	black silty-clay		0.06	0.16	
5	571	fill	568	robber trench fill	dark brown silty-clay		0.38	0.1	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
5	572	cut		robber trench	sharp sided robber trench with flat base		1.42	>0.5	
5	573	fill	572	robber trench fill	brown silty-clay		1.24	0.06	
5	574	fill	572	robber trench fill	brown silty-clay		1.32	0.06	
5	575	fill	572	robber trench fill	dark brownish-red silty-clay		1.16	0.16	
5	576	fill	572	robber trench fill	dark brown silty-clay		1.14	0.1	
5	577	layer		levelling material	brown silty-clay			0.17	
5	578	layer		dark earth	dark brownish-black silty-clay			>0.12	
5	579	cut		robber trench	sharp sided robber trench with flat base		1	0.48	
5	580	fill	579	robber trench fill	brown silty-clay		1	0.23	
5	581	fill	579	robber trench fill	dark brown silty-clay		1	0.12	
5	582	fill	579	robber trench fill	brownish-red silty-clay		1	0.2	
6	600	layer		garden soil	dark brownish-black silty-clay		1	0.22	
6	601	layer		garden soil	brown silty-clay			0.3	LC14-
6	602	cut		foundation trench	sharp/vertical sided foundation cut		0.44	>0.52	
6	603	structure		wall	stone and rubble wall		0.44	>0.52	
6	604	layer		bank material	red clay		2.1	0.17	
6	605	structure		wall	volcanic trap and rubble wall		0.18	>0.04	
6	606	layer		soil layer	dark brownish-black silty-clay			>0.24	
6	607	layer		soil layer	brown silty-clay			>0.27	MC13-
6	608	cut		foundation trench	vertically sided foundation cut		0.64	>0.3	
6	609	structure		wall	wall footing of volcanic trap blocks in yellowish-white mortar		0.64	>0.3	
6	610	cut		foundation trench	vertically sided foundation cut		1.04	>0.5	
6	611	structure		wall	wall footing of volcanic trap blocks in yellowish-white mortar		>0.5	>0.04	
6	613	fill	610	fill of foundation trench	reddish-brown silty-clay		0.26	0.2	
6	615	structure		wall	stone built wall with yellowish-white mortar		0.72	0.5	
6	616	layer		made ground	reddish-yellow silty-clay		0.16	>0.32	
6	617	layer		made ground	dark reddish-brown silty-clay		1	0.37	
6	618	cut	040	robber trench	sharp sided cut with irregular base		0.92	0.38	
6	619	fill	618	robber trench fill	brownish-yellow silty-clay		0.44	0.2	
6	620	fill	618	robber trench fill	dark brown silty-clay		0.92	0.28	
6	621	layer		made ground	dark brown silty-clay			>0.23	
6	622	cut		linear feature	sharp sided linear cut				
6	623	fill	622	fill of linear	slate fragments		0.12	>0.08	
6	624	fill	622	fill of linear	brownish-red silty-clay		>0.5	>0.06	
6	625	fill	622	fill of linear	white lime mortar		0.8	0.06	
6	626	fill	622	fill of linear	brownish-red silty-clay		0.9	0.16	
6	627	fill	622	fill of linear	brownish-red silty-clay		0.84	0.07	
6	628	fill	622	fill of linear	reddish-brown silty-clay		0.82	0.34	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
6	629	layer		made ground	mid-light brownish-yellow silty-clay			>0.06	
6	630	layer		made ground	brown silty-clay			0.26	
6	631	layer		made ground	dark brownish-red silty-clay			0.06	
6	632	layer		made ground	yellowish-brown silty-clay			0.06	
6	633	layer		made ground	mid-dark brownish-red silty- clay				
6	634	cut		foundation trench	vertical sided linear cut with flat base		0.4	0.16	
6	635	structure		wall	wall of roughly squared courses of slate and volcanic trap in yellowish-white lime mortar		0.36	0.18	
6	636	cut		robber trench	sharp sided linear cut with irregular base		0.4	0.22	
6	637	fill	636	robber trench fill	mid-dark brown silty-clay		0.4	0.22	
6	638	layer		made ground	orangey-brown silty-clay			0.14	
6	639	layer		made ground	mid-dark brown			0.07	
6	640	cut		foundation trench	sharp sided linear cut		0.26	0.14	
6	641	structure		wall					
6	642	cut		robber trench	sharp sided linear		0.3	0.22	
6	643	fill	642	robber trench fill	mid-dark brownish-red silty- clay		0.3	0.22	
6	644	layer		made ground	brown silty-clay			0.14	C17-C18
6	645	layer		soil layer	mid-dark brown silty-clay			>0.2	
6	646	cut		foundation trench	sharp sided linear		1		
6	647	structure		wall	rubble built heavitree wall		1		
6	648	cut		robber trench	sharp sided linear		0.54	0.5	
6	649	fill	648	robber trench fill	brownish-red silty-clay		0.54	0.5	
6	650	layer		levelling material	mid-dark brown silty-clay			0.14	
6	651	layer		bedding layer	red sand			0.04	
6	652	structure		surface	brick surface		1.36		
6	653	layer		made ground	black silty-clay			0.07	
6	654	layer		infilling	brown silty-clay			0.24	
6	655	layer		infilling	reddish-brown silty-clay			0.18	
6	656	layer		infilling	brown silty-clay			0.3	
6	657	layer		infilling	dark brownish-red silty-clay		1	0.06	
6	658	cut		foundation trench	sharp sided linear		0.58	>0.38	
6	659	structure		wall footing	roughly squared Heavitree Breccia and lime mortar wall		0.58	>0.38	
6	660	cut		robber trench	sharp sided linear cut with irregular base		0.62	>0.32	
6	661	fill	660	robber trench fill	dark brown silty-clay		0.62	>0.32	
6	662	cut		foundation trench	sharp sided linear cut with flat base		0.82	0.54	
6	663	structure		wall	roughly squared Heavitree Breccia wall		0.82	0.54	
6	664	layer		made ground	mid-dark brown silty-clay			0.4	
6	665	cut		modern truncation	gradual/sharp sided linear cut with flat base		1.78	0.53	
6	666	fill	665	fill of modern truncation	brick		1.78	0.53	
6	667	layer		subsoil	yellow sandy-clay			>0.24	
6	668	cut		pit	gentle sided cut with concave base		0.6	0.12	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness	Spot- date
6	669	fill	668	fill of pit	brownish-yellow silty-clay		0.6	(m) 0.12	<u> </u>
6	670	layer		remnant subsoil	brownish-red silty-clay		0.0	0.18	<u> </u>
6	671	layer		remnant subsoil	reddish-brown silty-clay			0.2	<u> </u>
6	672	layer		demolition material	brownish-red silty-clay			0.14	<u> </u>
6	673	layer		made ground	brownish-grey silty-clay			0.14	
6	674	layer		soil layer	mid-dark brown silty-clay			>0.58	
6	675	layer		demolition material	brownish-yellow silty-clay			0.29	-
6	676	,		soil layer	brownish-red silty-clay			0.23	
6	676	layer cut		foundation trench	sharp sided linear cut		1 00	>0.28	
-					•		1.88		-
6	678	structure		wall footing	rubble built volcanic trap and lime mortar footing		1.88	>0.38	
6	679	cut		robber trench	sharp sided linear cut with irregular base		1.88	0.2	
6	680	fill	679	robber trench fill	dark brown silty-clay		1.88	0.2	
6	681	layer		natural substrate	red clay			>0.48	
6	682	layer		subsoil	yellow sandy-clay			>0.2	
6	683	layer		natural substrate	brownish-red silty-clay			>0.48	
6	684	cut		robber trench	sharp sided linear cut		0.94	>0.48	
6	685	fill	684	robber trench fill	mid-dark brown silty-clay		0.94	>0.48	
6	686	layer		natural substrate	red clay			>0.48	
6	687	layer		soil layer	dark brownish-black silty-clay			>0.48	
6	688	cut		robber trench	sharp sided linear cut with flat base		0.8	0.5	
6	689	fill	688	robber trench fill	mid-dark brown silty-clay		0.8	0.5	
6	690	cut		feature	gradual sided cut		1.51	>0.5	1
6	691	fill	690	fill of feature	brownish-yellow silty-clay		0.7	0.15	
6	692	fill	690	fill of feature	mid-dark brown silty-clay		1.51	>0.5	
6	693	cut		robber trench	sharp sided linear cut with flat base		0.52	0.38	
6	694	fill	693	robber trench fill	mid-dark brown silty-clay		0.52	0.38	
6	695	cut		foundation trench	sharp sided linear with flat base		1.02	0.3	
6	696	structure		wall	brick built wall in lime mortar		1.02	0.3	1
6	697	cut		robber trench	sharp sided linear cut with irregular base		0.84	0.3	
6	698	fill	697	robber trench fill	mid-dark brown silty-clay		0.84	0.3	
6	699	layer		bedding layer	white lime mortar			0.04	
6	6000	layer		levelling material	dark brown silty-clay			0.14	
6	6001	cut		garden terrace	sharp sided linear cut with flat base			0.3	
6	6002	fill	6001	fill of terrace	mid-dark brownish-red silty-			0.3	
6	6003	cut		robber trench					
6	6004	fill	6003	robber trench fill					
8	800	layer		dumped deposit	light yellowish-brown clay				
8	801	layer		dumped deposit	brown silty-clay			0.05	
8	802	layer		dumped deposit	red clay			0.05	
8	803	layer		dumped deposit	light brownish-yellow silty- clay			0.28	
8	804	layer		occupation material	light yellowish-brown silty- clay			0.14	
8	805	layer		soil layer	mid-dark brown silty-clay			0.32	
8	806	layer		modern layers	modern layers				RB

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
9	900	layer		modern road surface	tarmacadam	>1	>1	0.1	
9	901	layer		bedding layer	stone sub-base	>1	>1	0.2	
9	902	cut		services	service trench	>1		0.7	
9	903	fill		services	pipe	>1			
9	904	fill		services	fill of service trench	>1		0.7	
9	905	cut		services	service trench	>1		0.7	
9	906	fill		services	pipe	>1			
9	907	fill		services	fill of service trench	>1		0.7	
9	908	cut		services	service trench	>1		0.7	
9	909	fill		services	pipe	>1			
9	910	fill		services	fill of service trench	>1		0.7	
10	1000	layer		concrete	modern concrete	>0.8	>0.8	0.2	
10	1001	layer		bedding layer	stone sub-base	>0.8	>0.8	>0.2	
11	1100	layer	<u> </u>	dark earth	mid-dark brown silty-clay	-		>0.26	
11	1101	layer		surface	pebble and trap metalled surface			0.04	
11	1102	layer		silting deposit	reddish-brown silty-clay			0.06	
11	1103	layer		construction deposit	brown silty-clay			0.1	
11	1104	layer		dumped deposit	white lime mortar			0.04	
11	1105	layer		made ground	reddish-brown silty-clay			0.32	
11	1106	layer		modern layers	modern layers				RB
12	1200	layer		dumped deposit	brownish-yellow silty-clay			>0.16	
12	1201	layer		dumped deposit	light-mid reddish-brown silty- clay			0.08	
12	1202	layer		dumped deposit	brownish-red silty-clay			0.58	
12	1203	cut		foundation trench/robbing	sharp sided linear cut		0.4	>0.74	
12	1204	fill	1203	fill of foundation/robbing	brownish-red silty-clay		0.3	0.62	
12	1205 1206	fill	1203	fill of foundation/robbing robber trench	stone fragments		0.4	0.38	
		cut	4000		sharp sided linear cut		1.44	>0.8	
12	1207	fill	1206	robber trench fill	stone fragments		1 4 4	0.7	C12 C14
12	1208	fill	1206	robber trench fill	brownish-red silty-clay		1.44	0.7	C13-C14
13	1300	layer		paving	modern paving slabs	>0.6	>0.5	0.1	
13 14	1301 1400	layer structure		bedding layer wall footing	sand sub-base volcanic trap rubble wall in	>0.6	>0.5 0.78	>0.15	
14	1401	layer		graveyard earth	lime mortar mid-dark grey silty-clay			>0.3	
14	1402	layer		graveyard earth	brownish-grey silty-clay			>0.06	
14	1403	layer		levelling material	yellowish-orange clay			0.3	
14	1404	cut		service trench	truncated service trench		0.9	>0.4	
14	1405	fill	1404	service fill	yellowish-orange clay		0.9	>0.4	C17-C19
14	1406	layer	. 10 1	graveyard earth	mid-dark brownish-grey silty- clay		0.0	0.3	C17-C18
14	1407	layer	ļ	surface	metalled surface	0.4			
14	1408	layer		demolition material	reddish-brown silty-clay			0.06	
14	1409	cut		grave	possible cut of grave	1.4			
14	1410	fill	1409	fill of grave	dark grey silty-clay	1.4			
14	1411	layer		dumped deposit	yellowish-orange clay				
14	1412	cut		service trench	sharp sided linear cut		0.3	>0.32	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
14	1413	fill	1412	service fill	yellowish-orange clay		0.3	>0.32	
14	1414	cut		service trench	sharp sided linear cut		0.5	>0.28	
14	1415	fill	1414	service fill	yellowish-orange clay		0.5	>0.28	
14	1416	layer		levelling material	yellowish-orange clay			0.1	
14	1417	layer		dumped deposit	brown silty-clay			>0.42	
14	1418	layer		dumped deposit	light-mid reddish-brown silty- clay		0.34	>0.4	
14	1419	cut		pit	sharp sided cut		1.04	>0.38	
14	1420	fill	1419	fill of pit	mid-dark brown silty-clay		1.04	>0.3	
14	1421	fill	1419	fill of pit	brownish-red silty-clay		0.96	0.16	
14	1422	layer		graveyard earth	dark brown silty-clay			>0.24	
14	1423	cut		foundation trench	sharp sided linear with flat base		1.32	0.42	
14	1424	fill	1423	foundation trench fill	reddish-brown silty-clay		1.32	0.42	
14	1425	layer		graveyard earth	reddish-brown silty-clay			>0.2	RB
14	1426	layer		graveyard earth	mid-dark brownish-grey silty- clay			0.46	LC18-
14	1427	structure		wall	volcanic trap and brick rubble wall in lime mortar		>1.1	>0.2	
15	1500	layer		surface	cobbled surface	>1	>0.6	0.1	
15	1501	layer		service soil	disturbed brownish-grey silty- clay	>1	>0.6	>0.9	RB
16	1600	layer		modern road surface	tarmacadam	>1.6	>0.6	0.08	
16	1601	layer		bedding layer	sub-base	>1.6	>0.6	0.07	
16	1602	layer		soil layer	disturbed dark brown silty- clay	>1.6	>0.6	>0.45	
17	1700	layer		modern road surface	tarmacadam	>5.4	>0.3	0.1	
17	1701	fill		service trench fill	brownish-red silty-clay	>5.4	>0.3	>0.3	
18	1800	layer		modern road surface	tarmacadam	>1.1	>0.5	0.1	
18	1801	fill		service trench fill	brownish-red silty-clay	>1.1	>0.5	>0.3	
19	1900	layer		modern road surface	tarmacadam	>1.2	>0.6	0.1	
19	1901	fill		service trench fill	brownish-red silty-clay	>1.2	>0.6	>0.3	
20	2000	layer		modern road surface	tarmacadam	>0.9	>0.7	0.1	
20	2001	fill		service trench fill	brownish-red silty-clay	>0.9	>0.7	>0.3	
21	2100	layer		modern road surface	tarmacadam	>1	>0.8	0.1	
21	2101	fill		service trench fill	brownish-red silty-clay	>1	>0.8	>0.2	
22	2200	layer		modern road surface	tarmacadam		1	0.05	
22	2201	fill		service trench fill	brownish-red silty-clay				
23	2300	layer		modern surface	concrete	>0.9	>0.5	0.15	
23	2301	fill		service trench fill	dark brown silty-clay-gravel	>0.9	>0.5	>0.15	
24	2400	layer		modern surface	concrete	>0.9	>0.5	0.15	
24	2401	fill		service trench fill	reddish-brown silty-clay- gravel	>0.9	>0.5	>0.15	
25	2500	layer		modern surface	concrete	>2	>0.4	0.18	
25	2501	layer		made ground	reddish-brown silty-clay	>2	>0.4	0.18	ļ
25	2502	layer		made ground	gravel	>2	>0.4	>0.24	ļ
26	2600	layer		modern surface	concrete	>0.6	>0.4	0.2	
26	2601	fill		service trench fill	reddish-brown silty-clay- gravel	>0.6	>0.4	>0.3	
27	2700	layer		modern surface	paving bricks	>1	>0.7		

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
27	2701	layer		bedding layer	sub-base	>1	>0.7		
27	2702	fill		service trench fill	mid-dark brown silty-clay	>1	>0.7		
28	2800	layer		modern surface	paving slabs	>1.3	>0.9	0.1	
28	2801	layer		modern surface	concrete	>1.3	>0.9	0.25	
28	2802	layer		bedding layer	sub-base	>1.3	>0.9	0.1	
28	2803	fill		service trench fill	mid-dark brown silty-clay	>1.3	>0.9	>0.45	
29	2900	layer		graveyard earth	brownish-red silty-clay	>2.8	>0.6		
29	2901	skeleton		inhumation	partially exposed juvenile e/w inhumation				
29	2902	skeleton		inhumation	partially exposed adult e/w inhumation				
29	2903	layer		graveyard earth	brownish-red silty-clay	>2.8	>0.6	0.65	C17-C18
29	2904	layer		bedding layer	sub-base	>2.8	>0.6		
29	2905	layer		modern surface	concrete	>2.8	>0.6		
29	2906	layer		modern surface	paving slabs	>2.8	>0.6		
29	2907	layer		modern surface	concrete	>2.8	>0.6		
29	2908	layer		modern surface	cobbled surface	>2.8	>0.6		
30	3000	layer		modern surface	paving slabs	>1.1	>1	0.1	
30	3001	layer		modern surface	concrete	>1.1	>1	0.1	
30	3002	layer		bedding layer	sub-base	>1.1	>1	0.1	
30	3003	fill		service trench fill	whitish-grey sand	>1.1	>1	>0.3	
31	3100	layer		modern surface	paving slabs	>0.9	>0.8	0.1	
31	3101	layer		modern surface	concrete	>0.9	>0.8	0.15	
31	3102	layer		bedding layer	sub-base	>0.9	>0.8	0.15	
31	3103	fill		service trench fill	reddish-brown silty-clay	>0.9	>0.8	>0.2	
32	3200	layer		modern surface	paving slabs	>1.3	>1.1	0.2	
32	3201	layer		modern surface	concrete	>1.3	>1.1	0.1	
32	3202	layer		bedding layer	sub-base	>1.3	>1.1	0.05	
32	3203	layer		modern surface	concrete	>1.3	>1.1	0.25	
32	3204	structure		wall footing	rubble wall of volcanic trap and lime mortar			>0.58	
33	3300	layer		modern surface	modern surface			0.3	
33	3301	layer		levelling material	brown silty-clay			0.25	
33	3302	layer		demolition material	crushed stone fragments			0.06	
33	3303	layer		made ground	brownish-red silty-clay			0.25	
33	3304	layer		made ground	dark brown silty-clay			0.04	
33	3305	layer		made ground	light-mid reddish-brown silty- clay			0.05	
33	3306	layer		graveyard earth	mid-dark brown silty-clay			>0.35	
34	3400	layer		modern surface	modern surface		>0.6	0.5	C19-C20
34	3401	layer		made ground	reddish-brown silty-clay		>0.6	>0.6	
34	3402	layer		made ground	brown silty-clay		>0.6	>0.6	
34	3403	cut		foundation trench	sharp sided linear cut		2.2	>0.32	
34	3404	structure		wall footing	volcanic trap rubble wall in lime mortar		2.2	>0.32	
34 34	3405 3406	cut	3405	robber trench robber trench fill	sharp sided linear with irregular base mid-dark brown silty-clay		2.2 2.2	0.2	
			5403			<u>\</u> 17			
35	3500	layer		soil layer	red silty-clay	>1.7	>0.8	>0.32	
35	3501	cut		grave	sharp sided linear			>0.24	
35	3502	fill		fill of grave	dark brown silty-clay			>0.24	RB

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
35	3503	layer		soil layer	brown silty-clay	>1.7	>0.8	0.12	
35	3504	layer		soil layer	brown silty-clay	>1.7	>0.8	0.08	
35	3505	layer		soil layer	brownish-yellow silty-clay	>1.7	>0.8	0.04	
35	3506	layer		soil layer	mid-dark brown silty-clay	>1.7	>0.8	0.05	
35	3507	layer		soil layer	yellowish-brown silty-clay	>1.7	>0.8	0.05	
35	3508	cut		foundation trench	sharp sided L-shaped cut with flat base			0.26	
35	3509	structure		wall footing	roughly squared Heavitree Breccia wall footing with clay bonding			0.26	
35	3510	cut		robber trench	sharp sided linear with irregular base			0.59	
35	3511	fill		robber trench fill	mid-dark brownish-red silty- clay			0.59	
35	3512	layer		soil layer	brown silty-clay			0.36	
36	3600	layer		modern surface	modern surface	>2.2	>0.3	0.3	
36	3601	layer		levelling material	brown silty-clay	>2.2	>0.3	>0.2	
37	3700	layer		graveyard earth	mid-dark brown silty-clay	>3.7	>1.1	>0.4	
37	3701	layer		graveyard earth	mid-dark brown silty-clay	>3.7	>1.1	>0.3	
37	3702	fill		service trench fill	service trench fill		1	>0.4	
37	3703	layer		bedding layer	sub-base	>3.7	>1.1	0.2	
37	3704	layer		modern surface	concrete	>3.7	>1.1	0.3	
37	3705	layer		modern surface	paving slabs	>3.7	>1.1	0.1	
38	3800	layer		modern surface	paving slabs	>1.3	>0.6	0.1	
38	3801	layer		bedding layer	concrete	>1.3	>0.6	0.2	
38	3802	layer		bedding layer	concrete	>1.3	>0.6	0.1	
38	3803	layer		bedding layer	concrete	>1.3	>0.6	0.1	
38	3804	layer		bedding layer	concrete	>1.3	>0.6	0.2	
38	3805	layer		service trench fill	dark reddish-brown silty-clay	>1.3	>0.6	>0.1	
39	3900	layer		modern surface	paving slabs	>1.7	>0.5	0.1	
39	3901	layer		bedding layer	concrete	>1.7	>0.5	0.2	
39	3902	layer		bedding layer	concrete	>1.7	>0.5	0.1	
39	3903	layer		bedding layer	concrete	>1.7	>0.5	0.2	
39	3904	layer		service trench fill	dark reddish-brown silty-clay	>1.7	>0.5	>0.1	
40	4000	layer		modern surface	paving slabs	>2.2	>0.6	0.1	
40	4001	layer		bedding layer	concrete	>2.2	>0.6	0.15	
40	4002	layer		bedding layer	concrete	>2.2	>0.6	0.25	
40	4003	layer		service trench fill	dark reddish-brown silty-clay	>2.2	>0.6	>.3	
41	4100	layer		modern surface	paving slabs	>1.2	>0.9	0.1	
41	4101	layer		bedding layer	concrete	>1.2	>0.9	0.1	
41	4102	layer		bedding layer	concrete	>1.2	>0.9	0.45	
41	4103	layer		bedding layer	concrete	>1.2	>0.9	0.1	
41	4104	layer		service trench fill	dark reddish-brown silty-clay	>1.2	>0.9	>0.25	
42	4200	layer		modern surface	paving slabs	>2.2	>0.3	0.1	
42	4201	layer		bedding layer	concrete	>2.2	>0.3	0.15	
42	4202	layer		bedding layer	concrete	>2.2	>0.3	0.25	
42	4203	layer		bedding layer	concrete	>2.2	>0.3	0.1	
42	4204	layer		service trench fill	dark reddish-brown silty-clay	>2.2	>0.3	>0.2	
43	4300	layer		modern surface	paving slabs	>4	>0.8	0.1	
43	4301	layer		bedding layer	concrete	>4	>0.8	0.15	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
43	4302	layer		bedding layer	concrete	>4	>0.8	0.25	
43	4303	layer		bedding layer	concrete	>4	>0.8	0.2	
43	4304	layer		service trench fill	dark reddish-brown silty-clay	>4	>0.8		
44	4400	layer		modern surface	paving slabs	>4	>1		
44	4401	layer		modern surface	kerbing	>4	>1		
44	4402	layer		modern surface	paving slabs	>4	>1		
44	4403	layer		bedding layer	concrete	>4	>1		
44	4404	layer		bedding layer	concrete	>4	>1		
44	4405	cut		service trench	sharp sided linear cut				
44	4406	fill	4405	service trench fill	dark reddish-brown silty-clay				
44	4407	cut		service trench	sharp sided linear cut				
44	4408	fill	4407	service trench fill	dark reddish-brown silty-clay				
44	4409	cut		service trench	sharp sided linear cut				
44	4410	fill	4409	service trench fill	dark reddish-brown silty-clay				
44	4411	layer		made ground	dark brownish-black silty-clay		1.47	0.8	
44	4412	cut		service trench	sharp sided linear cut				
44	4413	fill	4412	service trench fill	dark reddish-brown silty-clay				
44	4414	cut		service trench	sharp sided linear cut				
44	4415	fill	4414	service trench fill	dark reddish-brown silty-clay				
44	4416	layer		made ground	brownish-red silty-clay		1.14	0.1	
44	4417	layer		made ground	dark brownish-black silty-clay		0.67	0.64	
44	4418	layer		made ground	dark grey silty-clay		0.95	0.47	
44	4419	cut		service trench	gradual sided linear cut		1.01	0.64	
44	4420	fill	4419	service trench fill	brownish-red silty-clay		1.01	0.64	

### **Bartholomew Street**

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
1	1000	layer		modern road surface	tarmacadam		>0.3	0.08	
1	1001	layer		bedding layer	brownish-pink gravelly-silty- sand		>0.3	0.37	
1	1002	layer		levelling material	dark brownish-pink silty-clay		>0.3	>0.3	
1	1003	layer		modern road surface	tarmacadam		>0.3	0.2	
1	1004	layer		bedding layer	brownish-pink gravelly-silty- sand		>0.3	0.3	
1	1005	layer		made ground	dark orangey-pink silty-clay		>0.3	>0.25	
1	1006	structure		wall	squared sandstone block wall in greyish-brown gritty mortar	>0.2	0.6	>0.19	P-Med
2	200	layer		modern road surface	tarmacadam			0.1	
2	201	layer		bedding layer	sub-base			0.1	
2	202	layer		service trench fill	reddish-brown silty-clay			0.4	
2	203	layer		construction deposit	light yellowish-brown silty- clay			>0.25	
2	204	layer		made ground	brownish-red silty-clay			0.6	
2	205	layer		demolition deposit	reddish-brown silty-clay			>0.25	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness	Spot- date
3	300	layer		modern road surface	tarmacadam			(m) 0.1	
3	301	layer		bedding layer	grevish-black gravel hardcore			0.07	
3	302	layer		made ground	compacted brick, tarmac and pinkish-brown sandy-silty- clay			0.22	
3	303	layer		made ground	greyish-brown silty-clay	2.1		0.35	
3	304	layer		soil layer	dark greyish-brown silty-clay	>2.1		0.26	
3	305	layer		soil layer	brown silty-clay	>2.1		>0.1	
3	306	layer		made ground	compacted brick, tarmac and pinkish-brown sandy-silty- clay			0.35	
3	307	layer		made ground	greyish-brown silty-clay			0.29	
3	308	layer		soil layer	dark greyish-brown silty-clay			0.3	
3	309	layer		demolition deposit	pinkish-red sandy-clay			>0.01	
3	310	cut		service trench	modern pipe service		0.7	0.45	
3	311	fill	310	service trench fill	sandy fill of pipe trench		0.55	0.37	
3	312	layer		bedding layer	grey, blue and blackish-grey hardcore		0.19	0.62	
3	313	fill	341	service trench fill	greyish-brown silty-clay			0.5	
3	314	layer structure		soil layer wall	reddish-brown sandy-gravel- clay rough rubble stone wall in		>1.1	0.54 >0.5	
3	315	Siluciule		wall	lime mortar		>1.1	>0.5	
3	316	cut		service trench	modern service trench		>0.3	0.88	
3	317	fill	316	service trench fill	pink sand		>0.3	0.88	
3	318	cut		service trench	modern service trench		1.5	0.6	
3	319	fill	318	service trench fill	grey gravel		1.5	0.6	
3	320	cut		service trench	modern service trench	>3		>0.1	
3	321	fill	320	service trench fill	yellow sand	>3		>0.1	
3	322	cut		service trench	modern service trench		0.4	0.6	
3	323	fill	322	service trench fill	concrete		0.4	0.6	
3	324	cut		service trench	modern service trench		0.3	0.1	
3	325	fill	324	service trench fill			0.3	0.1	
3	326	cut		service trench	modern service trench		0.6	0.4	
3	327	fill	326	service trench fill			0.6	0.4	
3	328	layer		made ground	pinkish-red sandy-clay	>5.3	>0.5	0.72	
3	329	layer		made ground	pinkish-red sandy-clay	>0.7	>0.5	0.51	
3	330	cut		service trench	modern service trench		1		
3	331	fill	330	service trench fill					
3	332	cut		service trench	modern service trench		0.82	0.72	
3	333	fill	332	service trench fill	concrete		0.82	0.72	
3	334	layer		made ground	greyish-brown silty-clay	1	1		
3	335	layer		made ground	greyish-brown silty-clay		1		
3	336	layer		made ground	greyish-brown silty-clay		1		
3	337	layer		bedding layer	grey, blue and blackish-grey hardcore				
3	338	layer		bedding layer	grey, blue and blackish-grey hardcore				
3	339	layer		bedding layer	grey, blue and blackish-grey hardcore				
3	340	layer		bedding layer	grey, blue and blackish-grey hardcore				
3	341	cut		service trench	modern service trench				

# Northernhay Street and Lower North Street

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
1	100	layer		modern road surface	tarmacadam	>1.5	>1.1	0.1	
1	101	layer		bedding layer	grey gravel	>1.5	>1.1	0.06	
1	102	cut		modern service	modern pipe trench			0.3	
1	103	fill	102	modern service fill	yellow sand			0.15	
1	104	fill	102	modern service fill	blue-grey gravel			0.15	
1	105	layer		made ground	reddish-brown sandy-silty-clay	>1.5	>1.1	>0.7	
1	106	cut		modern service	modern pipe trench		>0.7	1.2	
1	107	fill	106	modern service fill	reddish-brown sandy-silty-clay		>0.7	1.2	
2	200	layer		modern road surface	tarmacadam	>2.9	>1	0.1	
2	201	layer		bedding layer	grey gravel	>2.9	>1	0.14	
2	202	layer		made ground	reddish-brown sandy-silty-clay	>2.9	>1	0.8	
2	203	layer		made ground	dark greyish-brown sandy-silt	>2.9	>1	>0.2	
2	204	cut		modern service	modern pipe trench		>0.7	1.2	
2	205	fill	204	modern service fill	reddish-brown sandy-silty-clay		>0.7	1.2	
3	300	layer		modern road surface	tarmacadam	>1.1	>1.0	0.1	
3	301	layer		bedding layer	grey gravel	>1.1	>1.0	0.15	
3	302	layer		made ground	reddish-brown sandy-silty-clay	>1.1	>1.0	>0.68	
3	303	cut		modern service	modern pipe trench			0.92	
3	304	fill	303	modern service fill	reddish-brown sandy-silty-clay			0.92	
4	400	layer		modern road surface	tarmacadam	>1.1	>0.9	0.08	
4	401	layer		bedding layer	crushed stone and brick hardcore	>1.1	>0.9	0.12	
4	402	layer		made ground	reddish-brown silty-clay	>1.1	>0.9	0.14	
4	403	layer		surface	loose bricks	>1.1	>0.9	0.16	
4	404	layer		made ground	reddish-brown sandy-clay	>1.1	>0.9	>0.62	
4	405	cut		modern service	modern pipe trench			1.12	
4	406	fill	405	modern service fill	reddish-brown sandy-silty-clay			1.12	
5	500	layer		modern road surface	tarmacadam	>2.1	>1.1	0.08	
5	501	layer		bedding layer	gravel hardcore	>2.1	>1.1	0.08	
5	502	layer		made ground	reddish-brown sandy-silty-clay	>2.1	>1.1	0.12	
5	503	layer		surface	loose bricks	>2.1	>1.1	0.12	
5	504	layer		made ground	reddish-brown sandy-silty-clay	>2.1	>1.1	>0.6	
5	505	cut		modern service	modern pipe trench			1	
5	506	fill	505	modern service fill	reddish-brown sandy-silty-clay			1	
6	600	layer		modern road surface	tarmacadam	>2.25	>0.9	0.12	
6	601	layer		bedding layer	gravel hardcore	>2.25	>0.9	0.1	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
6	602	layer		made ground	reddish-brown sandy-silty-clay	>2.25	>0.9	>0.68	
6	604	structure		wall	barrel-shaped brick manhole		0.65	>0.35	
6	605	cut		modern service	drain wall modern pipe trench		+	0.9	
6	606	fill	605	modern service	greyish-brown sandy-silty-clay			0.9	
7	700	layer		fill modern road	tarmacadam	>3.9	>0.9	0.1	
7	701	layer		surface bedding layer	gravel hardcore	>3.9	>0.9	0.15	
7	702	layer		made ground	reddish-brown sandy-clay	>3.9	>0.9	>0.65	
7	703	cut		modern service	modern pipe trench			0.9	
7	703	fill	703	modern service	reddish-brown sandy-silty-clay		<u> </u>	0.9	
			100	fill					
8	800	layer		modern road surface	tarmacadam	>2.85	>1.0	0.1	
8	801	layer		bedding layer	gravel hardcore	>2.85	>1.0	0.08	
8	802	fill	807	modern service fill	reddish-brown sandy-silty-clay	>2.85	>1.0	0.44	
8	803	fill	807	modern service fill	dark greyish-brown silty-clay	>2.85	>1.0	0.43	
8	804	layer		demolition deposit	reddish-brown sandy-clay and rubbles	>2.85	>1.0	>0.2	
8	805	structure		wall	mortar bonded cut stone wall	>1.05	>0.4	>0.35	
8	806	structure		wall	mortar bonded cut stone wall	>0.8		>0.3	
8	807	cut		modern service	modern linear pipe trench		>1.0	0.94	
9	900	layer		modern road surface	tarmacadam	>1.3	>1.6	0.1	
9	901	layer		bedding layer	crushed stone hardcore	>1.3	>1.6	0.3	
9	902	layer		made ground	reddish-brown sandy-clay	>1.3	>1.6	>0.6	
9	903	cut		modern service	modern pipe trench		0.3	>0.55	
9	904	fill	903	modern service fill	reddish-brown sandy-silty-clay		0.3	>0.55	
10	1000	layer		modern road surface	tarmacadam	>4.1	>1.0	0.15	
10	1001	layer		bedding layer	crushed stone hardcore	>4.1	>1.0	0.1	
10	1002	layer		made ground	modern backfills	>4.1	>1.0	>0.8	
10	1003	cut		modern service	modern pipe trench			1.05	
10	1004	structure		drainage structure	mortared sandstone block built drain	0.96	>0.7	>0.25	
10	1005	structure		piping	ceramic pipe		0.2		
11	1100	layer		modern road surface	tarmacadam	>1.4	>1.1	0.14	
11	1101	layer		bedding layer	crushed stone hardcore	>1.4	>1.1	0.18	
11	1102	layer		made ground	reddish-brown sandy-silty-clay	>1.4	>1.1	>0.78	
12	1200	layer		modern road surface	cobbled surface	>1.25	>0.5	0.1	
12	1201	layer		bedding layer	pink concrete	>1.25	>0.5	0.1	
12	1202	layer		made ground	reddish-brown sandy-silty-clay	>1.25	>0.5	>0.1	
13	1300	layer		modern road surface	cobbled surface	>1.3	>0.8	0.1	
13	1301	layer		bedding layer	pink concrete	>1.3	>0.8	0.1	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
13	1302	layer		made ground	reddish-brown sandy-silty-clay	>1.3	>0.8	>0.1	
14	1400	layer		modern road surface	cobbled surface	>1.3	>1	0.1	
14	1401	layer		bedding layer	pink concrete	>1.3	>1	0.1	
14	1402	layer		made ground	reddish-brown sandy-silty-clay	>1.3	>1	>0.2	
15	1500	layer		modern road surface	cobbled surface	>1.5	>1.3	0.1	
15	1501	layer		bedding layer	pink concrete	>1.5	>1.3	0.1	
15	1502	layer		made ground	reddish-brown sandy-silty-clay	>1.5	>1.3	>0.4	
16	1600	layer		modern road surface	cobbled surface	>1.6	>0.8	0.1	
16	1601	layer		bedding layer	pink concrete	>1.6	>0.8	0.1	
16	1602	layer		made ground	reddish-brown sandy-silty-clay	>1.6	>0.8	>0.1	
17	1700	layer		modern road surface	tarmacadam	>3.3	>1.2	0.2	
17	1701	layer		modern service fill	pink sandy-clay-gravel	>3.3	>1.2	1.05	
18	1800	layer		modern road surface	tarmacadam	>1.35	>0.9	0.1	
18	1801	layer		bedding layer	greyish-black gravel	>1.35	>0.9	0.1	
18	1802	layer		modern service fill	reddish-brown sandy-silty-clay	>1.35	>0.9	>0.75	
19	1900	layer		modern road surface	tarmacadam	>1.55	>1.4	0.1	
19	1901	layer		bedding layer	greyish-black gravel	>1.55	>1.4	0.13	
19	1902	layer		modern service fill	reddish-brown sandy-clay	>1.55	>1.4	>0.72	
20	2000	layer		modern road surface	tarmacadam	>1.25	>1.2	0.1	
20	2001	layer		bedding layer	greyish-black gravel	>1.25	>1.2	0.1	
20	2002	layer		modern service fill	reddish-brown sandy-clay	>1.25	>1.2	0.83	
21	2100	layer		modern road surface	tarmacadam	>1.4	>1.3	0.1	
21	2101	layer		bedding layer	greyish-black gravel	>1.4	>1.3	0.1	
21	2102	layer		modern service fill	reddish-brown sandy-clay	>1.4	>1.3	>0.7	
22	2200	layer		modern road surface	tarmacadam	>1.3	>1.2	0.1	
22	2201	layer		bedding layer	greyish-black gravel	>1.3	>1.2	0.1	
22	2203	cut		modern service	modern pipe trench		0.35	0.6	
22	2204	fill	2203	modern service fill	light brown clay and gravel		0.35	0.6	
22	2205	layer		natural substrate	pinkish-red clay	>1.3	>1.2	>0.7	
23	2300	layer		modern road surface	tarmacadam	>1.25	>1.2	0.1	
23	2301	layer		bedding layer	greyish-black gravel hardcore	>1.25	>1.2	0.1	
23	2302	layer		made ground	pink sandy-gravel	>1.25	>1.2	0.15	
23	2303	cut		modern service	modern pipe trench		>0.6	0.55	
23	2304	fill	2303	modern service fill	grey sandy-gravel		0.3	0.55	
23	2305	fill	2303	modern service fill	redeposited natural		>0.6	0.8	
23	2306	cut		modern service				1	
23	2307	layer		natural substrate	pinkish-red clay	>1.25	>1.2		

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
24	2400	layer		modern road surface	tarmacadam	>1.2	>1	0.1	
24	2401	layer		bedding layer	greyish-black gravel hardcore	>1.2	>1	0.1	
24	2402	cut		modern service	modern pipe trench			>0.75	
24	2403	fill	2402	modern service fill	pinkish-grey gravel			>0.75	
24	2404	layer		natural substrate	pinkish-red clay	>1.2	>1		
25	2500	layer		modern road surface	tarmacadam	>2.4	>2.6	0.1	
25	2501	layer		bedding layer	greyish-black gravel hardcore	>2.4	>2.6	0.1	
25	2502	layer		service backfill	grey sandy-gravel	>2.4	>2.6	1	
26	2600	layer		modern road surface	tarmacadam	>0.75	>0.7	0.1	
26	2601	layer		bedding layer/made ground	greyish-black gravel hardcore	>0.75	>0.7	0.3	
27	2700	layer		modern road surface	tarmacadam	>5.5	>0.3	0.12	
27	2701	layer		modern surface	concrete	>5.5	>0.3	0.06	
27	2702	layer		made ground	brick and stone rubble	>5.5	>0.3	0.19	
27	2703	layer		made ground	brown silty-clay-rubble	>5.5	>0.3	>0.2	
27	2704	cut		modern service	modern drainage cut		0.5	0.35	
27	2705	fill	2704	modern service fill	rubble		0.5	0.35	
27	2706	structure		drainage structure	stone and brick storm drain		0.6	>0.15	
27	2707	fill		modern service fill	yellow sandy-gravel		0.6	0.08	
27	2708	fill		modern service fill	reddish-brown sandy-clay		0.6	>0.53	
28	2800	layer		modern road surface	tarmacadam	>1.6	>1.2	0.2	
28	2801	fill		modern service fill	reddish-brown sandy-clay	>1.6	>1.2	>0.5	
29	2900	layer		modern road surface	tarmacadam	>1.4	>1.1	0.2	
29	2901	layer		modern service fill	reddish-brown sandy-clay	>1.4	>1.1	>0.5	
30	3000	layer		modern road surface	tarmacadam	>1.2	>1.1	0.2	
30	3001	fill		modern service fill	concrete and orange sand	>1.2	>1.1	0.15	
30	3002	fill		modern service fill	tarmac and cobbles	>1.2	>1.1	0.1	
30	3003	fill		modern service fill	orangey-brown sandy-clay	>1.2	>1.1	>0.5	
31	3100	layer		modern road surface	tarmacadam	>1.2	>1.1	0.05	
31	3101	layer		bedding layer	sub-base	>1.2	>1.1	0.09	
31	3102	layer		surface	compacted sub-angular stone in a reddish-brown clay matrix	>1.2	>1.1	0.07	
31	3103	layer		occupation deposit	greyish-brown silty-clay	>1.2	>1.1	0.12	C17-C18
31	3104	layer		occupation deposit	light orangey-brown silty-clay	>1.2	>1.1	0.15	P-Med?
31	3105	layer		natural substrate	red clay	>1.2	>1.1	>0.48	
31	3106	cut		modern service	modern drainage cut	>1.2	>1.1		
31	3107	fill		modern service fill	orangey-brown sandy-clay	>1.2	>1.1		
32	3200	layer		modern road surface	tarmacadam	>1.3	>1.3	0.2	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
32	3201	layer		modern service fill	orangey-brown sandy-clay	>1.3	>1.3	>0.65	
33	3300	layer		modern road surface	tarmacadam	>1.1	>1.0	0.1	
33	3301	layer		modern service fill	mixed blue gravel and reddish- brown sandy-clay	>1.1	>1.0	>0.8	
34	3400	layer		modern surface	paving slabs	>0.7	>0.6	0.05	
34	3401	layer		bedding layer	orange sand and concrete	>0.7	>0.6	0.1	
34	3402	layer		modern service fill	brown silty-clay	>0.7	>0.6	>0.55	
35	3500	layer		modern surface	paving slabs	>0.7	>0.6	0.05	
35	3501	layer		bedding layer	orange sand and concrete	>0.7	>0.6	0.1	
35	3502	layer		modern service fill	reddish-brown silty-clay	>0.7	>0.6	>0.55	
36	3600	layer		modern surface	paving slabs	>1.2	>0.6	0.05	
36	3601	layer		bedding layer	orange sand and concrete	>1.2	>0.6	0.1	
36	3602	layer		modern service fill	reddish-brown silty-clay	>1.2	>0.6	>0.45	
37	3700	layer		modern surface	paving slabs	>2.7	>0.7	0.05	
37	3701	layer		modern service fill	reddish-brown silty-clay	>2.7	>0.7	>0.45	
38	3800	layer		modern surface	paving slabs	>1	>0.9	0.05	
38	3801	layer		modern service fill	reddish-brown silty-clay	>1	>0.9	>0.55	
39	3900	layer		modern surface	concrete	>0.8	>0.8	0.2	
39	3901	layer		modern service fill	reddish-brown silty-clay	>0.8	>0.8	>0.65	
40	4000	layer		modern surface	concrete	>1.1	>0.9	0.25	
40	4001	layer		modern service fill	dark brownish-black silty-clay	>1.1	>0.9	>0.75	
41	4100	layer		modern surface	tarmacadam	>2	>1.1	0.1	
41	4101	layer		modern surface	concrete	>2	>1.1	0.2	
41	4102	layer		bedding layer	crushed tarmac	>2	>1.1	0.1	
41	4103	layer		made ground	reddish-brown silty-clay	>2	>1.1	0.2	
41	4104	layer		natural substrate	pinkish-red clay	>2	>1.1	>0.5	
42	4200	layer		modern surface	tarmacadam	>1.4	>0.9	0.2	
42	4201	layer		bedding layer	sub-base	>1.4	>0.9	0.2	
42	4202	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>1.4	>0.9	>0.5	
43	4300	layer		modern surface	tarmacadam	>1	>1	0.2	
43	4301	layer		bedding layer	sub-base	>1	>1	0.2	
43	4302	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>1	>1	>0.8	
44	4400	layer		modern surface	tarmacadam	>1.2	>0.9	0.1	
44	4401	layer		bedding layer	sub-base	>1.2	>0.9	0.2	
44	4402	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>1.2	>0.9	>0.9	
46	4600	layer		modern surface	tarmacadam	>1.4	>0.9	0.1	
46	4601	layer		bedding layer	concrete	>1.4	>0.9	0.15	
46	4602	layer		made ground	reddish-brown silty-clay with modern inclusions	>1.4	>0.9	>0.95	
46	4603	layer		natural substrate	pinkish-red clay	>1.4	>0.9	>0.95	
47	4700	layer		modern surface	tarmacadam	>1	>0.7	0.1	
47	4701	layer		bedding layer	sub-base	>1	>0.7	0.1	
47	4702	layer		modern service fill	brown silty-clay with modern inclusions	>1	>0.7	>0.3	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
48	4800	layer		modern surface	tarmacadam	>1.3	>1	0.1	
48	4801	layer		bedding layer	concrete	>1.3	>1	0.2	
48	4802	layer		made ground	reddish-brown silty-clay with modern inclusions	>1.3	>1	>1.2	
48	4803	layer		natural substrate	pinkish-red clay	>1.3	>1	>1.1	
49	4900	layer		modern surface	tarmacadam	>1.6	>1.1	0.1	
49	4901	layer		bedding layer	concrete	>1.6	>1.1	0.15	
49	4902	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>1.6	>1.1	>0.95	
49	4903	layer		natural substrate	pinkish-red clay	>1.6	>1.1	>0.6	
50	5000	layer		modern surface	tarmacadam	>1.6	>1.1	0.1	
50	5001	layer		bedding layer	sub-base	>1.6	>1.1	0.2	
50	5002	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>1.6	>1.1	>0.9	
50	5002	layer		natural substrate	pinkish-red clay	>1.6	>1.1	>0.8	
51	5100	layer		modern surface	tarmacadam	>1.2	>1	0.05	
51	5101	layer		bedding layer	sub-base	>1.2	>1	0.1	
51	5102	layer		modern surface	concrete	>1.2	>1	0.15	
51	5103	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>1.2	>1	>0.6	
51	5104	layer		natural substrate	pinkish-red clay	>1.2	>1	>0.6	
52	5200	layer		modern surface	tarmacadam	>1.3	>1	0.1	
52	5201	layer		bedding layer	sub-base	>1.3	>1	0.18	
52	5202	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>1.3	>1	0.52	
52	5203	layer		natural substrate	pinkish-red clay	>1.3	>1	>0.2	
53	5300	layer		modern surface	tarmacadam	>3.3	>2.8	0.1	
53	5301	layer		bedding layer	sub-base	>3.3	>2.8	0.2	
53	5302	layer		made ground	red silty-clay	>3.3	>2.8	0.07	
53	5303	layer		made ground	brownish-red silty-clay-gravel	>3.3	>2.8	0.07	
53	5304	layer		made ground	yellow silty-sand-gravel	>3.3	>2.8	0.18	
53	5305	layer		natural substrate	red clay	>3.3	>2.8	>0.48	
54	5400	layer		modern surface	tarmacadam	>1.4	>1.2	0.1	
54	5401	layer		bedding layer	sub-base	>1.4	>1.2	0.2	
54	5402	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>1.4	>1.2	>0.9	
54	5403	layer		natural substrate	red clay	>1.4	>1.2	>0.9	
55	5500	layer		modern surface	tarmacadam	>2.1	>0.7	0.1	
55	5501	layer		bedding layer	sub-base	>2.1	>0.7	0.1	
55	5502	layer		modern surface	concrete	>2.1	>0.7	0.2	
55	5503	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>2.1	>0.7	>0.5	
56	5600	layer		modern surface	tarmacadam	>1.6	>1.5	0.1	
56	5601	layer		bedding layer	sub-base	>1.6	>1.5	0.2	
56	5602	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>1.6	>1.5	>0.5	
56	5603	layer		natural substrate	red clay	>1.6	>1.5	>0.5	
57	5700	layer		modern surface	tarmacadam	>1.4	>1.2	0.1	
57	5701	layer		bedding layer	sub-base	>1.4	>1.2	0.1	
57	5702	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>1.4	>1.2	>0.7	
57	5703	layer		natural substrate	red clay	>1.4	>1.2	>0.7	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
58	5800	layer		modern surface	tarmacadam			0.1	
58	5801	layer		bedding layer	sub-base			0.1	
58	5802	layer		modern surface	concrete				
58	5803	layer		modern service fill	reddish-brown silty-clay with modern inclusions				
59	5900	layer		modern surface	tarmacadam	>1.3	>1	0.1	
59	5901	layer		bedding layer	sub-base	>1.3	>1	0.2	
59	5902	layer		natural substrate	red clay	>1.3	>1	>0.7	
59	5903	layer		modern service fill	reddish-brown silty-clay with modern inclusions	>1.3	>1	>0.7	

## **Bedford Street**

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick	Spot- date
INO.	NO.			Interpretation			(11)	ness (m)	uale
1	100	layer		modern surface	paving slabs	>1	>0.7	0.1	
1	101	layer		bedding deposit	concrete sub-base	>1	>0.7	0.2	
1	102	layer		service trench fill	reddish-brown silty-clay	>1	>0.7	>0.8	
2	200	layer		modern surface	paving slabs	>1.6	>1.1	0.1	
2	201	layer		bedding deposit	concrete sub-base	>1.6	>1.1	0.1	
2	202	layer		service trench fill	reddish-brown silty-clay	>1.6	>1.1	>0.8	
3	300	layer		modern surface	paving slabs	>2.4	>1.8	0.1	
3	301	layer		bedding deposit	concrete sub-base	>2.4	>1.8	0.1	
3	302	layer		service trench fill	reddish-brown silty-clay	>2.4	>1.8	>0.8	
4	400	layer		modern surface	paving slabs	>1	>0.7	0.1	
4	401	layer		bedding deposit	concrete sub-base	>1	>0.7	0.1	
4	402	layer		service trench fill	reddish-brown silty-clay	>1	>0.7	>0.8	
5	500	layer		modern surface	paving slabs	>1	>0.6	0.1	
5	501	layer		bedding deposit	concrete sub-base	>1	>0.6	0.1	
5	502	layer		service trench fill	reddish-brown silty-clay	>1	>0.6	>0.6	
6	600	layer		modern surface	paving slabs	>2.5	>1.4	0.1	
6	601	layer		bedding deposit	concrete sub-base	>2.5	>1.4	0.1	
6	602	layer		service trench fill	reddish-brown silty-clay	>2.5	>1.4	>1	

## Market Street and Mary Arches Street

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
1	100	layer		modern surface	tarmacadam	>1.6	>1.1	0.1	
1	101	layer		bedding layer	sub-base	>1.6	>1.1	0.1	
1	102	layer		made ground	crushed tarmac, brick and mortar	>1.6	>1.1	0.2	
1	103	layer		made ground	brick and mortar	>1.6	>1.1	0.35	
1	104	layer		service trench fill	reddish-brown silty-clay	>1.6	>1.1	>0.15	
2	200	layer		modern surface	tarmacadam	>1.1	>1	0.1	
2	201	layer		bedding layer	sub-base	>1.1	>1	0.15	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
2	202	layer		made ground	crushed stone, brick and mortar	>1.1	>1	0.35	
2	203	layer		service trench fill	orange sand	>1.1	>1	>0.5	
2	204	structure		wall foundation	roughly squared trap and Heavitree Breccia wall		>0.6	>0.2	
2	205	cut		foundation trench	sharp sided linear		>0.6	>0.24	
2	206	layer		demolition deposit	red silty-clay	>1.1	>1	0.26	
2	207	layer		soil layer	mid-dark brown silty-clay	>1.1	>1	>0.24	
3	300	layer		modern surface	concrete slab	>4.1	>0.9	0.06	
3	301	layer		bedding layer	concrete	>4.1	>0.9	0.07	
3	302	layer		service trench fill	orange sand	>4.1	>0.9	0.32	
3	303	layer		made ground	brownish-grey silty-clay	>4.1	>0.9	>0.55	
4	400	layer		modern surface	tarmacadam	>5.3	>1	0.1	
4	401	layer		bedding layer	sub-base	>5.3	>1	0.1	
4	401	layer		made ground	greyish-brown silty-sand-gravel	>5.3	>1	0.1	
4	402	layer		service trench fill	reddish-brown silty-clay	>5.3	>1	0.25	
4	404	layer		natural substrate	red clay	>5.3	>1	>0.45	
4	404	cut		pit	sharp sided feature	20.0	>1.4	>0.43	
4	406	fill		fill of pit	dark brownish-black silty-clay		>1.4	>0.4	
5	500	layer		modern surface	kerbing	>1.6	>1	0.2	
5	501	layer		bedding layer	concrete	>1.6	>1	0.15	
5	502	layer		service trench fill	reddish-brown silty-clay	>1.6	>1	>0.45	
6	600	layer		modern surface	tarmacadam	>6	>0.9	0.1	
6	601	layer		bedding layer	sub-base	>6	>0.9	0.08	
6	602	layer		made ground	stone, brick, mortar and gravel pieces	>6	>0.9	0.48	
6	603	layer		service trench fill	orange sand	>6	>0.9	>0.64	
6	604	structure		wall foundation	wall footing of roughly squared trap and brick in lime mortar		1	>0.77	
6	605	structure		wall foundation	trap rubble and mortar wall footing		1	>0.78	
6	606	structure		wall foundation	trap rubble and mortar wall footing		1.34	>0.42	
7	700	layer		modern surface	tarmacadam	>9.4	>0.9	0.1	
7	701	layer		bedding layer	sub-base	>9.4	>0.9	0.2	
7	702	layer		subsoil	light-mid yellow silty-clay	>9.4	>0.9		
7	703	layer		buried soil horizon	light yellowish-brown silty-clay			0.46	
7	704	layer		buried soil horizon	brownish-red silty-clay			0.17	
7	705	layer		trample deposit	brownish-red clay		1	0.06	MC1-LC2
7	706	layer		road surface	light-mid yellow silty-clay-gravel			0.14	
7	707	layer		road surface	reddish-brown silty-clay-gravel			0.1	
7	708	layer		road surface	light-mid yellow silty-sand-gravel		1	0.1	
7	709	cut		posthole	sharp sided cut with flat-concave base		0.2	0.16	
7	710	fill	709	fill of posthole	brownish-red silty-clay		0.2	0.16	
7	711	cut		foundation trench	sharp sided L-shaped cut	>3.4	0.84	>0.8	
7	712	structure		wall	roughly squared trap and Heavitree Breccia wall	>3.4	0.84	>0.8	
7	713	cut		robber trench	sharp sided linear with irregular base		1	0.7	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
7	714	fill	713	fill of robber trench	brown silty-clay		0.8	0.4	
7	715	fill	713	fill of robber trench	slate			0.12	
7	716	fill	713	fill of robber trench	red sand		0.74	0.45	
7	717	layer		basement fill	brown silty-clay	>3.4			
7	718	layer		made ground	light-mid brownish-yellow silty- clay			>0.3	
8	800	layer		modern surface	tarmacadam	>3.1	>2.1	0.35	
8	801	layer		modern surface	cobbles			0.1	
8	802	layer		modern surface	tarmacadam			0.2	
8	803	layer		service trench fill	reddish-brown silty-clay			>0.65	
8	804	layer		surface	gravel	>0.45	0.1	0.1	
8	805	layer		natural substrate	red clay			>0.15	
9	900	layer		modern surface	tarmacadam		1	0.1	
9	901	layer		modern surface	tarmacadam	1		0.1	
9	902	layer		made ground	stone			0.2	
9	903	layer		made ground	disturbed ground		1	0.44	
9	904	cut		foundation trench	sharp sided cut	0.9	>0.2	>0.6	
9	905	structure		wall foundation	roughly squared heavitree, trap and brick mortared wall footing	0.9	>0.2	>0.6	
9	908	layer		made ground	light-mid yellowish-brown silty- clay			0.08	
9	909	layer		made ground	brownish-red silty-clay			0.12	
9	910	layer		made ground	greyish-brown silty-sand			0.13	
9	911	layer		made ground	brownish-yellow silty-clay			>0.08	
10	1000	layer		modern surface	tarmacadam			0.15	
10	1001	layer		modern surface	kerbing			0.15	
10	1002	layer		service trench fill	reddish-brown silty-clay			>0.65	
11	1100	layer		modern surface	tarmacadam	>1.7	>0.8	0.4	
11	1101	layer		service trench fill	reddish-brown silty-clay	>1.7	>0.8	>0.8	
11	1102	layer		natural substrate	red clay	>1.7	>0.8	>0.5	
12	1200	layer		modern surface	tarmacadam	>1.5	>0.8	0.2	
12	1201	layer		service trench fill	reddish-brown silty-clay	>1.5	>0.8	>1	
12	1202	layer		service trench fill	reddish-brown silty-clay	>1.5	>0.8	>1	
12	1203	layer		made ground	mid-dark brown silty-clay	>1.5	>0.8	0.3	
12	1204	layer		made ground	light yellowish-brown clay	>1.5	>0.8	0.1	
12	1205	layer		buried soil horizon	light-mid brownish-red silty-clay	>1.5	>0.8	0.1	
12	1206	layer		natural substrate	light pinkish-white shaly-clay	>1.5	>0.8		
13	1300	layer		modern surface	tarmacadam	>1.1	>1.1	0.15	
13	1301	layer		made ground	stone	>1.1	>1.1	0.3	
13	1302	layer		made ground	mid-dark brown silty-clay	>1.1	>1.1	0.05	
13	1303	layer		made ground	brown silty-clay	>1.1	>1.1	0.08	
13	1304	layer		made ground	dark brown silty-clay	>1.1	>1.1	0.1	
13	1305	layer		made ground	light yellow silty-gravel	>1.1	>1.1	0.06	
13	1306	layer		made ground	greyish-brown silty-clay	>1.1	>1.1	0.1	
13	1307	layer	L	made ground	light-mid reddish-brown silty-clay	>1.1	>1.1	>0.26	
13	1308	layer		service trench fill	reddish-brown silty-clay	>1.1	>1.1	>0.5	C2
14	1400	layer		modern surface	tarmacadam	>1.5	>0.8	0.15	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
14	1401	layer		made ground	stone	>1.5	>0.8	0.1	
14	1402	layer		service trench fill	reddish-brown silty-clay	>1.5	>0.8	>0.55	
15	1500	layer		modern surface	tarmacadam	>1.4	>1	0.1	
15	1501	layer		bedding layer	crushed tarmac	>1.4	>1	0.1	
15	1502	layer		made ground	brownish-red silty-clay	>1.4	>1	0.28	
15	1503	layer		made ground	brownish-red silty-clay	>1.4	>1	0.29	
15	1504	layer		made ground	yellowish-orange silty-clay	>1.4	>1	0.08	
15	1505	layer		made ground	brownish-grey silty-clay	>1.4	>1	0.21	C1-C4
15	1506	layer		made ground	yellow clay	>1.4	>1	>0.02	
16	1600	layer		modern surface	tarmacadam	>1.1	>0.8	0.1	
16	1601	layer		modern surface	concrete	>1.1	>0.8	0.15	
16	1602	layer		service trench fill	reddish-brown silty-clay	>1.1	>0.8	>0.75	
17	1700	layer		modern surface	paving slabs			0.1	
17	1701	layer		modern surface	concrete			0.15	
17	1702	layer		service trench fill	reddish-brown silty-clay			>0.25	
18	1800	layer		modern surface	tarmacadam	>3.9	>1.2	0.1	
18	1801	layer		bedding layer	stone	>3.9	>1.2	0.3	
18	1802	layer		service trench fill	reddish-brown silty-clay	>3.9	>1.2	>0.7	
19	1900	layer		modern surface	tarmacadam	>1.1	>0.8	0.1	
19	1901	layer		modern surface	tarmacadam	>1.1	>0.8	0.1	
19	1902	layer		service trench fill	reddish-brown silty-clay	>1.1	>0.8	>0.7	
19	1903	structure		wall foundation	roughly squared trap and mortar wall	>1.1	>0.7	>0.15	
19	1904	layer		basement fill	reddish-brown silty-clay	>1.1	>0.8	>0.7	
20	2000	layer		modern surface	tarmacadam	>1.4	>0.6	0.1	
20	2001	layer		bedding layer	stone	>1.4	>0.6	0.2	
20	2002	layer		service trench fill	reddish-brown silty-clay	>1.4	>0.6	0.3	
20	2003	layer		service trench fill	red sand	>1.4	>0.6	>0.5	
20	2004	layer		service trench fill	reddish-brown silty-clay	>1.4	>0.6	>0.8	
21	2100	layer		modern surface	tarmacadam	>5	>0.8	0.1	
21	2101	layer		modern surface	tarmacadam	>5	>0.8	0.2	
21	2102	layer		bedding layer	stone	>5	>0.8	0.12	
21	2103	structure		wall foundation	roughly squared heavitree, trap and mortar wall foundation		0.6	>0.6	
21	2104	structure		wall foundation	brick and mortar wall foundation		0.58	>0.5	
21	2105	layer		service trench fill	mid-dark brown silty-clay	>5	>0.8	>0.5	
21	2106	layer		service trench fill	dark brown silty-clay	>5	>0.8	>0.5	
21	2107	layer		service trench fill	mid-dark brown silty-clay	>5	>0.8	>0.5	
22	2200	layer		modern surface	tarmacadam	>1.1	>1	0.1	
22	2201	layer		bedding layer	tarmac and stone	>1.1	>1	0.12	
22	2202	layer		service trench fill	reddish-brown silty-clay	>1.1	>1	>0.48	
22	2203	structure		wall foundation	rubble trap and mortar wall foundation	>1.1	>1	>0.48	
23	2300	layer		modern surface	tarmacadam	>1.5	>0.8	0.1	
23	2301	layer		bedding layer	stone	>1.5	>0.8	0.18	
23	2302	layer		service trench fill	reddish-brown silty-clay	>1.5	>0.8	>0.52	
24	2400	layer		modern surface	tarmacadam		>0.8	0.1	
24	2401	layer		modern surface	concrete		>0.8	0.3	
24	2402	layer		service trench fill	reddish-brown silty-clay		>0.8	0.2	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
24	2403	layer		service trench fill	red sand		>0.8	>0.2	
25	2500	layer		modern surface	tarmacadam	>2	>1.1	0.1	
25	2501	layer		bedding layer	stone	>2	>1.1	0.22	
25	2502	layer		service trench fill	mid-dark brownish-red silty-clay	>2	>1.1	>0.48	
25	2503	structure		wall foundation	roughly squared heavitree and mortar wall foundation		0.4	>0.5	
26	2600	layer		modern surface	tarmacadam	>1.6	>1.4	0.1	
26	2601	layer		modern surface	tarmacadam	>1.6	>1.4	0.1	
26	2602	layer		bedding layer	stone	>1.6	>1.4	0.13	
26	2603	layer		made ground	mid-dark reddish-brown silty-clay	>1.6	>1.4	0.06	
26	2604	layer		made ground	orangey-brown silty-clay	>1.6	>1.4	0.14	
26	2605	layer		made ground	dark brownish-black silty-clay	>1.6	>1.4	0.4	
26	2606	layer		made ground	orange clay	>1.6	>1.4	0.04	
26	2607	layer		made ground	orangey-brown silty-clay	>1.6	>1.4	>0.04	
26	2608	layer		made ground	red sand	>1.6	>1.4		
27	2700	layer		modern surface	tarmacadam	>4.6	>0.8	0.1	
27	2701	layer		modern surface	tarmacadam	>4.6	>0.8	0.12	
27	2702	layer		bedding layer	stone	>4.6	>0.8	0.08	
27	2703	layer		service trench fill	mid-dark brownish-red silty-clay	>4.6	>0.8	0.46	
27	2704	structure		wall foundation	roughly squared heavitree and mortar wall foundation			>0.66	
27	2705	cut		foundation trench	sharp sided linear		>0.3	>0.66	
27	2706	layer		made ground	dark brown silty-clay			>0.6	
27	2707	layer		service trench fill	mid-dark brownish-red silty-clay	>4.6	>0.8	>0.6	
28	2800	layer		modern surface	paving slabs	>1	>0.8	0.1	
28	2801	layer		bedding layer	concrete	>1	>0.8	0.1	
28	2802	layer		service trench fill	mid-dark brownish-red silty-clay	>1	>0.8	>0.1	
29	2900	layer		modern surface	paving slabs	>1.4	>1	0.1	
29	2901	layer		bedding layer	concrete	>1.4	>1	0.1	
29	2902	layer		service trench fill	mid-dark brownish-red silty-clay	>1.4	>1	>0.1	
30	3000	layer		modern surface	concrete	>2.6	>1	0.25	
30	3001	layer		service trench fill	mid-dark brownish-red silty-clay	>2.6	>1	>0.25	
31	3100	layer		modern surface	paving slabs	>0.7	>0.6	0.1	
31	3101	layer		bedding layer	concrete	>0.7	>0.6	0.1	
31	3102	layer		service trench fill	mid-dark brownish-red silty-clay	>0.7	>0.6	>0.6	
26	2604	layer		made ground	orangey-brown silty-clay	>1.6	>1.4	0.14	
26	2605	layer		made ground	dark brownish-black silty-clay	>1.6	>1.4	0.4	
26	2606	layer		made ground	orange clay	>1.6	>1.4	0.04	
26	2607	layer		made ground	orangey-brown silty-clay	>1.6	>1.4	>0.04	
26	2608	layer		made ground	red sand	>1.6	>1.4		
27	2700	layer		modern surface	tarmacadam	>4.6	>0.8	0.1	
27	2701	layer		modern surface	tarmacadam	>4.6	>0.8	0.12	
27	2702	layer		bedding layer	stone	>4.6	>0.8	0.08	
27	2703	layer		service trench fill	mid-dark brownish-red silty-clay	>4.6	>0.8	0.46	
27	2704	structure		wall foundation	roughly squared heavitree and mortar wall foundation			>0.66	
27	2705	cut		foundation trench	sharp sided linear		>0.3	>0.66	
27	2706	layer		made ground	dark brown silty-clay			>0.6	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
27	2707	layer		service trench fill	mid-dark brownish-red silty-clay	>4.6	>0.8	>0.6	
28	2800	layer		modern surface	paving slabs	>1	>0.8	0.1	
28	2801	layer		bedding layer	concrete	>1	>0.8	0.1	
28	2802	layer		service trench fill	mid-dark brownish-red silty-clay	>1	>0.8	>0.1	
29	2900	layer		modern surface	paving slabs	>1.4	>1	0.1	
29	2901	layer		bedding layer	concrete	>1.4	>1	0.1	
29	2902	layer		service trench fill	mid-dark brownish-red silty-clay	>1.4	>1	>0.1	
30	3000	layer		modern surface	concrete	>2.6	>1	0.25	
30	3001	layer		service trench fill	mid-dark brownish-red silty-clay	>2.6	>1	>0.25	
31	3100	layer		modern surface	paving slabs	>0.7	>0.6	0.1	
31	3101	layer		bedding layer	concrete	>0.7	>0.6	0.1	
31	3102	layer		service trench fill	mid-dark brownish-red silty-clay	>0.7	>0.6	>0.6	

### North Street and Paul Street

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
1	100	layer		modern surface	tarmacadam		>1.2	0.1	
1	101	layer		modern surface	tarmacadam		>1.2	0.1	
1	102	layer		bedding layer	stone		>1.2	0.1	
1	103	layer		modern disturbance	modern disturbance		>1.2	0.6	
1	104	layer		made ground	light-mid greyish-yellow silty-clay		0.4	0.1	
1	105	layer		made ground	grey silty-sand		0.76	0.1	
1	106	structure		wall foundation	brick and mortar wall foundation		0.16	>0.4	
1	107	cut		foundation trench	sharp sided linear cut		0.16	>0.4	
1	108	structure		wall foundation	trap built wall foundation	0.8		0.24	
1	109	cut		foundation trench	sharp sided linear cut with flat base	0.76		0.21	
1	110	fill	111	fill of postpipe	brownish-red silty-clay		0.39	0.45	
1	111	cut		postpipe	sharp sided cut		0.39	0.45	
1	112	fill	113	fill of posthole	orangey-yellow silty-clay		0.8	0.86	
1	113	cut		posthole	sharp sided rounded cut with flat base		0.8	0.86	
1	114	layer		buried soil horizon	light-mid reddish-brown silty-clay			0.08	
1	115	layer		natural substrate	yellowish-orange clay				
2	200	layer		modern surface	tarmacadam	>1.3	>1	0.1	
2	201	layer		modern surface	tarmacadam	>1.3	>1	0.1	
2	202	layer		bedding layer	stone	>1.3	>1	0.1	
2	203	layer		demolition deposit	modern demolition rubble	>1.3	>1	0.5	
2	204	layer		demolition deposit	modern demolition rubble	>1.3	>1	0.1	
2	205	layer		service trench fill	reddish-brown silty-clay	>1.3	>1	>0.1	
3	300	layer		modern surface	tarmacadam	>1.6	>1	0.1	
3	301	layer		modern surface	tarmacadam	>1.6	>1	0.1	
3	302	layer		bedding layer	stone	>1.6	>1	0.35	
3	303	layer		demolition deposit	modern demolition rubble	>1.6	>1	0.15	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
3	304	layer		demolition deposit	modern demolition rubble	>1.6	>1	0.05	
3	305	layer		service trench fill	reddish-brown silty-clay	>1.6	>1	>0.35	
4	400	layer		modern surface	tarmacadam	>7.6	>1.1	0.1	
4	401	layer		modern surface	tarmacadam	>7.6	>1.1	0.1	
4	402	layer		bedding layer	stone	>7.6	>1.1	0.1	
4	403	layer		demolition deposit	modern demolition rubble	>7.6	>1.1	0.3	
4	404	layer		demolition deposit	modern demolition rubble	>7.6	>1.1	0.1	
4	405	layer		natural substrate	yellowish-orange clay	>7.6	>1.1	>0.5	
5	500	layer		modern surface	tarmacadam	>3.7	>2.1	0.13	
5	501	layer		modern surface	tarmacadam	>3.7	>2.1	0.1	
5	502	layer		bedding layer	brown silty-clay-gravel	>3.7	>2.1	0.04	
5	503	layer		modern surface	tarmacadam	>3.7	>2.1	0.03	
5	504	layer		bedding layer	greyish-green silty-sand-gravel	>3.7	>2.1	0.06	
5	505	layer		made ground	light grey silty-sand-gravel	>3.7	>2.1	0.05	
5	506	layer		made ground	light greyish-yellow silty-sand- gravel	>3.7	>2.1	0.04	
5	507	layer		made ground	reddish-brown silty-clay	>3.7	>2.1	0.14	
5	508	layer		made ground	light-mid brownish-red silty-clay	>3.7	>2.1	0.09	
5	509	layer		made ground	light-mid pinkish-red	>3.7	>2.1	0.1	
5	510	layer		made ground	brown silty-clay	>3.7	>2.1	>0.32	
6	600	layer		modern surface	tarmacadam	>22	>1	0.1	
6	601	layer		modern surface	concrete	>22	>1	0.2	
6	602	layer		modern surface	tarmacadam	>22	>1	0.1	
6	603	layer		service trench fill	reddish-brown silty-clay	>22	>1	>0.8	
6	604	layer		natural substrate	red clay	>22	>1	>0.7	
7	700	layer		modern surface	tarmacadam	>3.5	>1.2	0.1	
7	701	layer		modern surface	concrete	>3.5	>1.2	0.2	
7	702	layer		bedding layer	sand and crushed tarmac	>3.5	>1.2	0.1	
7	703	layer		natural substrate	red clay	>3.5	>1.2	>0.6	
8	800	layer		modern surface	tarmacadam	>1.3	>0.8	0.1	
8	801	layer		modern surface	concrete	>1.3	>0.8	0.2	
8	802	layer		bedding layer	sand and crushed tarmac	>1.3	>0.8	0.1	
8	803	layer		natural substrate	red clay	>1.3	>0.8	>0.8	
9	900	layer		modern surface	tarmacadam	>1.3	>0.8	0.1	
9	901	layer		modern surface	concrete	>1.3	>0.8	0.2	
9	902	layer		service trench fill	reddish-brown silty-clay	>1.3	>0.8	>0.9	
10	1000	layer		modern surface	tarmacadam	>1.7	>0.8	0.1	
10	1001	layer		service trench fill	reddish-brown silty-clay	>1.7	>0.8	>1.1	
10	1002	layer		natural substrate	red clay	>1.7	>0.8	>0.4	
11	1100	layer		modern surface	tarmacadam	>5.6	>1	0.1	
11	1101	layer		modern surface	concrete	>5.6	>1	0.2	
11	1102	layer		service trench fill	reddish-brown silty-clay	>5.6	>1	0.5	
11	1103	layer		natural substrate	red clay	>5.6	>1	>0.3	
12	1200	layer		modern surface	tarmacadam	>2	>0.4	0.1	
12	1201	layer		modern surface	concrete	>2	>0.4	0.2	
12	1202	layer		service trench fill	reddish-brown silty-clay	>2	>0.4	>0.3	
13	1300	layer		modern surface	tarmacadam	>2.5	>1	0.1	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
13	1301	layer		modern surface	concrete	>2.5	>1	0.2	
13	1302	layer		service trench fill	reddish-brown silty-clay	>2.5	>1	0.5	
13	1303	layer		natural substrate	red clay	>2.5	>1	>0.4	
13	1304	structure		drainage structure	heavitree built drainage structure			>0.4	
14	1400	layer		modern surface	tarmacadam	>1.4	>0.8	0.1	
14	1401	layer		modern surface	concrete	>1.4	>0.8	0.2	
14	1402	layer		service trench fill	reddish-brown silty-clay	>1.4	>0.8	>0.7	
15	1500	layer		modern surface	tarmacadam	>6.8	>0.9	0.1	
15	1501	layer		modern surface	concrete	>6.8	>0.9	0.2	
15	1502	layer		bedding layer	crushed tarmac	>6.8	>0.9	0.15	
15	1503	layer		service trench fill	reddish-brown silty-clay	>6.8	>0.9	>0.85	
16	1600	layer		modern surface	tarmacadam	>1.8	>1.1	0.1	
16	1601	layer		modern surface	concrete	>1.8	>1.1	0.2	
16	1602	layer		bedding layer	crushed tarmac	>1.8	>1.1	0.15	
16	1603	layer		service trench fill	reddish-brown silty-clay	>1.8	>1.1	>0.65	
17	1700	layer		modern surface	tarmacadam	>1.6	>1.1	0.1	
17	1701	layer		modern surface	concrete	>1.6	>1.1	0.2	
17	1702	layer		bedding layer	crushed tarmac	>1.6	>1.1	0.15	
17	1703	layer		service trench fill	reddish-brown silty-clay	>1.6	>1.1	>0.65	
18	1800	layer		modern surface	tarmacadam	>3	>1	0.1	
18	1801	layer		modern surface	concrete	>3	>1	0.2	
18	1802	layer		service trench fill	reddish-brown silty-clay	>3	>1	>0.8	
19	1900	layer		modern surface	tarmacadam	>1.5	>1	0.1	
19	1901	layer		modern surface	concrete	>1.5	>1	0.2	
19	1902	layer		service trench fill	reddish-brown silty-clay	>1.5	>1	>0.8	
20	2000	layer		modern surface	tarmacadam	>1.6	>1	0.1	
20	2001	layer		modern surface	concrete	>1.6	>1	0.2	
20	2002	layer		service trench fill	reddish-brown silty-clay	>1.6	>1	>0.8	
21	2100	layer		modern surface	tarmacadam	>3.8	>1	0.1	
21	2101	layer		modern surface	concrete	>3.8	>1	0.2	
21	2102	layer		service trench fill	reddish-brown silty-clay	>3.8	>1	>0.9	
21	2103	layer		service trench fill	dark brownish-black silty-clay	>3.8	>1	>0.7	
21	2104	layer		made ground	light reddish-brown silty-clay	>3.8	>1	>0.9	
22	2200	layer		modern surface	tarmacadam	>1.7	>0.9	0.1	
22	2201	layer		modern surface	concrete	>1.7	>0.9	0.2	
22	2202	layer		made ground	reddish-brown silty-clay	>1.7	>0.9	0.2	
22	2203	layer		bedding layer	crushed tarmac	>1.7	>0.9	0.1	
22	2204	layer		made ground	light-mid grey silty-clay	>1.7	>0.9	0.2	
22	2205	layer		made ground	light-mid reddish-brown silty-clay	>1.7	>0.9	0.2	
22	2206	layer		made ground	light-mid grey silty-clay	>1.7	>0.9	>0.2	

### Cathedral Green Phase II

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
1	100	layer		modern surface	paving slabs	>1.9	>0.7	0.08	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
1	101	layer		bedding layer	concrete	>1.9	>0.7	0.22	
1	102	layer		bedding layer	aggregate	>1.9	>0.7	0.1	
1	103	fill	104	service trench fill	reddish-brown silty-clay	>1.9	>0.7	>0.6	
1	104	cut		service trench	modern linear service trench	>1.9	>0.7	>0.6	
2	200	layer		modern surface	paving slabs	>1.3	>0.9	0.08	
2	201	layer		bedding layer	concrete	>1.3	>0.9	0.22	
2	202	layer		bedding layer	aggregate	>1.3	>0.9	0.1	
2	203	fill	204	service trench fill	reddish-brown silty-clay	>1.3	>0.9	>0.35	
2	204	cut		service trench	modern linear service trench	>1.3	>0.9	>0.35	
3	300	layer		modern surface	paving slabs	>1.1	>0.8	0.08	
3	301	layer		bedding layer	concrete	>1.1	>0.8	0.27	
3	302	layer		bedding layer	aggregate	>1.1	>0.8	0.1	
3	303	fill	304	service trench fill	reddish-brown silty-clay	>1.1	>0.8	>0.45	
3	304	cut		service trench	modern linear service trench	>1.1	>0.8	>0.45	
4	400	layer	+	modern surface	paving slabs	>1.2	>0.9	0.08	
4	401	layer		bedding layer	concrete	>1.2	>0.9	0.22	
4	402	layer		bedding layer	aggregate	>1.2	>0.9	0.1	
4	403	fill	404	service trench fill	reddish-brown silty-clay	>1.2	>0.9	>0.6	
4	404	cut		service trench	modern linear service trench	>1.2	>0.9	>0.6	
5	500	layer		modern surface	paving slabs	>4.6	>4.1	>0.07	
5	501	layer		bedding layer	concrete	>4.6	>4.1	0.12	
5	502	layer		bedding layer	orange sand	>4.6	>4.1	0.14	
5	503	fill		service trench fill	reddish-brown silty-clay	>4.6	>4.1	0.64	
5	504	layer		made ground	dark brown silty-clay	>4.6	>4.1	0.23	
5	505	layer		made ground	dark reddish-brown silty-clay	>4.6	>4.1	>0.15	
6	600	layer		modern surface	cobbles	>1.6	>1.2	0.07	
6	601	layer		bedding layer	concrete	>1.6	>1.2	0.31	
6	602	fill	603	service trench fill	reddish-brown silty-clay	>1.6	>1.2	>0.57	
6	603	cut		service trench	modern linear service trench	>1.6	>1.2	>0.57	
8	800	layer		modern surface	paving slabs	>0.9	>0.4	0.08	
8	801	layer		bedding layer	concrete	>0.9	>0.4	0.00	
8	802	fill	803	service trench fill	reddish-brown silty-clay	>0.9	>0.4	>0.32	
8	803	cut	000	service trench	modern linear service trench	>0.9	>0.4	>0.32	
9	900	layer		modern surface	paving slabs	>0.9	>0.4	0.08	
		-							
9	901	layer		bedding layer	concrete	>0.8	>0.5	0.1	
9	902	fill	903	service trench fill	aggregate	>0.8	>0.5	>0.07	
9	903	cut		service trench	modern linear service trench	>0.8	>0.5	>0.07	
10	1000	layer	1	modern surface	paving slabs	>0.6	>0.3	0.08	
10	1001	layer	1	bedding layer	concrete	>0.6	>0.3	0.12	
10	1002	fill	1003	service trench fill	aggregate	>0.6	>0.3	>0.35	
10	1003	cut	1	service trench	modern linear service trench	>0.6	>0.3	>0.35	
11	1100	layer		modern surface	paving slabs	>0.6	>0.3	0.08	
11	1101	layer		bedding layer	concrete	>0.6	>0.3	0.17	
11	1102	layer	1	bedding layer	aggregate	>0.6	>0.3	0.05	
11	1103	fill	1104	service trench fill	reddish-brown silty-clay	>0.6	>0.3	>0.3	
11	1104	cut		service trench	modern linear service trench	>0.6	>0.3	>0.3	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
12	1200	layer		modern surface	paving slabs	>1.4	>0.9	0.08	
12	1201	layer		bedding layer	concrete	>1.4	>0.9	0.12	
12	1202	fill	1203	service trench fill	red sand	>1.4	>0.9	>0.8	
12	1203	cut		service trench	modern linear service trench	>1.4	>0.9	>0.8	
13	1300	layer		modern surface	paving slabs	>1.8	>0.9	0.08	
13	1301	layer		bedding layer	concrete	>1.8	>0.9	0.1	
13	1302	fill	1303	service trench fill	red sand	>1.8	>0.9	>0.22	
13	1303	cut		service trench	modern linear service trench	>1.8	>0.9	>0.22	
14	1400	layer		modern surface	paving slabs	>1	>0.7	0.08	
14	1401	layer		bedding layer	concrete	>1	>0.7	0.13	
14	1402	fill	1403	service trench fill	reddish-brown silty-clay	>1	>0.7	>0.19	
14	1403	cut		service trench	modern linear service trench	>1	>0.7	>0.19	
15	1500	layer	1	modern surface	paving slabs	>2.2	>0.5	0.08	
15	1501	layer		bedding layer	concrete	>2.2	>0.5	0.17	
15	1502	fill	1503	service trench fill	reddish-brown silty-clay	>2.2	>0.5	>0.55	
15	1503	cut		service trench	modern linear service trench	>2.2	>0.5	>0.55	
16	1600	layer		modern surface	paving slabs	>3.2	>0.8	0.1	
16	1601	layer		bedding layer	sand bedding	>3.2	>0.8	0.04	
16	1602	layer		bedding layer	concrete	>3.2	>0.8	0.19	
16	1603	cut		service trench	modern linear service trench	>3.2	>0.8	0.27	
16	1604	fill	1603	service trench fill	red sand and grey aggregate	>3.2	>0.8	0.27	
16	1605	cut		service trench	modern linear service trench	>3.2	>0.8	0.77	
16	1606	fill	1605	service trench fill	reddish-brown silty-clay	>3.2	>0.8	0.77	
17	1700	layer		modern surface	paving slabs	>1.9	>0.8	0.1	
17	1701	layer		bedding layer	yellow sand	>1.9	>0.8	0.05	
17	1702	layer		bedding layer	concrete	>1.9	>0.8	0.2	
17	1703	fill	1704	service trench fill	reddish-brown silty-clay	>1.9	>0.8	>0.65	
17	1704	cut		service trench	modern linear service trench	>1.9	>0.8	>0.65	
17	1705	layer		disuse deposit	reddish-brown silty-clay	>1.9	>0.8	0.1	
17	1706	layer		surface	cobbled surface	>1.9	>0.8	>0.15	
18	1800	layer		modern surface	paving slabs	>1.3	>1	0.1	
18	1801	layer		bedding layer	yellow sand	>1.3	>1	0.05	
18	1802	layer		bedding layer	concrete	>1.3	>1	0.2	
18	1803	layer		made ground	pink aggregate	>1.3	>1	0.2	
18	1804	cut		service trench	modern linear service trench	>1.3	>1	>0.45	
18	1805	fill	1804	service trench fill	reddish-brown silty-clay	>1.3	>1	>0.45	
18	1806	layer		made ground	brown silty-clay		0.5	0.08	
18	1807	layer		made ground	white mortar		0.5	0.02	
18	1808	layer	1	made ground	reddish-brown silty-clay		0.5	>0.2	
19	1900	layer		modern surface	paving slabs	>2.4	>1.3	0.1	
19	1901	layer		bedding layer	yellow sand	>2.4	>1.3	0.05	
19	1902	layer	1	bedding layer	concrete	>2.4	>1.3	0.2	
19	1903	cut		service trench	modern linear service trench	>2.4	>1.3	>0.7	
19	1904	fill	1903	service trench fill	reddish-brown silty-clay	>2.4	>1.3	>0.7	
20	2000	layer		modern surface	paving slabs	>2.1	>0.7	0.05	
20	2001	layer		bedding layer	concrete	>2.1	>0.7	0.17	
20	2002	cut		service trench	modern linear service trench	>2.1	>0.7	>0.93	

Trench No.	Context No.	Туре	Fill of	Context interpretation	Description	L (m)	W (m)	Depth /thick ness (m)	Spot- date
20	2003	fill	2002	service trench fill	reddish-brown silty-clay	>2.1	>0.7	>0.93	
20	2004	layer		made ground	dark brown silty-clay	>2.1	>0.7	0.25	
20	2005	layer		made ground	reddish-brown silty-clay	>2.1	>0.7	>0.2	MC2-LC2
21	2100	layer		modern surface	paving slabs	>2.7	>0.8	0.1	
21	2101	layer		bedding layer	yellow sand	>2.7	>0.8	0.05	
21	2102	layer		bedding layer	concrete	>2.7	>0.8	0.2	
21	2103	cut		service trench	modern linear service trench	>2.7	>0.8	>0.3	
21	2104	fill	2103	service trench fill	reddish-brown silty-clay	>2.7	>0.8	>0.3	
22	2200	layer		modern surface	paving slabs	>1.5	>1	0.1	
22	2201	layer		bedding layer	yellow sand	>1.5	>1	0.05	
22	2202	layer		bedding layer	concrete	>1.5	>1	0.2	
22	2203	layer		made ground	pink aggregate	>1.5	>1	0.2	
22	2204	cut		service trench	modern linear service trench	>1.5	>1	>0.85	
22	2205	fill	2204	service trench fill	reddish-brown silty-clay	>1.5	>1	>0.85	
23	2300	layer		modern surface	paving slabs	>2.3	>0.9	0.1	
23	2301	layer		bedding layer	concrete	>2.3	>0.9	0.22	
23	2302	layer		bedding layer	concrete	>2.3	>0.9	0.05	
23	2303	layer		made ground	dark grey aggregate	>2.3	>0.9	0.21	
23	2304	layer		made ground	pink aggregate	>2.3	>0.9	0.22	
23	2305	layer		made ground	dark grey aggregate	>2.3	>0.9	0.25	
23	2306	cut		service trench	modern linear service trench	>2.3	>0.9	>0.75	
23	2307	fill	2306	service trench fill	reddish-brown silty-clay	>2.3	>0.9	>0.75	
23	2308	structure		wall	brick built wall			>0.75	
24	2400	layer		modern surface	paving slabs	>3.9	>0.7	0.08	
24	2401	layer		bedding layer	concrete	>3.9	>0.7	0.28	
24	2402	layer		made ground	pink aggregate	>3.9	>0.7	0.04	
24	2403	layer		bedding layer	concrete	>3.9	>0.7	0.5	
24	2404	cut		service trench	modern linear service trench	>3.9	>0.7	>0.55	
24	2405	fill	2404	service trench fill	reddish-brown silty-clay	>3.9	>0.7	>0.55	
24	2406	structure		wall	brick built wall			>0.55	

## APPENDIX B: THE FINDS

# **Cathedral Green Phase I**

Context	Description	Count	Weight(g)	Spot-date
0	Post-medieval pottery: glazed earthenware	2	18	-
0 Tr5	Post-medieval pottery: glazed earthenware	1	7	-
	Medieval ceramic building material: decorated floor tile	2	136	
	Clay tobacco pipe: stem	1	3	
402	Post-medieval pottery: black-glazed earthenware	1	54	C18
	Post-medieval ceramic building material: ridge tile and floor tile	2	108	
503	Post-medieval/modern pottery: 'late' English stoneware; tin-glazed earthenware; transfer-printed refined whitewares; glazed earthenware	11	1044	LC19-C20
	Glass: vessel	2	39	
509	Clay tobacco pipe: stem	1	1	LC17-LC19
512	Medieval pottery: sandy jug fabric	1	14	C14-C15
	Ceramic object: tessera	1	25	
	Iron object: bar fragment	1	61	
601	Ceramic building material: brick	2	268	LC14-C15
	Stone: oolitic limestone architectural fragments	15	14500	
607	Medieval pottery: Wheel thrown jug fabric 40	1	18	MC13-MC15
644	Post-medieval pottery: North Devon gravel-tempered ware; glazed earthenware	4	192	C17-C18
	Medieval ceramic building material: medieval floor tile (including decorated); glazed roof tile	24	1989	
806	Roman pottery: Southern Spanish amphora fabric	1	481	RB
1106	Stone: lower quern fragment	1	7500	RB
1208	Medieval ceramic building material: decorated floor tile	3	244	C13-C14
1405	Roman pottery: South-West Black-burnished ware	1	22	C17-C19
1100	Medieval pottery: sandy jug fabric	1	7	
	Roman ceramic building material: tegula, imbrex, tile	8	936	
	Clay tobacco pipe: stem	2	5	
1406	Roman pottery: buff-firing, cream-slipped flagon fabric; fine greyware	2	38	C17-C18
	Post-medieval pottery: unglazed earthenware	1	16	
	Roman ceramic building material: tegula, tile	10	1549	
	Roman glass: vessel	1	<1	
1425	Roman pottery: North Gaulish amphora	1	104	RB
1426	Post-medieval ceramic building material: moulded plaster/concrete	1	1190	LC18-C19
1501	Roman ceramic building material: tegula, imbrex	3	516	RB
2903	Roman pottery: South-East Dorset Black-burnished ware	1	6	C17-C18
2303	Post-medieval pottery: North Devon gravel-tempered ware; glazed earthenware	3	82	017-010
	Roman ceramic building material: tegula, imbrex, tile	12	1021	
	Clay tobacco pipe: stem	1	3	
3400	Post-medieval/modern pottery: 'late' English stoneware; Creamware; Pearlware; Mocha ware; yellow	32	1377	C19-C20
	industrial ware; transfer-printed refined			
	whiteware; refined whiteware; glazed			
	earthenware; unglazed earthenware;		252	
0500	Post-medieval glass: bottle	1	352	
3502	Roman ceramic building material: brick, imbrex, tile	10	2859	RB

# **Bartholomew Street**

Context	Description	Count	Weight(g)	Spot-date
1006	CBM	1	1921	Post-medieval

# Northernhay Street and Lower North Street

Context	Description	Count	Weight(g)	Spot-date
3103	Post-medieval pottery: North Devon gravel-free	1	37	C17-C18
	Clay tobacco pipe: stem	3	6	
3104	Mortar	3	76	Post-medieval?

# Market Street and Mary Arches Street

Context	Description	Count	Weight(g)	Spot-date
705	Roman pottery: Samian	1	3	MC1-LC1
1308	Roman pottery: South-West Black-burnished ware	1	26	C2
1505	Roman pottery: South-West Black-burnished ware	1	11	C1-C4

# **Cathedral Green Phase II**

Context	Description	Count	Weight(g)	Spot-date
2005	Roman pottery: Samian ware: South-West Black-burnished	2	178	MC2-LC2
	ware			
	Roman ceramic building material: tile	4	752	

#### APPENDIX C: DISARTICULATED HUMAN REMAINS

	Contex	Context				
Age group	1401	1406	1425	1501	All	
Young child	0	1	1	0	1	
Older child	2	1	0	0	2	
Adolescent	1	1	0	0	2	
Adult	5	5	6	0	16	
Unknown	0	0	0	2	2	
Total:	8	8	7	2	25	

Table 1. The minimum number of individuals estimated from the disarticulated human bones recovered from Cathedral Green, by context and in total.

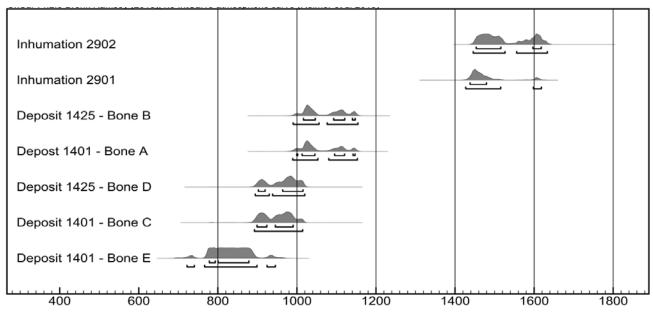
## APPENDIX D: RADIOCARBON DATING

## Cathedral Green Phase I

Radiocarbon dating table and calibration plots

Feature	Lab No.	Material	δ <sup>13</sup> C	N	rati o	Radiocar bon Age	95.4% probability	68.2% probability
Context 1401; Graveya rd earth layer	SUERC- 40316	Disarticulated human bone – Right femur, proximal, adult Bone A		12.0 ‰	3.2	990 ± 30 yr BP	(57.4% of area)	999–1002 cal AD (1.5% of area) 1013–1045 cal AD (43.8% of area) 1095–1120 cal AD (19.6% of area) 1142–1147 cal AD (3.3% of area)
Context 2901 Inhumati on	SUERC- 40317	Partially exposed articulated skeleton – Left scapula marginal, adult		10.1 ‰		420 ± 30 yr BP	1427–1515 cal AE (87.9% of area) 1598–1618 cal AE (7.5% of area)	1438–1479 cal AD (68.2% of area)
Context 2902 Inhumati on	SUERC- 40318	Partially exposed articulated skeleton – Left rib, adult		12.1 ‰		375 ± 30 yr BP	(58.2% of area)	1453–1516 cal AD (51.3% of area) 1597–1618 cal AD (16.9% of area)
Context 1425 Graveya rd earth layer	SUERC- 40319	Disarticulated human bone – Right femur, proximal, adult Bone B		9.4 ‰		985 ± 30 yr BP	(51.3% of area)	1016–046 cal AD (39.6% of area) 1093–1121 cal AD (23.7% of area) 1140–1147 cal AD (5.0% of area)
Context 1401 Graveya rd earth layer	SUERC- 40320	Disarticulated human bone – Right femur, proximal, juvenile Bone C		11.9 ‰	3.3	1090 ± 30 yr BP	892–1014 cal AE (95.4% of area)	899–924 cal AD (24.2% of area) 945–990 cal AD (44.0% of area)
Context 1425 Graveya rd earth layer	40321	Disarticulated human bone – Right femur, mid, adult Bone D		11.6 ‰	3.2	1075 ± 30 yr BP	(24.2% of area)	902–919 cal AD (15.0% of area) 964–1015 cal AD (53.2% of area)
	SUERC- 40322	Disarticulated human bone – Right femur, mid/dist, adult Bone E		10.2 ‰	3.2	1190 ± 30 yr BP	(2.9% of area)	778–793 cal AD (11.0% of area) 800–878 cal AD (57.2% of area)

Oxcal v4.2.3 Bronk Ramsey (2013); r:5 IntCal13 atmospheric curve (Reimer et al. 2013)



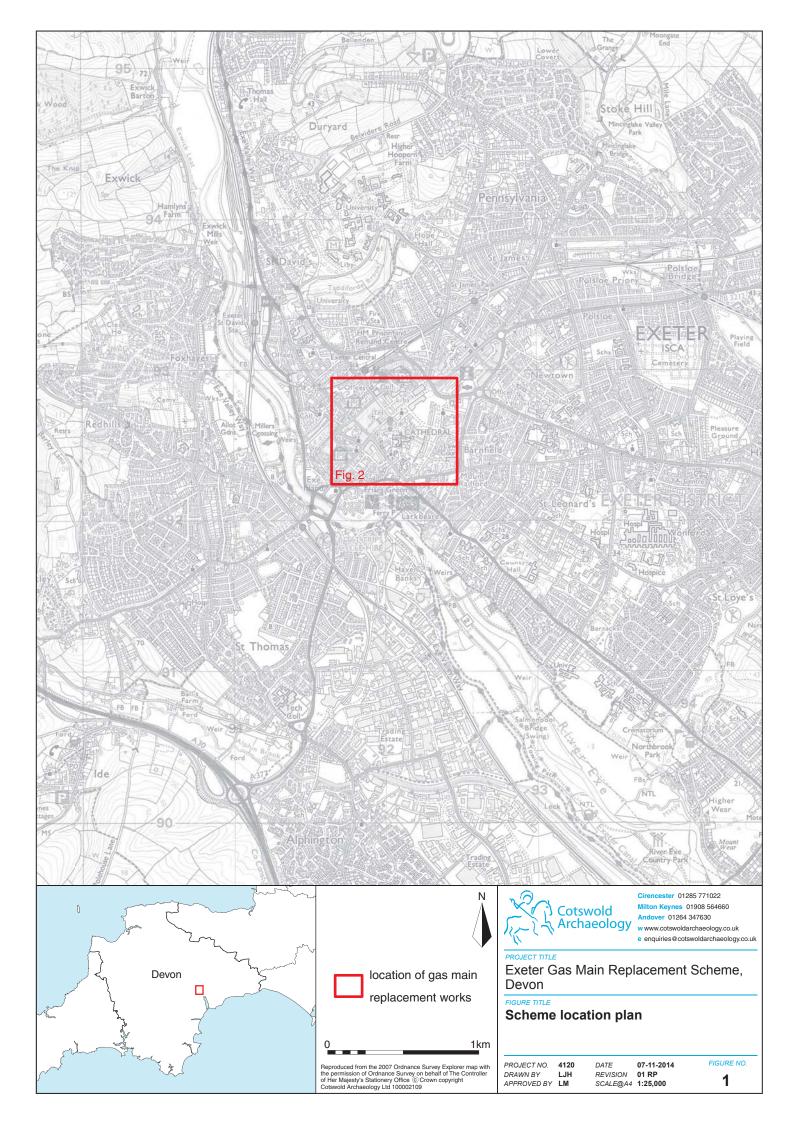
Calibrated date (cal AD)

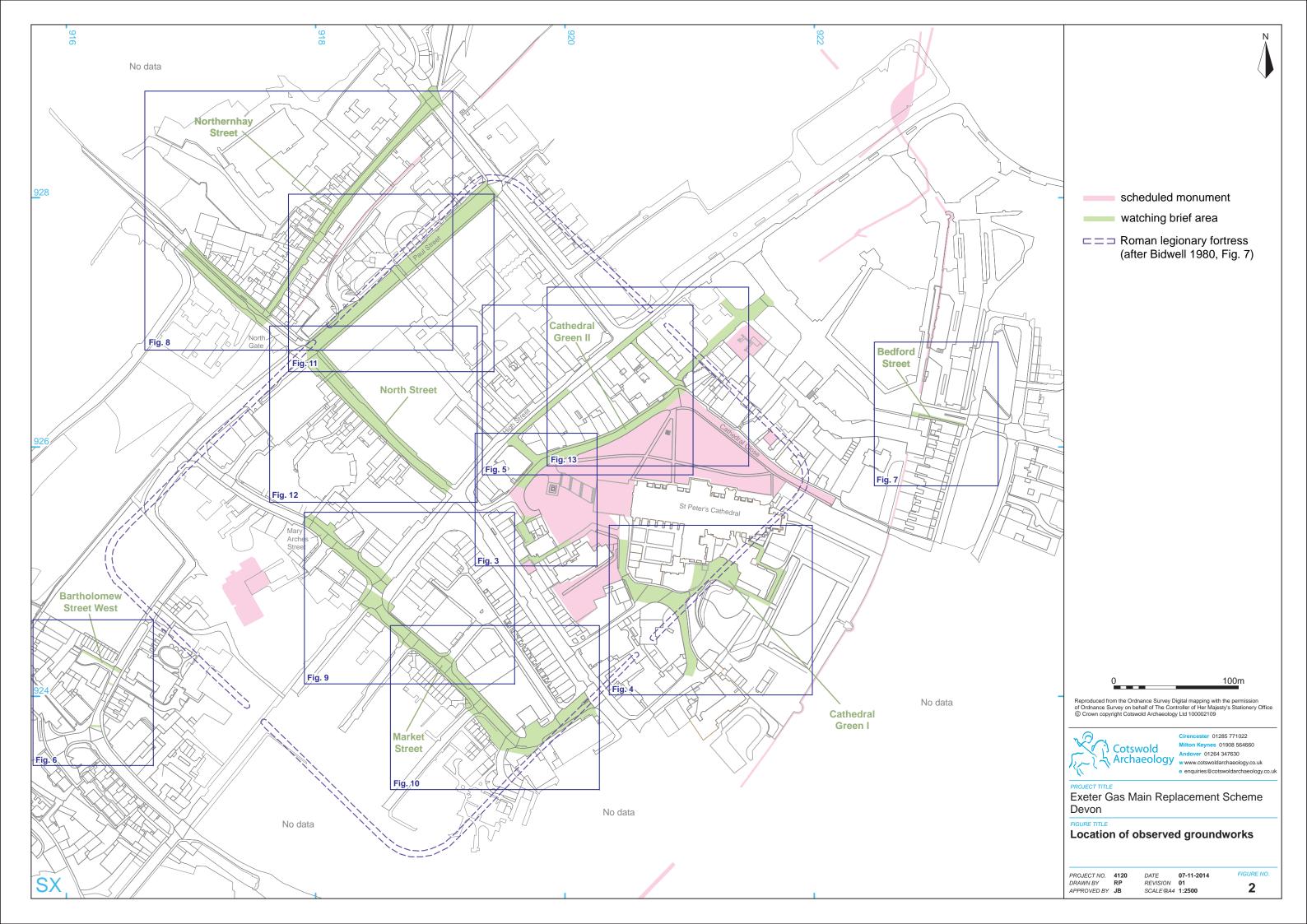
# APPENDIX E: OASIS REPORT FORM

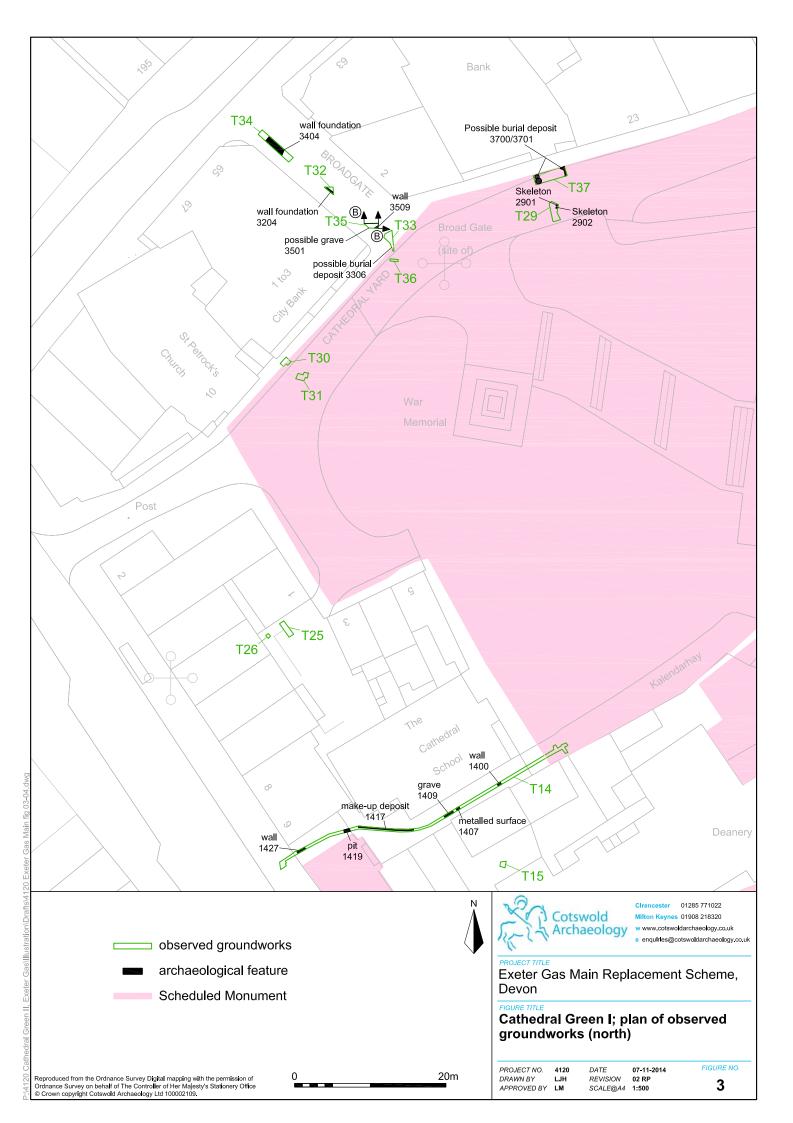
## PROJECT DETAILS

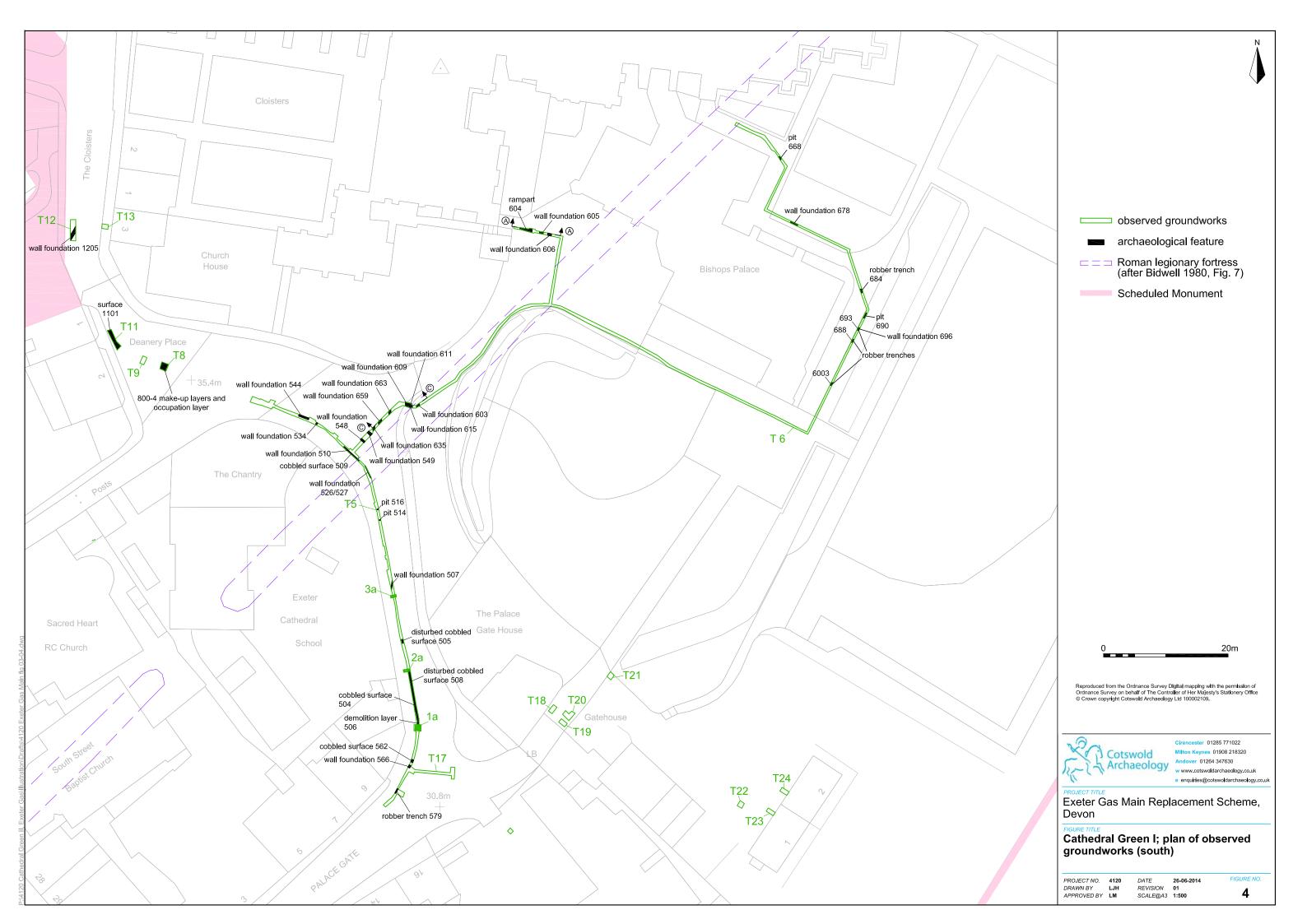
Project Name	Wales and West Utilities				
	Gas Main Replacement Programme 2011-16				
Chart description	Exeter Archaeological watching briefs were undertaken by Cotswold				
Short description	Archaeological watching briefs were Archaeology during groundworks ass				
	replacement works located at Cathedr				
	Street, West, Bedford Street, Northernha				
	Cathedral Green II (and in most cas	ses works extended into			
	neighbouring streets) within Exeter city centre.				
	neighbodning succes) within Exeler bity centre.				
	Significant archaeological remains were revealed at all of the				
	above sites, except Bedford Street. These remains comprised				
	features, structures and deposits (primarily comprising structural				
	and funerary activity) dating to the pre-Roman, Roman, post-				
	Roman, medieval, late medieval and post-medieval periods.				
Project dates	Lonuory 2012 to Moreh 2014				
Project type	January 2012 to March 2014 Archaeological watching brief				
	Archaeological watching blief				
Previous work	Various				
Future work	Unknown				
PROJECT LOCATION					
Site Location	Exeter city centre				
Study area (M <sup>2</sup> /ha)					
Site co-ordinates (8 Fig Grid Reference)	SX 9196 9259 (centre)				
PROJECT CREATORS					
Name of organisation	Cotswold Archaeology				
Project Brief originator	None				
Project Design (WSI) originator	Cotswold Archaeology				
Project Manager	Laurent Coleman				
Project Supervisor	Mark Steinmetzer, Jamie Wright, Ray Holt, Charlotte Haines and				
	Diarmuid O' Seaneachain				
MONUMENT TYPE	Structural and funerary remains				
SIGNIFICANT FINDS	None				
PROJECT ARCHIVES	Intended final location of archive	Content (e.g. pottery,			
	(museum/Accession no.)	animal bone etc)			
Physical	Royal Albert Memorial Museum,	Ceramics, animal			
	accession no's RAMM: 12/38, RAMM:	bone,glass, ceramic			
	12/39, RAMM: 12/40, RAMM: 12/41,	building material, worked			
	RAMM: 12/31, RAMM: 12/48, RAMM: 14/38	stone, clay tobacco pipe, metal objects			
Paper	Royal Albert Memorial Museum,	Context sheets, Trench			
·	accession no's RAMM: 12/38, RAMM:	recording sheets,			
	12/39, RAMM: 12/40, RAMM: 12/41,	permatrace drawings			
	RAMM: 12/31, RAMM: 12/48, RAMM:				
	14/38				
Digital	Royal Albert Memorial Museum,	Digital photos, GPS			
	accession no's RAMM: 12/38, RAMM:	survey			
	12/39, RAMM: 12/40, RAMM: 12/41,				
	RAMM: 12/31, RAMM: 12/48, RAMM:				

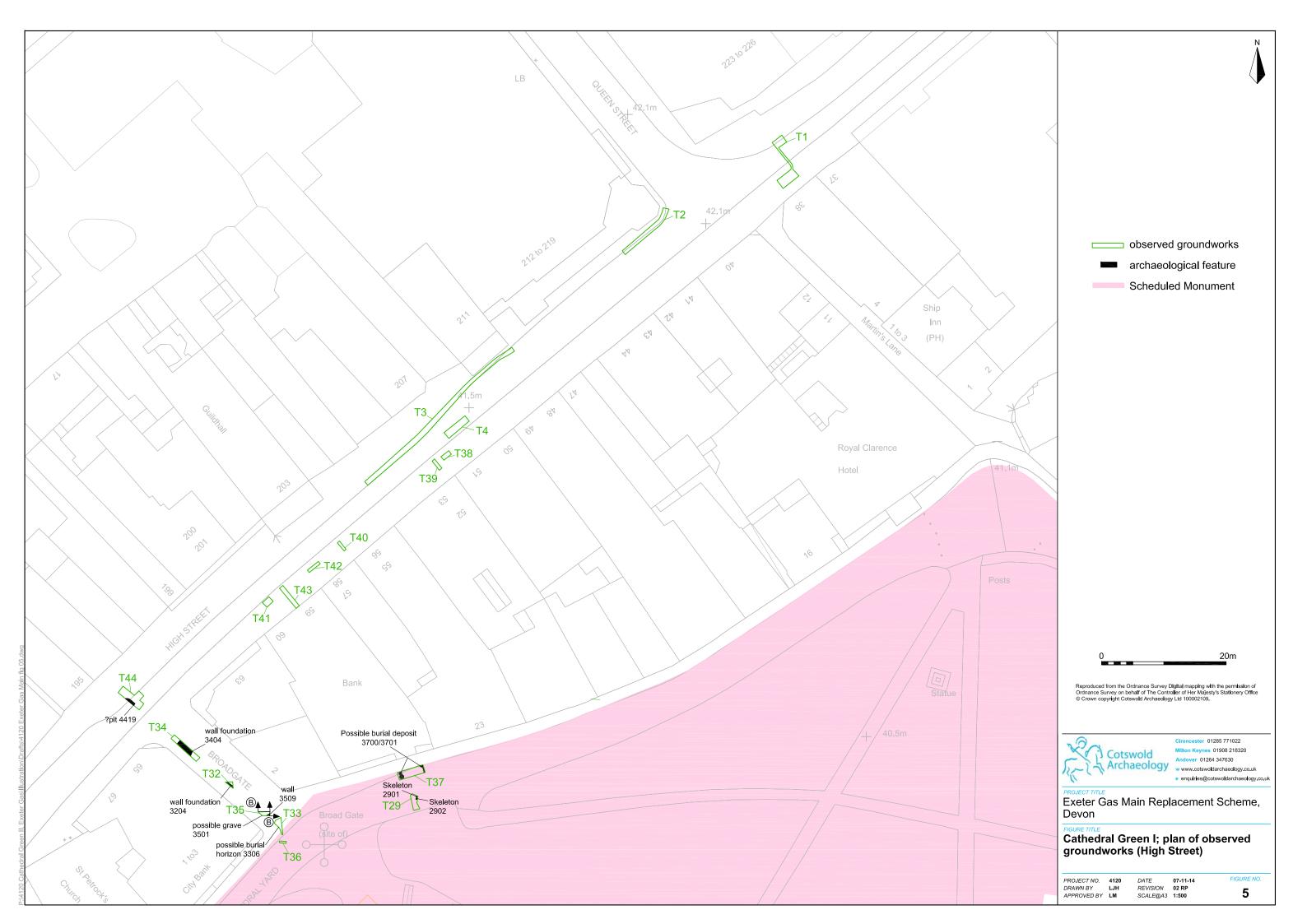
	14/38	
BIBLIOGRAPHY		
CA (Cotswold Archaeology) 2014 Wales an typescript report <b>14280</b>	d West Utilities Ltd. Gas Main Replacemer	nt Programme, Exeter. CA

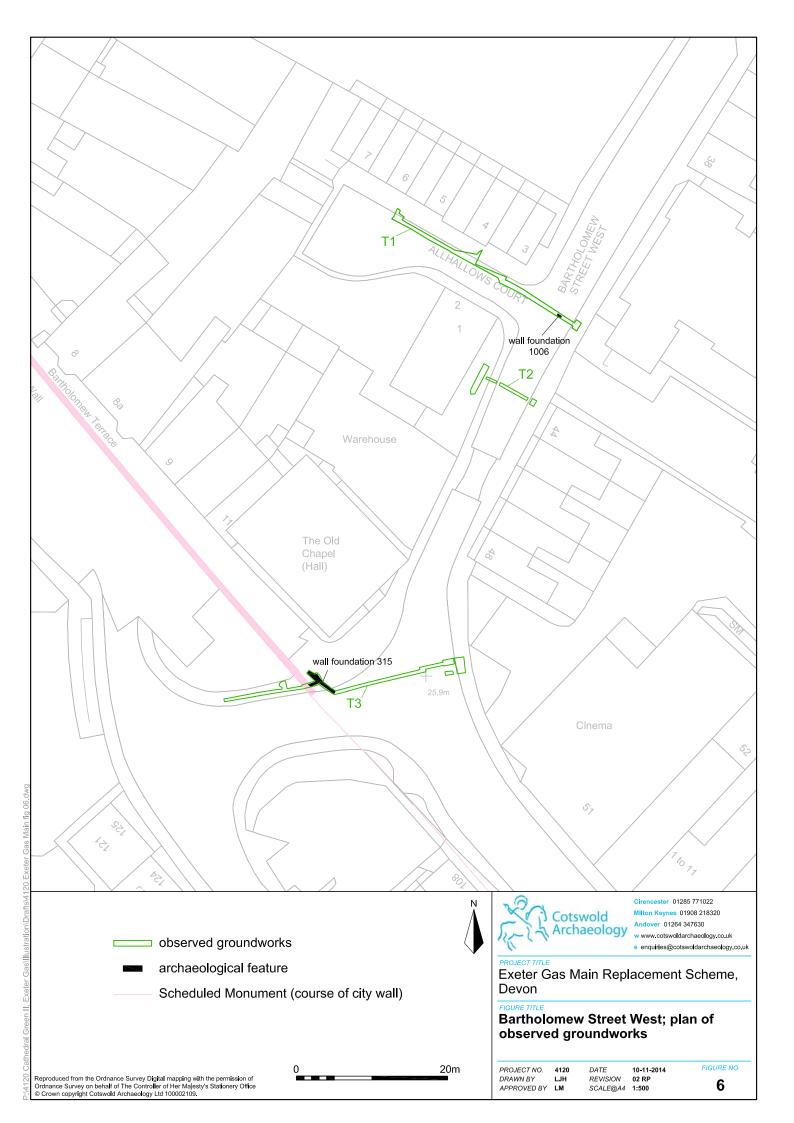




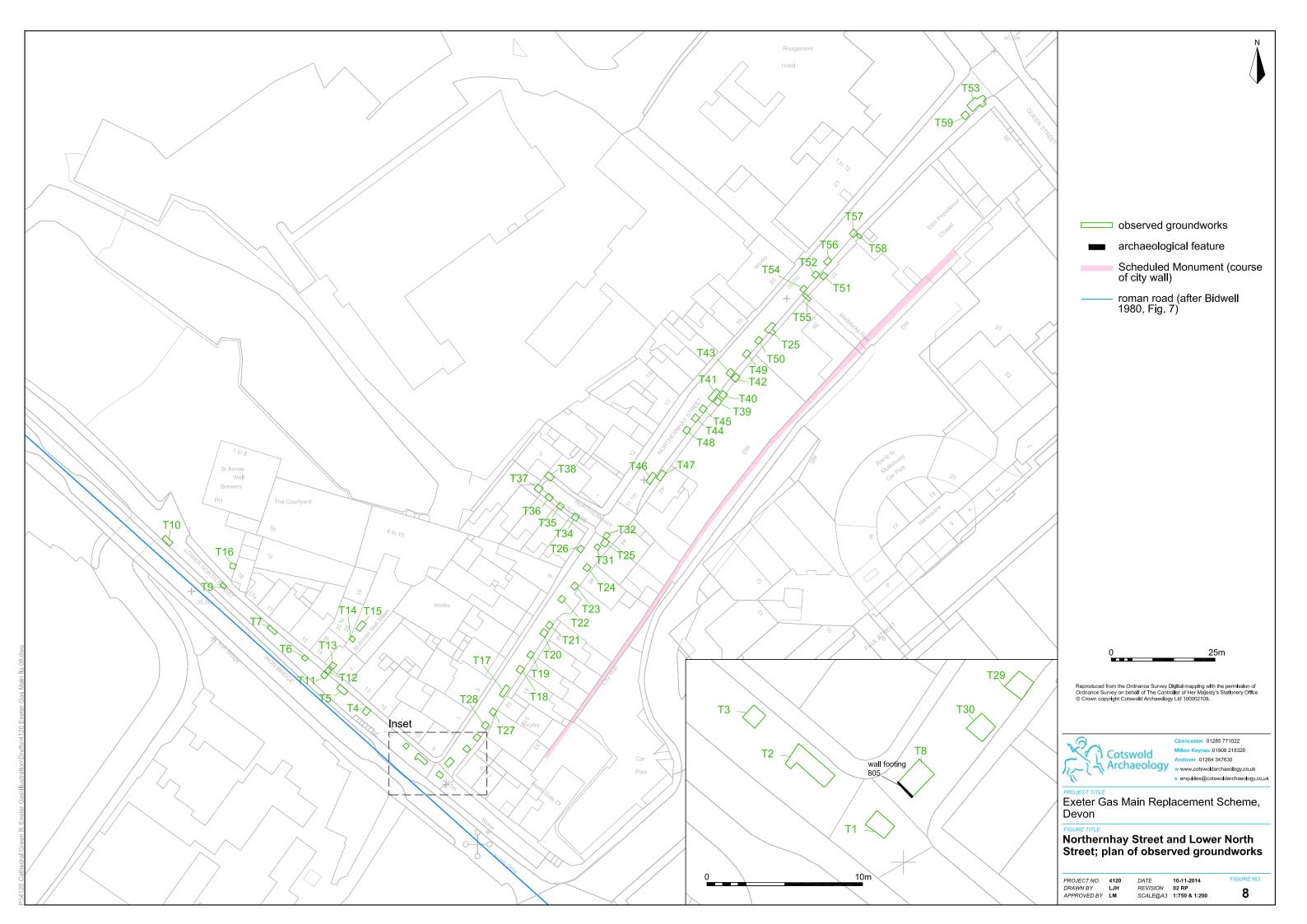




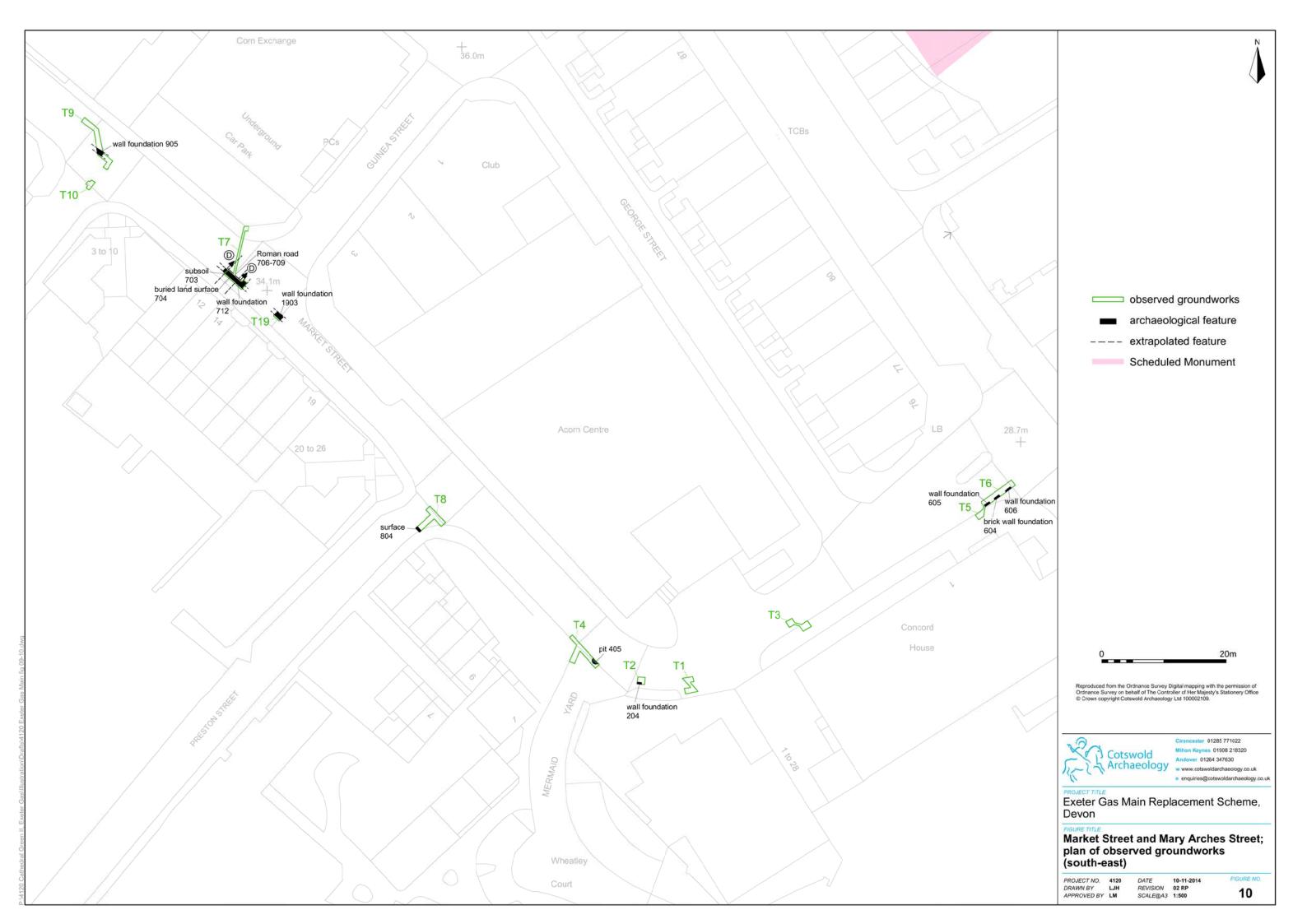


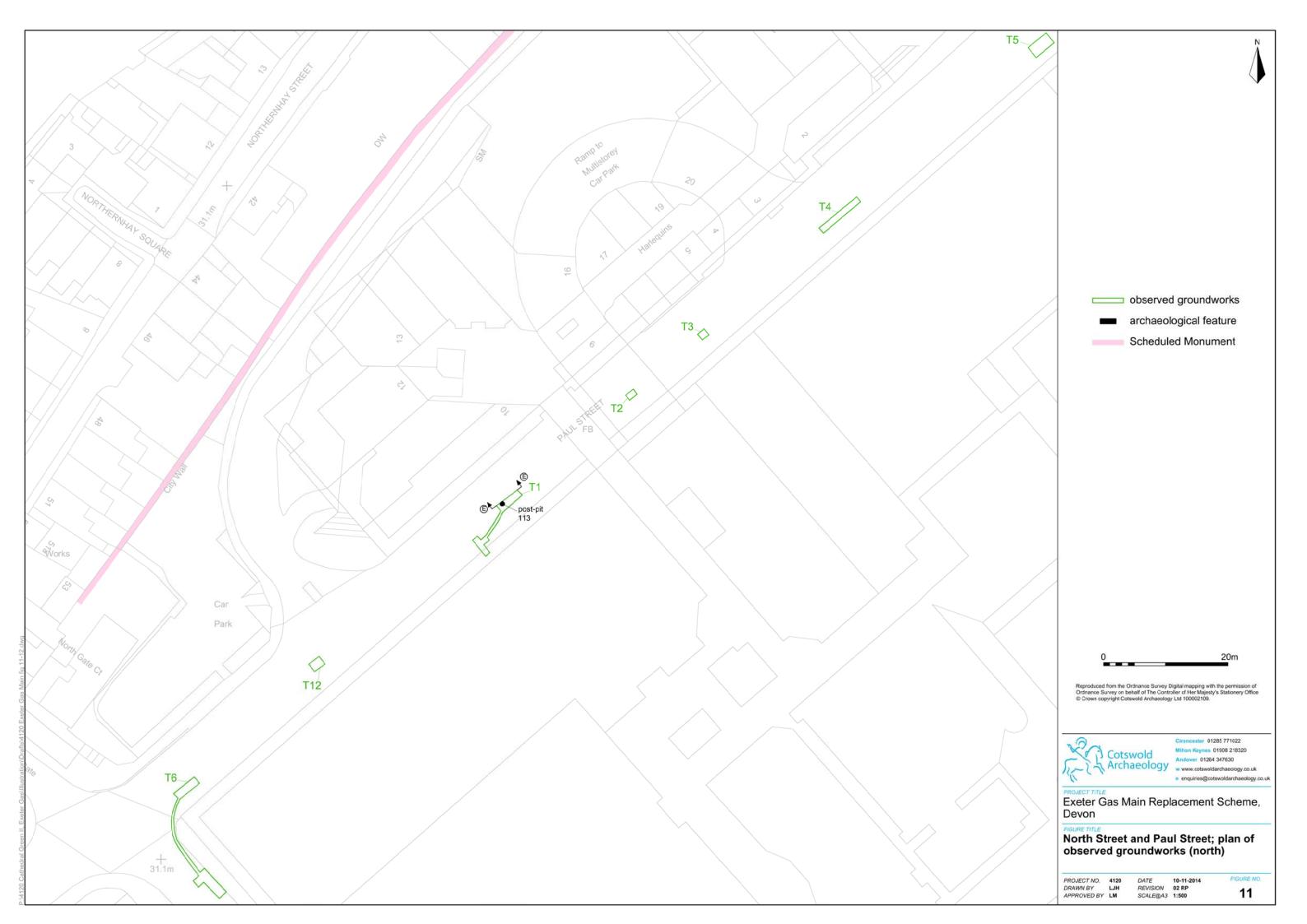




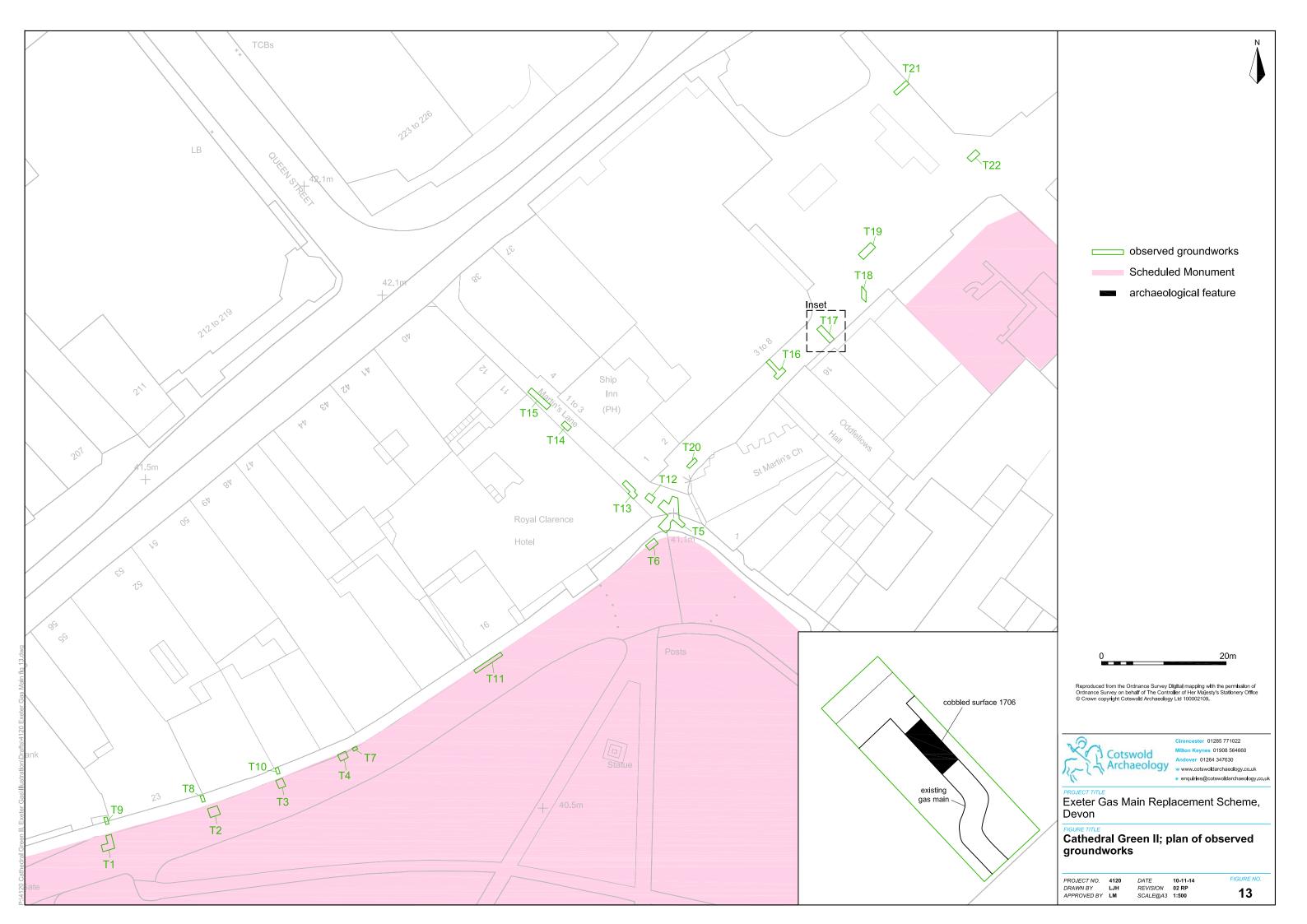




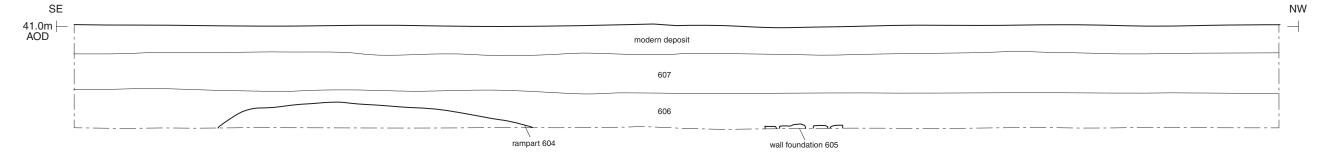




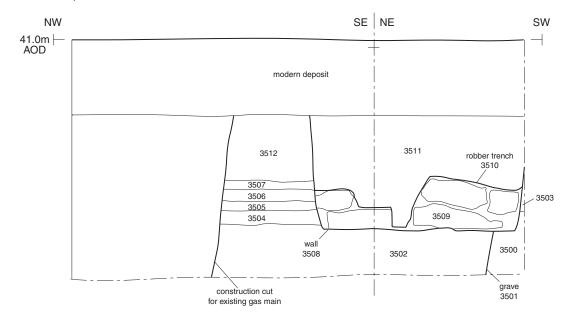




Trench 6, Section AA



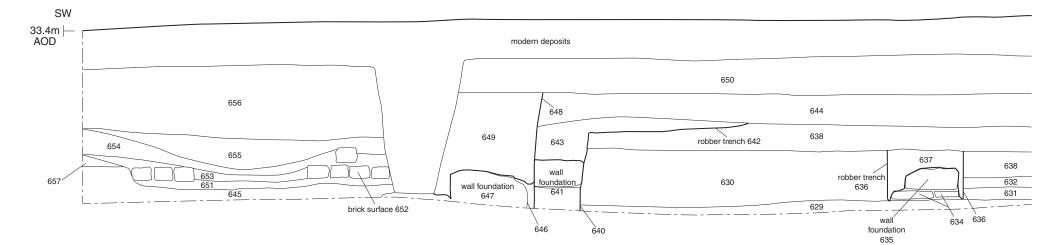
Trench 35, Section BB

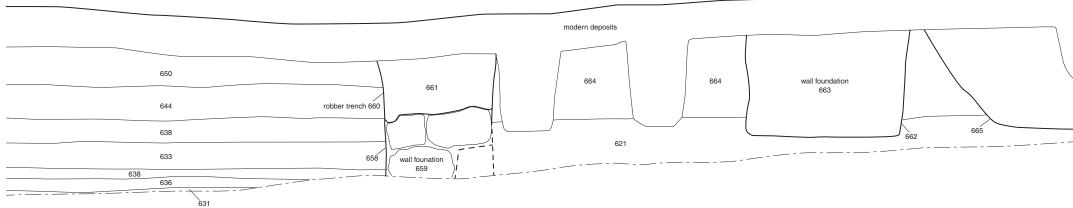


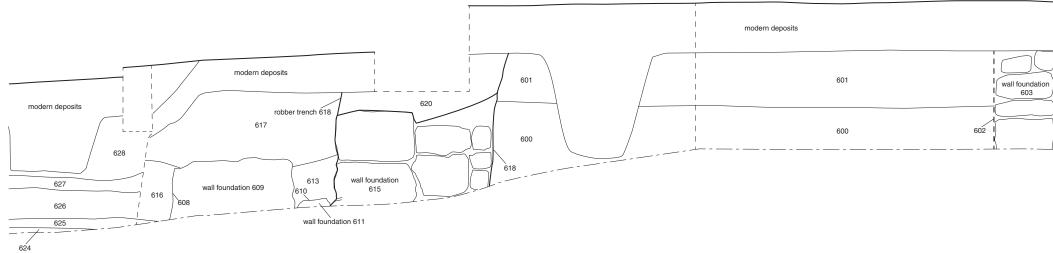


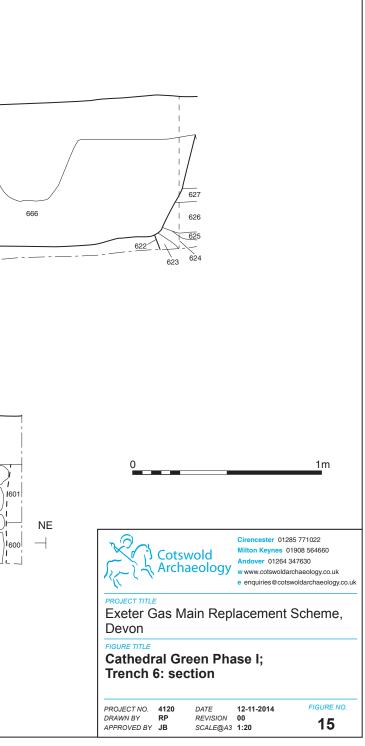


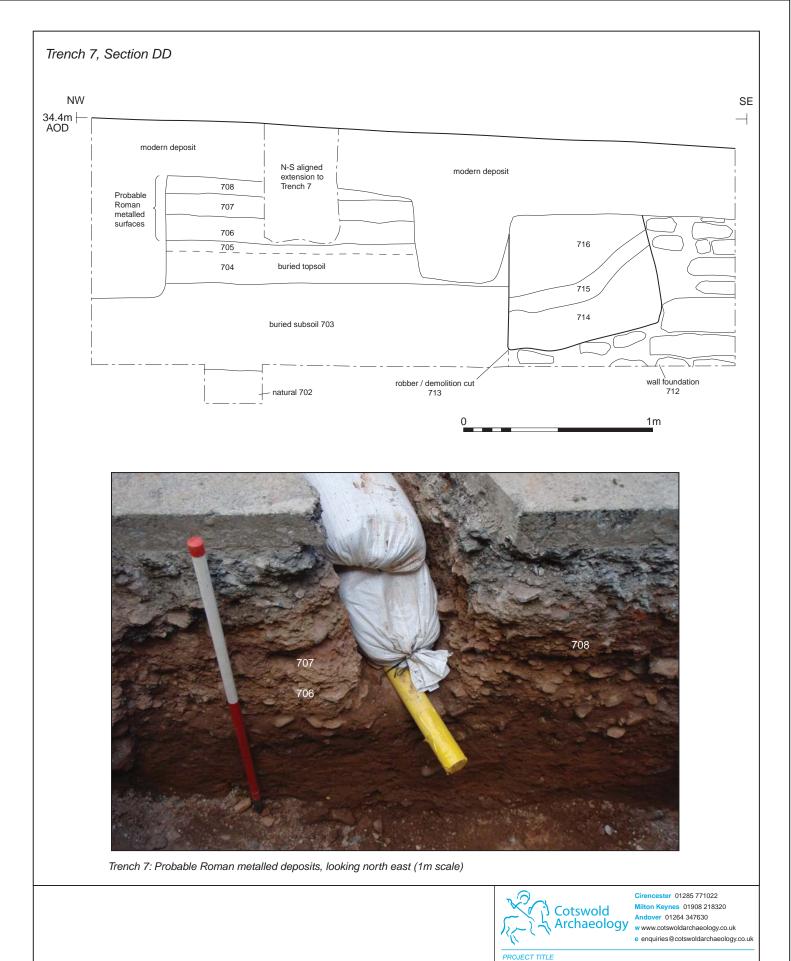
Trench 6, Section CC











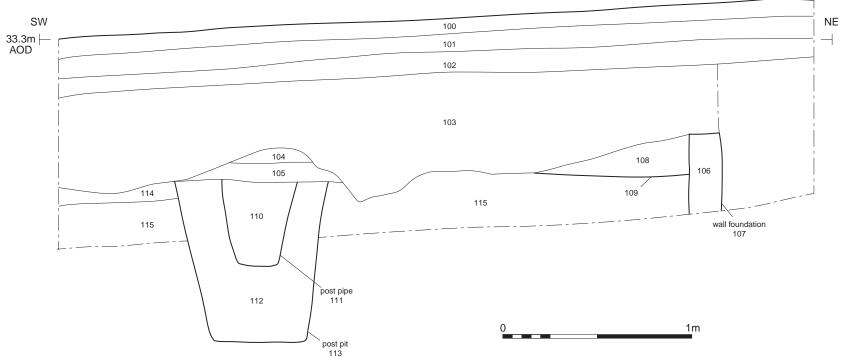
Exeter	Gas	Main	Replacement,	Devon

#### FIGURE TITLE

Market Street and Mary Arches Street; Trench 7: section and photograph

PROJECT NO.	4120	DATE	10-11-2014	FIGURE NO.
DRAWN BY APPROVED BY	LJH LM	REVISION SCALE@A4	• • • • •	16

Trench 1, Section EE





PROJECT TITLE Exeter Gas Main Replacement Scheme, Devon

FIGURE TITLE North Street and Paul Street; Trench 1: section

PROJECT NO. 4120 DRAWN BY LJH APPROVED BY LM

 DATE
 10-11-2014

 REVISION
 01 RP

 SCALE@A3
 1:20

FIGURE NO. 17