

Archaeological Impact Assessment

In support of an application
for a docking station on the
carriageway adjacent to:

**Public Conveniences and Smithfield Car Park
West Smithfield, EC1A**

Reference Number: 00/610007
Status: FINAL
Date: 27 May 2009





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EXECUTIVE SUMMARY

This Archaeological Impact Assessment is provided in support of a full planning application for the installation of a Cycle Hire docking station on the carriageway adjacent to the Public Conveniences and Smithfield Car Park at West Smithfield, City of London.

The general principles of the docking station design have been developed in consultation with the boroughs, Royal Parks and other key stakeholders. Pre-application advice has been sought from the Senior Planning and Archaeology Officer at City of London. This Assessment includes an appraisal of the recorded archaeological remains in the area and the extent to which the docking station would impact on any significant archaeological remains. The groundworks for the docking station will not penetrate deeper than 450mm below the current ground surface.

It is proposed that an archaeological site investigation be undertaken at an early stage of the construction process to ascertain if there are any archaeological remains on the Site. If archaeological remains are identified all groundworks will be undertaken archaeologically and by hand. A written scheme of investigation is appended.

1 INTRODUCTION

1.1 Statement Overview

Cycling within London has experienced rapid growth. It is estimated that there has been a 91 percent increase in the number of cycling trips within London since the year 2000 with around 500,000 cycle trips currently taking place every day. In 2006/07 cycling accounted for 1.6 percent of all modal trips in London and 3.7 percent of all journeys to work within inner London. The Mayor's aspiration is to increase the modal proportion of cycling trips within London to 5 percent and more generally, improve conditions for cyclists. The Mayor has set Transport for London (TfL) a target to increase cycle trips by 400 percent by 2025.

To help achieve this growth TfL has been tasked with implementing the Cycle Hire Scheme within central London by May 2010. The Scheme will deliver around 6,000 bicycles across approximately 400 sites.

The Scheme will allow people to hire a bicycle from a docking station, use it as desired and return it to either the same or another docking station. To ensure the adequate availability of docking points and bicycles for those hiring and returning bicycles, approximately 10,200 docking points at around 400 sites at a density of approximately nine sites per square kilometre are required.

The Scheme has been developed in collaboration with the Royal Parks and the following nine London Boroughs:

- London Borough of Camden;
- London Borough of Hackney;
- London Borough of Islington;
- Royal Borough of Kensington and Chelsea;
- London Borough of Lambeth;
- City of London;
- London Borough of Southwark;
- London Borough of Tower Hamlets; and
- City of Westminster.

1.2 Purpose of the Document

TfL are applying for full planning permission for a Cycle Hire docking station, comprising a terminal and maximum of 28 docking points at West Smithfield in the City of London.

Following discussions with the Senior Planning and Archaeology Officer at the City of London, this Site has been identified as requiring further archaeological intervention.

The document

- describes the archaeological background to the area;
- describes the proposal;
- assesses the likely impact of the scheme on the basis of the available information; and
- provides a written scheme of investigation for further archaeological intervention.

1.3 Methodology

A list of cultural heritage sites has been compiled (Appendix 1) through consultation carried out by Hyder Consulting in April 2009.

The Assessment draws together the available archaeological, topographic and land-use information to clarify the archaeological potential of the Site.

The Assessment comprises of an examination of evidence in the Greater London Sites and Monuments Record (SMR). It considers the results of nearby archaeological investigations, incorporates published and unpublished material and charts historic land-use through examination of any readily available historic maps.

Clearly, any information on the depth of overburden for the archaeological assets would be a key consideration in determining whether the construction of the docking station would be likely to impact on archaeology. Detailed discussions to establish the nature of the archaeological potential have been undertaken with Ms Kathryn Stubbs, the Senior Planning and Archaeology Officer at City of London and Ms Gill King, who has undertaken a number of archaeological fieldwork interventions in the immediate area.

2 ANALYSIS OF ARCHAEOLOGICAL S BACKGROUND

2.1 Scheduled Ancient Monuments (SAMs)

There are no SAMs on the Site although the Priory of St Bartholomew lies to the east and is scheduled there will be no effect on its setting since the area is already a modern developed streetscape.

2.2 Greater London Archaeology Advisory Service

Archaeological Advisor

Ms Kathryn Stubbs has commented on the archaeological implications of the development.


Ms Stubbs identified the Site as being in an area of general archaeological potential.

Greater London Sites and Monuments Record (SMR) and unpublished archaeological sources

The SMR identifies a number of assets within 50m of the Site and these are listed in Appendix 1 and discussed in the following paragraphs

A watching brief was undertaken at Streetscape West Smithfield in 2004 which located a pit filled with well preserved organic remains including early 16th century leather shoes (MLO 78409). The proposed docking station will be on the opposite side of the road from the church of St Bartholomew the Great and St Bartholomew's Hospital. These were once part of one foundation the Priory and Hospital of St Bartholomew, founded in 1123 and dissolved in 1523.

Remains of medieval date discovered in the vicinity have tended to be at some depth and these are not expected in the maximum 450mm to which the proposed works may penetrate.



Given the historic maps evidence (see 2.3 below) and the considerable subterranean development associated with the meat market it seems unlikely that any early remains will survive within the maximum 450mm to which the proposed works may penetrate but it is conceivable the upper strata of post-medieval features may survive.

2.3 Historic Maps

The Agas map (1560-70) shows the area of the Site as open fields and so it appears on Rocque's 1746 map although there are sheep pens to the northwest. There are also pens shown on Stanford's map of 1862.

The area was re-developed for uses associated with the meat market in the latter part of the 19th and in the 20th centuries.

3 THE PROPOSALS AND THEIR POTENTIAL IMPACT

3.1 Site Description

The docking station site currently comprises the existing motorcycle bay which is adjacent to the Public Conveniences at on the south eastern side of West Smithfield on the opposite side of the road from St Bartholomew's Hospital. A cobbled ramp spirals down through part of the park to give access to former railway tunnels and basements.

Please refer to the Planning Design and Access Statement (PDAS) for further information.

3.2 Docking Station

The development comprises terminal and maximum of 28 docking points. The foundations would be no deeper than 450mm below the current ground level. The form that the foundations will take has not been finalised. Further information regarding the docking station can be found in the PDAS.

3.3 The Potential Impact

The Site lies in an area which was open fields until the 19th century (although there may have been some quarrying whose backfill has left deposits such as that mentioned identified in 2.2 above). It is possible that the works for the foundations may reveal the upper strata of such deposits or evidence for the construction of the structures beneath West Smithfield. Such deposits are not likely to be earlier than post-medieval.

4 CONCLUSIONS

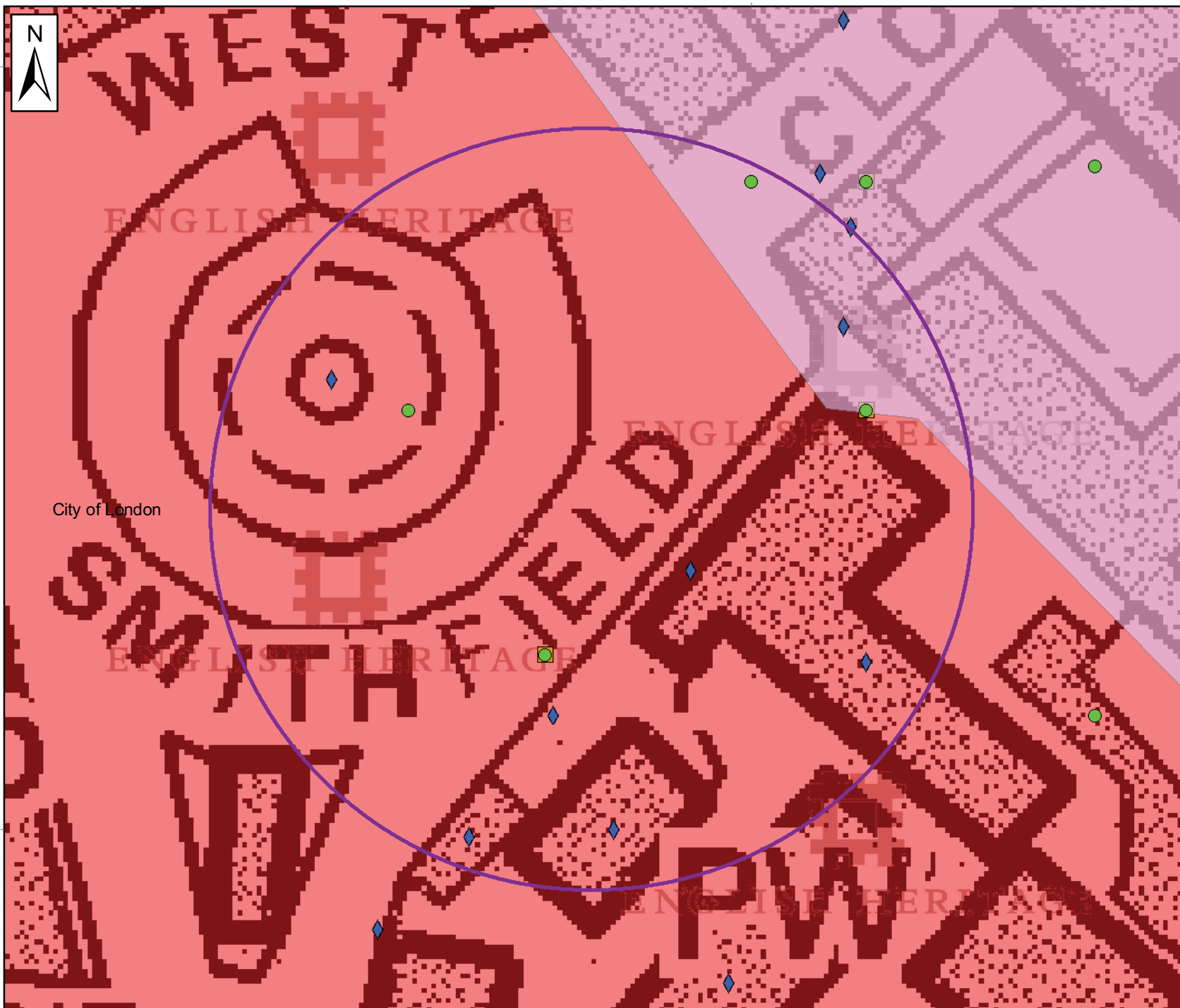
This Assessment has revealed that there is potential for significant archaeological remains on West Smithfield, City of London.

On the precautionary principle, it seems sensible to investigate the Site in case significant archaeological remains exist and, if they do, undertake all the groundworks archaeologically by hand. A method statement for this investigation is attached in Appendix 2. If initial investigation fails to reveal any significant archaeological remains, there will be no need for further archaeological intervention.



Appendix 1

Consultation response from the Greater London Archaeology Service Sites and Monuments Record.



GLSMR Report 8259
Cycle Hire Scheme
West Smithfield
Opp St Bartholomew's Hospital
TQ 31879 81642
50m radius search

Print Date: 20 May 2009

-  Archaeology
-  Archaeological Find Spot
-  Building
-  Listed Building
-  Maritime Archaeology
-  Registered Parks & Gardens
-  Archaeological Priority Area
-  Scheduled Ancient Monuments
-  World Heritage Sites
-  Event Location (Archaeology)
-  Requested Search Area

Scale: 1:700

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Notes:
Any Listed Building information shown on this map extract is provided solely to indicate the location of the listed building(s) and does not attempt to indicate the curtilage or the full extent of the listing(s).
Any archaeological priority area(s) shown on this map extract are those used by the English Heritage archaeology advisors and there may be minor differences when compared to the relevant borough UDP or LDF.



ENGLISH HERITAGE
Tel: 020 7973 3000
www.english-heritage.org.uk

Contact: Stuart Cakebread
Direct Dial: 020 7973 3731
Date: 20/05/2009

Greater London Sites and Monuments Record - Search Report

Enquiry: Report 8259 Cycle Hire Scheme West Smithfield Opp St Bartholomew's Hospital TQ 31879 81642 50m radius search

Thank you for your enquiry to the GLSMR. Please find below all records held on the GLSMR database within the area specified in your request. Please note that there is a backlog of listed buildings and archaeological reports awaiting entry into the system and we cannot guarantee that the information supplied is fully up to date.

*** GLSMR NEWS ***

3-Aug-2006 *Record Sort Order Changed*

The records within the SMR search report are now sorted by 'Name' (and then by 'MonUID') rather than 'MonUID' as this should display multiple records for a single site together in the indexes and report. However, many site names begin with numbers from the address and so records from same street will not necessarily appear together. All new records added to the GLSMR, and those altered during data rationalisation and other projects, are being named with the street name before the number (for example The Street (No. 1), London) so that in future results from the same street will appear together.

31-July-2006 *Full Address Data Added*

The HTML report and XML data file have been altered to include the full address which was previously missing.

25-Jan-2006 *Listed Building Data and Designations Updated*

All of the Listed Buildings entries within the GLSMR have been updated using the latest dataset from the National Monuments Record and the GLSMR search report (the document you are reading now) has been updated to display the full designation description for the listed buildings encountered within your search area.

*** END ***

NOTE: Please ensure you read this document from a saved version and not directly from the e-mail as this may cause problems with the displayed data and hyperlinks.

If you have any further enquiries, or if you have any problems interpreting the data, please do not hesitate to contact us.

Yours Sincerely,

The Greater London SMR Team

Greater London Archaeology Advisory Service
English Heritage - London Region
1 Waterhouse Square, 138-142 Holborn, London EC1N 2ST
smr@english-heritage.org.uk

Note: Commercial SMR search requests are charged at a cost of 35 pounds plus VAT each and collected via invoice

Monument Index:

(Click on the MonUID to view full details for each record)

Archaeology

MonUID	Pref. Ref.	Name	Monument Types	Date Range
MLO68795	044609/00/00	58-59 WEST SMITHFIELD	STRUCTURE	Unknown (Unknown)
MLO78409	MLO78409	Streetscape, West Smithfield, EC1	PIT	Post Medieval (1540 AD to 1900 AD)
MLO7915	040275/00/00	WEST SMITHFIELD EC1 NEAR ST BARTHOLOMEWS HOSPITAL	CREMATION	Roman (43 AD to 409 AD)
MLO7916	040276/00/00	WEST SMITHFIELD EC1 JUNCTION WITH	CREMATION	Roman (43 AD to 409 AD)

Listed Buildings

MonUID	Pref. Ref.	Name	Monument Types	Date Range
MLO81853	MLO81853	CHURCH OF ST BARTHOLOMEW THE LESS, ST BARTHOLOMEW'S HOSPITAL	ANGLICAN CHURCH, CHURCH, CHURCH, ANGLICAN CHURCH, ANGLICAN CHURCH, ANGLICAN CHURCH, COMMEMORATIVE MONUMENT, COMMEMORATIVE MONUMENT, COMMEMORATIVE MONUMENT, HOSPITAL, CHAPEL, ANGLICAN CHURCH, COMMEMORATIVE BRASS, COMMEMORATIVE BRASS	Medieval to Modern (1400 AD to 1999 AD)
MLO82092	MLO82092	DRINKING FOUNTAIN IN CENTRE OF GARDENS	DRINKING FOUNTAIN	19th Century (1873 AD)
MLO82089	MLO82089	GATEHOUSE TO CHURCH OF ST BARTHOLOMEW THE GREAT	GATEHOUSE, GATEHOUSE, GATEHOUSE, TIMBER FRAMED BUILDING	Medieval to Modern (1200 AD to 1932 AD)
MLO78551	MLO78551	MEMORIAL TO SIR WILLIAM WALLACE AND MARTYRS MEMORIAL, ST BARTHOLOMEW'S HOSPITAL	WALL MONUMENT	Unknown (Unknown)
MLO81852	MLO81852	NORTH EAST BLOCK WITH ATTACHED BUILDINGS, ST BARTHOLOMEW'S HOSPITAL	HOSPITAL, HOSPITAL	18th Century (1791 AD)
MLO82090	MLO82090	SCREEN WALL AND COLONNADE, ST BARTHOLOMEW'S HOSPITAL	WALL, COLONNADE, GRILLE	17th Century to 18th Century (1700 AD to 1799 AD)
MLO81742	MLO81742	THE GATEHOUSE, ST BARTHOLOMEW'S HOSPITAL	GATEHOUSE, ARCH, GATE, STATUE	18th Century to 19th Century (1702 AD to 1832 AD)

Maritime

MonUID	Pref. Ref.	Name	Monument Types	Date Range
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Other

MonUID	Pref. Ref.	Name	Monument Types	Date Range
MLO99173	MLO99173	Area Between Long Lane, Little Britain, Montague Street, Aldersgate Street {precinct of Priory of St	PRECINCT	Medieval (1123 AD to 1539 AD)

Bartholomew}

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Event Index:

<i>Event ID</i>	<i>Event Name</i>	<i>Event Description</i>
ELO4569	58-59 WEST SMITHFIELD	There is no description for this event Location: Centroid TQ 3191 8165 (MBR: 10m by 10m)
Associated Monuments		
MLO68795	- 58-59 WEST SMITHFIELD - [Unknown (Unknown)]	
<i>Event ID</i>	<i>Event Name</i>	<i>Event Description</i>
Not Applicable	No Associated Event	Location: not specified
Associated Monuments		
MLO78551	- MEMORIAL TO SIR WILLIAM WALLACE AND MARTYRS MEMORIAL, ST BARTHOLOMEW'S HOSPITAL - [Unknown (Unknown)]	
MLO7915	- WEST SMITHFIELD EC1 NEAR ST BARTHOLOMEWS HOSPITAL - [Roman (43 AD to 409 AD)]	
MLO7916	- WEST SMITHFIELD EC1 JUNCTION WITH - [Roman (43 AD to 409 AD)]	
MLO81742	- THE GATEHOUSE, ST BARTHOLOMEW'S HOSPITAL - [18th Century to 19th Century (1702 AD to 1832 AD)]	
MLO81852	- NORTH EAST BLOCK WITH ATTACHED BUILDINGS, ST BARTHOLOMEW'S HOSPITAL - [18th Century (1791 AD)]	
MLO81853	- CHURCH OF ST BARTHOLOMEW THE LESS, ST BARTHOLOMEW'S HOSPITAL - [Medieval to Modern (1400 AD to 1999 AD)]	
MLO82089	- GATEHOUSE TO CHURCH OF ST BARTHOLOMEW THE GREAT - [Medieval to Modern (1200 AD to 1932 AD)]	
MLO82090	- SCREEN WALL AND COLONNADE, ST BARTHOLOMEW'S HOSPITAL - [17th Century to 18th Century (1700 AD to 1799 AD)]	
MLO82092	- DRINKING FOUNTAIN IN CENTRE OF GARDENS - [19th Century (1873 AD)]	
MLO99173	- Area Between Long Lane, Little Britain, Montague Street, Aldersgate Street {precinct of Priory of St Bartholomew} - [Medieval (1123 AD to 1539 AD)]	
<i>Event ID</i>	<i>Event Name</i>	<i>Event Description</i>
ELO6369	Streetscape, West Smithfield EC1	An archaeological watching brief carried out by R.Nielsen on behalf of MoLAS between the 30th June and 12th July 2004. Updated by: S.Ellwood (6th Jan 2006) Location: TQ 31873 81623 (point)
Associated Monuments		
MLO78409	- Streetscape, West Smithfield, EC1 - [Post Medieval (1540 AD to 1900 AD)]	

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Record Details - Archaeology:

Start of record

MonUID	MLO68795
Monument Type	Archaeology
Preferred Ref.	044609/00/00
Name	58-59 WEST SMITHFIELD
Map Sheet	TQ38SW
Grid References	Centre Point: Centroid TQ 3191 8165 (MBR: 10m by 10m)
Summary	
Description	L Howe for DUA; site code: SMT91. A deep cut feature was recorded but not dated. No further periods recorded under this site code.

Sources

Number	Reference
SLO66314	Unpublished document: SCHOFIELD, J.. DUA ARCHIVE GUIDE - DRAFT, SITE CODE: SMT91,

Location

Administrative Area

- [Borough] CITY OF LONDON

Address

- 58-59 WEST SMITHFIELD

Monument/Component Types

- STRUCTURE (Unknown date)

Find Types

Designations

Type/Grade	Reference/Title	Description
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Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	044609/00/00
Site Code	SMT91

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
ELO4569	58-59 WEST SMITHFIELD	There is no description for this event

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End of record

[Export generated by HBSMR from exeGesIS SDM](#)

Start of record

MonUID	MLO78409
Monument Type	Archaeology
Preferred Ref.	MLO78409
Name	Streetscape, West Smithfield, EC1
Map Sheet	TQ38SW
Grid References	Centre Point: TQ 31873 81623 (point) (Centred on)
Summary	An archaeological watching brief carried out by R.Nielsen on behalf of MoLAS between the 30th June and 12th July 2004. Created by: S.Ellwood (6th Jan 2006)
Description	An archaeological watching brief carried out by R.Nielsen on behalf of Museum of London Archaeology Service between the 30th June and 12th July 2004. A 4.80m deep pit with well preserved organic fills was found. Finds included 6 incomplete early 16th century 'cowmouth' shaped shoes. This feature was probably excavated for gravel extraction during an early 16th century building phase at St. Bartholomew's hospital. * Natural sands and gravels were encountered at approx. 14.30m OD *

Sources

Number	Reference
SLO77700	Unpublished document: N.Constantine. 2005. Streetscape, West Smithfield, EC1: An archaeological watching brief report,

Location**Administrative Area**

- [Borough] CITY OF LONDON

Address

- Streetscape, West Smithfield, London, EC1

Monument/Component Types

- PIT (Post Medieval - 1540 AD to 1900 AD)

Find Types

- SHOE (Post Medieval - 1540 AD to 1900 AD)

Designations

Type/Grade	Reference/Title	Description
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Other Statuses and References

Type/Grade	Reference/Title
LAG number (GLAAS Ref)	07/412
Site Code	SFF04
Sites & Monuments Record	MLO78409

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
ELO6369	Streetscape, West Smithfield EC1	An archaeological watching brief carried out by R.Nielsen on behalf of MoLAS between the 30th June and 12th July 2004. Updated by: ...

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End of record

Export generated by HBSMR from exeGesIS SDM

Start of record

MonUID	MLO7915
Monument Type	Archaeology
Preferred Ref.	040275/00/00
Name	WEST SMITHFIELD EC1 NEAR ST BA RTHOLOMEWS HOSPITAL
Map Sheet	TQ38SW
Grid References	Centre Point: Centroid TQ 3185 8165 (MBR: 10m by 10m)
Summary Description	3 URNS,RECOVERED 1865,CONTAINING BURNT BONES.DATED C2ND,LATE 2ND-EARLY 3RD & LATE 3RD (G MARSH).THESE DATES DIFFER, ALONG WITH THEIR LOCATION, FROM THOSE PUBLISHED IN BENTLEY & PRITCHARD, 1982. IDENTIFICATION OF GM 2818 & 2821 POSSIBLY CONFUSED. JW BAILY (1872) STATES THEIR LOCATION AS SMITHFIELD, (SEE040277).

Sources

Number	Reference
SLO11982	Artifact: CREMATION URNS, ACC NOS 2818,2821,2822,
SLO11983	Article in monograph: GUILDHALL MUSEUM. CATALOGUE, P 84 NOS 119,122,123,
SLO11984	Article in monograph: RCHME. ROMAN LONDON, LONDON VOL 3, P 161;FIG 66 NO 40 & P 163;FIG 66 NO 41,
SLO11985	Article in monograph: BENTLEY D & PRITCHARD F. THE ROMAN CEMERY AT ST BARTHOLOMEWS HOSPITAL, LAMAST VOL 33, P 134-172,

Location**Administrative Area**

- [Borough] CITY OF LONDON

Address

- WEST SMITHFIELD EC1 NEAR ST BA RTHOLOMEWS HOSPITAL

Monument/Component Types

- CREMATION (Roman - 43 AD to 409 AD)

Find Types**Designations**

Type/Grade	Reference/Title	Description
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Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	040275/00/00

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
Not Applicable	No Associated Event	

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End of record

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Start of record

MonUID	MLO7916
Monument Type	Archaeology
Preferred Ref.	040276/00/00
Name	WEST SMITHFIELDEC1 JUNCTION WITH
Map Sheet	TQ38SW
Grid References	Centre Point: Centroid TQ 3190 8168 (MBR: 10m by 10m)
Summary	
Description	URN CONTAINING BURNT BONES (SIZE SUGGESTED CHILD/YOUTH).IN 1843 IN COLLECTION OF WD SAULL.

Sources

Number	Reference
SLO11986	Article in monograph: PRICE JE. ROMAN INTERMENT IN WEST SMITHFIELD, LAMAST VOL 3, P 37,
SLO11987	Article in monograph: SUMMARY, GENT PT 1, P 520,
SLO11988	Article in monograph: BENTLEY D & PRITCHARD F. THE ROMAN CEMETERY AT ST BARTHOLOMEWS HOSPITAL, LAMAST VOL 33, PP 134-172,
SLO11989	Article in monograph: RCHME. ROMAN LONDON, LONDON VOL 3, P 163,

Location**Administrative Area**

- [Borough] CITY OF LONDON

Address

- CLOTH FAIREC1

- WEST SMITHFIELDEC1 JUNCTION WITH

Monument/Component Types

- CREMATION (Roman - 43 AD to 409 AD)

Find Types**Designations**

Type/Grade	Reference/Title	Description
-------------------	------------------------	--------------------

Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	040276/00/00

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
Not Applicable	No Associated Event	

Return to [Top of page](#)**End of record**[Export generated by HBSMR from exeGesIS SDM](#)

Record Details - Listed Buildings:

Start of record

MonUID	MLO81853
Monument Type	Listed Building
Preferred Ref.	MLO81853
Name	CHURCH OF ST BARTHOLOMEW THE LESS, ST BARTHOLOMEW'S HOSPITAL
Map Sheet	TQ38SW
Grid References	Centre Point: TQ 31882 81600 (point)
Summary	Record created from imported Listed Buildings On-line dataset 11-Jan-2006; see linked Designation record for full details

Description

Sources

Number	Reference
--------	-----------

Location

Administrative Area

- [Borough] CITY OF LONDON

Address

- St. Bartholomews Hospital West Smithfield, London, EC1A 7BE

Monument/Component Types

- CHURCH (Unknown to Medieval)
- CHURCH (Medieval to 15th Century - 1400 AD to 1499 AD)
- COMMEMORATIVE BRASS (Medieval to Modern - 1400 AD to 1999 AD)
- COMMEMORATIVE MONUMENT (Medieval to Modern - 1400 AD to 1999 AD)
- COMMEMORATIVE BRASS (15th Century - 1439 AD)
- ANGLICAN CHURCH (Post Medieval to Unknown - 1540 AD)
- CHAPEL (18th Century to Unknown - 1730 AD)
- HOSPITAL (18th Century to Unknown - 1730 AD)
- COMMEMORATIVE MONUMENT (18th Century - 1784 AD)
- ANGLICAN CHURCH (18th Century - 1789 AD to 1791 AD)
- COMMEMORATIVE MONUMENT (18th Century - 1800 AD)
- ANGLICAN CHURCH (19th Century - 1823 AD to 1825 AD)
- ANGLICAN CHURCH (19th Century - 1862 AD to 1863 AD)
- ANGLICAN CHURCH (19th Century to Modern - 1900 AD to 1999 AD)

Find Types

Designations

Type/Grade	Reference/Title	Description
Listed Building (II*)	199825 CHURCH OF ST BARTHOLOMEW THE LESS, ST BARTHOLOMEW'S HOSPITAL	In the entry for: WEST SMITHFIELD EC1 1. 5002 St Bartholomew's Hospital TQ 3181 NE 2/24 4.1.50 Church of St Bartholomew the Less B the Grade shall be amended to read Grade II* (star) and the description shall be amended to read as follows: Anglican church and hospital chapel. C15 south-west tower; late medieval brick walling and some masonry, possibly of an earlier date, to north-west vestry. The octagonal nave, which is built from brick, stone and cast-iron, dates to 1823-5, its architect being Thomas Hardwick, then Hospital Surveyor, who was reproducing George Dance's octagonal nave of 1789-91; the builder was Peto. Five-sided chancel and window tracery added in an 1862-3 restoration by Philip Hardwick. Fittings added through the 1860s. Further restorations in the C20, particularly in 1950 to repair war damage; stained glass by Hugh Easton from this time. The post-medieval work in a Gothic Revival manner. Five-sided apse, pierced with lancets; shafts to rib vaulting; chancel arch and steps. Octagonal nave, with triangular areas on the diagonal axes; stellar vault with robust bosses. Geometric tracery of 1862-3 to clerestory windows on the diagonal axes of the octagonal drum; diaphragm arches to triangular areas below. Perpendicular tracery of two and three lights below, most with Y-shaped heads. Organ to west gallery; narthex to east of entrance of one bay. Encaustic tile paving, pews, some of which along walls, and altar rail, all of 1862-3; carved pulpit given by Philip Hardwick 1864. The floor of the main body of the church is approximately two-and-a-half feet above ground level, a peculiarity which has not been fully explained but which may indicate the presence of vaults. Chandeliers in a late C18 manner suspended from central boss and apex of diaphragm arches. Good collection of monuments and brasses of C15 to C20. Those of particular note: Brass in vestry to William Markeby (obit 1439) and his wife; memorial to John and Mary Darker, 1784, 1800, signed by J Binley. Aedicular monument to

Thomas Bodley in north-east corner. Octagonal Anglican churches are very rare; Dance adopted the plan in part as an expedient, fitting the piers into the roughly square area enclosed by the medieval nave and aisle walls. He may have been influenced by the dozen non-conformist octagonal churches built between 1761 and 1776. He used a similar plan for the rebuilding of Micheldever tower in Hampshire, 1806-8, again retaining the medieval tower at the west end. To judge from Dance's drawings, Hardwick was relatively faithful to the earlier designs but was compelled to replace the filling medieval walls retained by Dance with new construction. WEST SMITHFIELD EC1 5 St Bartholomew's Hospital Church of St Bartholomew the Less TQ 3181 NE 2/24 1.4.50. B 2. 1823-25, by T Hardwick, reconstruction of the church by G Dance (junior) of 1789. C15 tower of squared rubble with brick parapet, and entrance beneath. Body of church in Gothic style. Walls gently of old stone and red brick (in situ of reused) and partly of yellow brick with some rendering. Ashlar dressings. Interior formed as octagon with plaster vaulting. Roof construction said to be of iron. Monuments. Listing NGR: TQ3188281600

Other Statutes and References

Type/Grade	Reference/Title
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Associated Activities/Events

Event ID	Name/Ref
Not Applicable	No Associated Event

Brief Description (click Event ID for details)

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End of record

[Export generated by HBSMR from exeGesIS SDM](#)

Start of record

MonUID MLO82092
Monument Type Listed Building
Preferred Ref. MLO82092
Name DRINKING FOUNTAIN IN CENTRE OF GARDENS
Map Sheet TQ38SW
Grid References Centre Point: TQ 31845 81659 (point)
Summary Record created from imported Listed Buildings On-line dataset 11-Jan-2006; see linked Designation record for full details

Description**Sources**

Number	Reference
--------	-----------

Location**Administrative Area**

- [Borough] CITY OF LONDON

Address

- St. Bartholomews Hospital West Smithfield, London, EC1A 7BE

Monument/Component Types

- DRINKING FOUNTAIN (19th Century - 1873 AD)

Find Types**Designations**

Type/Grade	Reference/Title	Description
Listed Building (II)	199829 DRINKING FOUNTAIN IN CENTRE OF GARDENS	WEST SMITHFIELD EC1 1. 5002 Drinking Fountain in centre of gardens TQ 3181 NE 2/20 5.6.72. II 2. Bronze female figure by J B Philips, dated 1873, above multiple fountain of Portland stone and pink granite. Stepped base of York stone. Listing NGR: TQ3184581659

Other Statuses and References

Type/Grade	Reference/Title
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Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
Not Applicable	No Associated Event	

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Start of record

MonUID MLO82089
Monument Type Listed Building
Preferred Ref. MLO82089
Name GATEHOUSE TO CHURCH OF ST BARTHOLOMEW THE GREAT
Map Sheet TQ38SW
Grid References Centre Point: TQ 31912 81666 (point)
Summary Record created from imported Listed Buildings On-line dataset 11-Jan-2006; see linked Designation record for full details

Description**Sources**

Number	Reference
--------	-----------

Location**Administrative Area**

- [Borough] CITY OF LONDON

Address

- St. Bartholomews Hospital West Smithfield, London, EC1A 7BE

Monument/Component Types

- GATEHOUSE (Medieval - 1200 AD to 1299 AD)
- TIMBER FRAMED BUILDING (Medieval to Unknown - 1200 AD)
- GATEHOUSE (16th Century to 17th Century - 1600 AD to 1632 AD)
- GATEHOUSE (Modern - 1932 AD)

Find Types**Designations**

Type/Grade	Reference/Title	Description
Listed Building (II*)	199818 GATEHOUSE TO CHURCH OF ST BARTHOLOMEW THE GREAT	WEST SMITHFIELD EC1 1. 5002 Gatehouse to Church of St Bartholomew the Great (Formerly listed with No 57) TQ 3181 NE 2/18 4.1.50. II* 2. C13 west door of south aisle to nave survives as gateway to churchyard with later superstructure, early C17. Richly moulded arch, much renewed on its outer side. Small, blind arch in walling to south. 2 storeyed upper part timber framed with renewed mullioned and transomed windows. Big eaves-cornice and small timbered gable with window to tiled roof. Staircase wing at rear dated 1932. Listing NGR: TQ3191281666

Other Statuses and References

Type/Grade	Reference/Title
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Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
Not Applicable	No Associated Event	

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Start of record

MonUID MLO78551
Monument Type Listed Building
Preferred Ref. MLO78551
Name MEMORIAL TO SIR WILLIAM WALLACE AND MARTYRS MEMORIAL, ST BARTHOLOMEW'S HOSPITAL
Map Sheet TQ38SW
Grid References Centre Point: TQ 31892 81634 (point)
Summary Record created from imported Listed Buildings On-line dataset 11-Jan-2006; see linked Designation record for full details

Description**Sources**

Number	Reference
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Location**Administrative Area**

- [Borough] CITY OF LONDON

Address

- St. Bartholomews Hospital West Smithfield, London, EC1A 7BE

Monument/Component Types

- WALL MONUMENT (Undated)

Find Types**Designations**

Type/Grade	Reference/Title	Description
Listed Building (II)	199824 MEMORIAL TO SIR WILLIAM WALLACE AND MARTYRS MEMORIAL, ST BARTHOLOMEW'S HOSPITAL	WEST SMITHFIELD EC1 1. 5002 St Bartholomew's Hospital Memorial to Sir William Wallace. Martyrs Memorial. TQ 3181 NE 2/23B TQ 3181 NE 2/23C 5.6.72. II 2. Wall bears large granite tablet to Sir William Wallace and another to 3 C16 Protestant Martyrs, John Rogers, John Bradford, John Phiipot. Listing NGR: TQ3189281634

Other Statuses and References

Type/Grade	Reference/Title
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Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
Not Applicable	No Associated Event	

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Start of record

MonUID MLO81852
Monument Type Listed Building
Preferred Ref. MLO81852
Name NORTH EAST BLOCK WITH ATTACHED BUILDINGS, ST BARTHOLOMEW'S HOSPITAL
Map Sheet TQ38SW
Grid References Centre Point: TQ 31915 81622 (point)
Summary Record created from imported Listed Buildings On-line dataset 11-Jan-2006; see linked Designation record for full details

Description**Sources**

Number	Reference
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Location**Administrative Area**

- [Borough] CITY OF LONDON

Address

- St. Bartholomews Hospital West Smithfield, London, EC1A 7BE

Monument/Component Types

- HOSPITAL (18th Century - 1791 AD)
- HOSPITAL (18th Century to Unknown - 1792 AD)

Find Types**Designations**

Type/Grade	Reference/Title	Description
Listed Building (II)	199822 NORTH EAST BLOCK WITH ATTACHED BUILDINGS, ST BARTHOLOMEW'S HOSPITAL	1. 5002 WEST SMITHFIELD EC1 St Bartholomew's Hospital North east block with attached buildings TQ 3181 NE 2/23 5.6.72. II 2. 1791, by George Dance the younger, with later alterations. Mostly 3 storeys (top storey probably added). Portland stone. Arcaded and rusticated face to ground storey. Parapet to roof. Listing NGR: TQ3191581622

Other Statuses and References

Type/Grade	Reference/Title
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Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
Not Applicable	No Associated Event	

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Start of record

MonUID MLO82090
Monument Type Listed Building
Preferred Ref. MLO82090
Name SCREEN WALL AND COLONNADE, ST BARTHOLOMEW'S HOSPITAL
Map Sheet TQ38SW
Grid References Centre Point: TQ 31874 81615 (point)
Summary Record created from imported Listed Buildings On-line dataset 11-Jan-2006; see linked Designation record for full details

Description**Sources**

Number	Reference
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Location**Administrative Area**

- [Borough] CITY OF LONDON

Address

- St. Bartholomews Hospital West Smithfield, London, EC1A 7BE

Monument/Component Types

- COLONNADE (17th Century to 18th Century - 1700 AD to 1799 AD)
- GRILLE (17th Century to 18th Century - 1700 AD to 1799 AD)
- WALL (17th Century to 18th Century - 1700 AD to 1799 AD)

Find Types**Designations**

Type/Grade	Reference/Title	Description
Listed Building (II*)	199823 SCREEN WALL AND COLONNADE, ST BARTHOLOMEW'S HOSPITAL	WEST SMITHFIELD EC1 1. 5002 St. Bartholomew's Hospital Screen wall and colonnade TQ 3181 NE 2/23A 5.6.72. II* 2. C18 screen wall of rusticated Portland stone including arcading with iron grilles and Doric colonnade. Listing NGR: TQ3187481615

Other Statuses and References

Type/Grade	Reference/Title
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Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
Not Applicable	No Associated Event	

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MonUID MLO81742
Monument Type Listed Building
Preferred Ref. MLO81742
Name THE GATEHOUSE, ST BARTHOLOMEW'S HOSPITAL
Map Sheet TQ38SW
Grid References Centre Point: TQ 31863 81599 (point)
Summary Record created from imported Listed Buildings On-line dataset 11-Jan-2006; see linked Designation record for full details

Description**Sources**

Number	Reference
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Location**Administrative Area**

- [Borough] CITY OF LONDON

Address

- St. Bartholomews Hospital West Smithfield, London, EC1A 7BE

Monument/Component Types

- STATUE (Undated)
- ARCH (18th Century - 1702 AD)
- GATEHOUSE (18th Century - 1702 AD)
- GATE (18th Century to 19th Century - 1767 AD to 1832 AD)

Find Types**Designations**

Type/Grade	Reference/Title	Description
Listed Building (I)	199820 THE GATEHOUSE, ST BARTHOLOMEW'S HOSPITAL	WEST SMITHFIELD EC1 1. 5002 St Bartholomew's Hospital The Gatehouse TQ 3181 NE 2/21 4.I.50. I 2. 1702. Archway set in rusticated ground storey. Pair of Ionic pilasters frame 3, richly decorated storeys above and support pediment. Statue of Henry VIII to 1st floor. Short, unwindowed wings of 2 storeys. Plain at rear. Good iron gates, late C18 or early C19. Scheduled AM. Listing NGR: TQ3186381599

Other Statuses and References

Type/Grade	Reference/Title
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Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
Not Applicable	No Associated Event	

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Record Details - Maritime:

Record Details - Others:

Start of record

MonUID	MLO99173
Monument Type	Place
Preferred Ref.	MLO99173
Name	Area Between Long Lane, Little Britain, Montague Street, Aldersgate Street {precinct of Priory of St Bartholomew}
Map Sheet	TQ38SW
Grid References	Centre Point: Centroid TQ 32028 81668 (MBR: 267m by 330m)
Summary	This is the precinct of the Augustinian priory founded in 1123.
Description	This Augustinian priory was founded in 1123.

Sources

Number	Reference
SLO78642	Monograph: Museum of London Archaeology Service. 2002. The London Charterhouse, 10,

Location

Administrative Area

- [Borough] CITY OF LONDON

Address

- Area Between Long Lane, and Montague Street, Little Britain and Aldersgate Street City of London, London

Monument/Component Types

- PRECINCT (Medieval - 1123 AD to 1539 AD?)

Find Types

Designations

Type/Grade	Reference/Title	Description
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Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	MLO99173

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
Not Applicable	No Associated Event	

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Appendix 2

Written Scheme of Investigation

Written Scheme of Investigation

In support of applications
for docking stations

Status: Final
Date: 06 May 2009





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1 INTRODUCTION

1.1 Purpose of the Document

This document sets out the method for undertaking archaeological investigations on the Sites of docking stations associated with Transport for London's Cycle Hire Scheme.

An Archaeological Impact Assessment has been undertaken for the Site to which this document is attached.

1.2 Planning Background

A planning application is to be submitted for a bicycle docking station as part of Transport for London's (TfL) Cycle Hire Scheme. An Archaeological Impact Assessment has been undertaken to which this generic written scheme of investigation has been attached. Any planning permission is likely to include a condition requiring that no development take place until a programme of archaeological work in accordance with a Written Scheme of Investigation has been submitted to and approved by the Planning Authority. This archaeological work should consist of the investigation of whether there are any archaeological remains within the footprint of the groundworks for the docking station. If the results of the Site investigation are positive then any archaeological features, deposits or finds which lie within the footprint of the docking station groundworks should be preserved by record.

1.3 Specific Aims of the Archaeological Work

The objectives of this archaeological investigation are (not exclusively):

To understand the character, form, function and date of past activities indicated in this area by the archaeological remains;

To record and consider the evidence of the activities present on the Site within the wider context of finds in the area; and

To investigate and record the spatial distribution of activities across the Site in terms of the distribution of features, artefacts and environmental evidence

Although it is usual to include more specific aims than the above, in this instance there is no evidence of any specific remains. However, should these emerge during the works specific project aims shall be formulated and adopted as part of the project design at the start of the post-excavation process.

2 SITE INVESTIGATION

2.1 Methodology

Site Investigation

On the Site, the area of the groundworks will be marked out and the carriageway/roadway/footway surface together with any levelling material shall be lifted by the main works contractor.

An archaeologist shall then investigate the area by hand. This will involve the excavation of small investigative trenches by hand with a mattock and/or trowel. The area of these trenches in plan may vary but should be of sufficient size to determine the presence/absence of any archaeological remains on the Site. On some Sites it may be immediately obvious that the whole area consists of undifferentiated rubble and small holes to confirm this every 5m or so would suffice; on others the Site may consist of more complex deposits which require a more sophisticated approach which investigates the nature of the different features which have been revealed.

Excavations will proceed down to the maximum depth of foundations, however this will be no deeper than 450mm.

Any human remains must be left in-situ, covered and protected. Removal can only take place under appropriate Ministry of Justice Licence and environmental health regulations. Such removal must be in compliance with the Burials Act 1957.

Where no significant archaeological remains are revealed, no further archaeological intervention shall be undertaken.


Further Investigation

Those areas of the Site where initial investigation suggests the presence of features or possible features shall, if necessary, be hand-cleaned to ensure features are properly defined and sufficient information is available to produce a base plan.

Once a Site grid has been established using an EDM or theodolite and this has been converted into the Ordnance Survey National Grid, the stripped surface shall be accurately planned at an appropriate scale (1:50 or 1:100 depending on complexity). Some hand cleaning may be necessary and the archaeological team shall be structured to ensure that the hand cleaning and planning operations run in close sequence. The exposing and planning of the archaeological features shall be undertaken on the same or consecutive days while the uncovered surface is fresh, whether or not those features are exposed by machining or hand cleaning. Should particularly vulnerable deposits be revealed (eg graves or cremations) these shall be given priority.

Where initial data is captured electronically, the archaeologist shall ensure that sufficient points are taken to provide a true reflection of its form in plan. A print out of the plan shall be checked for accuracy on Site.

In addition to capturing plan data, sufficient levels shall be taken across the Site and within any features to support future topographic modelling of the Site.



Large homogenous linear features shall be sampled (a minimum of 10%) and the intersections of features shall be investigated so that their stratigraphic relationships may be recorded. Discrete features, such as pits and postholes, shall be investigated with a minimum sample of 50% (unless it is agreed with the Archaeological Advisors to the Planning Authority that a smaller sample is adequate).

Excavation shall proceed down to the maximum depth of foundations or the undisturbed natural substratum, whichever is encountered first.

Reasonable access to the Site is to be arranged for the Planning Authority's Archaeological Advisors, who may wish to make Site inspections to ensure that the archaeological investigation is progressing satisfactorily.

2.2 Site Recording

Context sheets shall include all relevant stratigraphic relationships and for complex stratigraphy a separate matrix diagram shall be employed. This matrix shall be fully checked during the course of the investigation.

The Site archive shall be so organised as to be compatible with other archaeological archives produced in Greater London. Individual descriptions of all archaeological strata and features excavated or exposed shall be entered using a continuous numbered context system onto prepared pro-forma recording sheets. Sample recording sheets, sample registers, finds recording sheets, access catalogues, and photo record cards shall also be used.

Plans of archaeological features on the Site shall be drawn at a minimum scale of 1:20. Sections shall be drawn at a minimum scale of 1:20.

All archaeological plans and sections shall be on drawing film and would include context numbers and OD spot heights for all principal strata and features.

Other plans shall include a Site location plan, a general plan (e.g. OS 1:1250) showing investigation area and development Site in relation to surrounding locality. These shall be supplemented by trench plans at 1:500 (or 1:200), which shall show the location of the areas investigated in relation to the investigation area, OS grid and Site grid (if any). The locations of the OS bench marks used and Site temporary bench marks (TBMs) shall also be identified.

A photographic record of the project shall be provided. This would illustrate in both detail and general context the principal features and finds discovered. The photographic record would also include working shots to illustrate more generally the nature of the archaeological operation mounted.

2.3 Site Reporting and Archiving

Site Investigation only

In the event of the Site investigation being negative the archaeologist shall produce a report stating that there were no findings, one unbound, six bound hard copies and one digital copy. Four copies shall be provided to Greater London Archaeological Advisory Service.

Should the Site investigation prove positive, a further investigation will be carried out.

Further Investigations

Depending on the outcome of the Site investigation, a further Site investigation will be carried out and this will be proportionate to the findings recovered.

A research archive for the Site shall be produced in accordance with MoRPHE (English Heritage 2006). Within 3 months of completion of field work, the archaeologist shall produce a report, one unbound, six bound hard copies and one digital copy. Four copies shall be provided to Greater London Archaeological Advisory Service. A summary report shall be submitted to a suitable regional or national archaeological journal(s) within six months of completion of fieldwork.

Specialist assessment reports shall be produced if required. The following external specialist services may be required: osteoarchaeology; animal bone; Roman, medieval and Post-medieval pottery and metalwork; pollen; soil micromorphology; snails; plant macrofossils. Pottery reports shall refer to the appropriate type series.

The archive shall be used to produce a report including narrative, illustrations and plans as appropriate. It shall give details of the background to the project, the archaeological evidence recorded during the excavation and the archaeological conclusions that can be drawn.

Following completion of the above, a review of the post-excavation programming shall be held in consultation with the Archaeological Advisor to the Planning Authority and the relevant specialists. At this review stage a timetable including a Critical Path Analysis and the aims of specialist research shall be identified and agreed. This timetable shall also contain agreed monitoring points.

After that review, all specialist reports shall be commissioned and the full post-excavation programme implemented through to full archive report and publication.

Data including a copy of the written archive shall be prepared for accession to the Historic Environment Record.

The material archive and one copy of the Site archive shall be prepared for accession to the Museum of London. Agreement for the long-term curation of the archive shall be made with the Museum of London.

3 THE SITE ARCHAEOLOGISTS

The field team deployed shall include only full time professional archaeological staff. All staff in supervisory positions should be Members of the IFA.

The project shall comply with the Institute of Field Archaeologists Code of Conduct and all relevant Standards and Guidance documents

4 HEALTH AND SAFETY

All archaeological work must be undertaken in accordance with relevant health and safety legislation. It is assumed that CDM regulations will apply.