

Archaeological Impact Assessment

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

Leathermarket Gardens, Tyers Gate, SE1

Reference Number: 08/610822
Revision: A
Status: Final
Date: 1 July 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 Leathermarket Gardens, Tyers Gate in the London Borough of Southwark.

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 London Borough of Southwark. 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 wish to apply for planning permission for a Cycle Hire docking station, comprising a terminal and 36 docking points adjacent to Leathermarket Gardens, Tyers Gate in the London Borough of Southwark.

Following discussions with the Senior Archaeology Officer at the Planning Authority, Dr Christopher Constable, 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 June 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 Dr Christopher Constable at the London Borough of Southwark.

2 ANALYSIS OF ARCHAEOLOGICAL BACKGROUND

2.1 Scheduled Ancient Monuments (SAMs)

There are no SAMs on the Site or within a distance where their setting would be affected by the proposed development.

2.2 Greater London Archaeology Advisory Service

Archaeological Advisor

Dr Christopher Constable has commented on the archaeological implications of the development.

Dr Constable has confirmed that the Site lies 'within the burgage plot area of Bermondsey Street'.

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.

Archaeological fieldwork at No 8 Tyers Gate (ELO4768 and 7860) and in the carriageway for a Thames Water sewer (ELO8304) have revealed an archaeological sequence dating from Bronze Age through Roman and medieval to 18th century levelling and 19th century surfaces and basements.

It seems possible that the post-medieval street frontage or Victorian walls will survive in the area of the docking station.

2.3 Historic Maps

The general arrangement of Tyers Gate at this point does not seem to have changed significantly since Rocque's 1746 map and Horwood's map of 1799.

Individual properties that were indicated in the 18th century on the south side of Tyers Gate no longer exist.

3 THE PROPOSALS AND THEIR POTENTIAL IMPACT

3.1 Site Description

The Site lies on the carriageway on the south side of Tyers Gate, SE1. Please refer to the Planning Design and Access Statement for further information.

3.2 Docking Station

The development comprises terminal and 36 docking points. The foundations will 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 Planning Design and Access Statement.


3.3 The Potential Impact

Given that the foundations would be no deeper than 450mm, it is possible that the works will penetrate to post-medieval or Victorian archaeological levels. Earlier archaeological deposits are likely to lie at a much deeper level.

4 CONCLUSIONS

This Assessment has revealed that there is potential for significant post-medieval archaeological remains on Leathermarket Gardens, Tyers Gate in the London Borough of Southwark.

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.

Contact: Stuart Cakebread
Direct Dial: 020 7973 3731
Date: 09/06/2009

Greater London Sites and Monuments Record - Search Report

Enquiry: Report 8321 London Cycle Hire Scheme Adj to Leathermarket Gardens_Tyers Gate TQ 33144 79736 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 perviously 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

<i>MonUID</i>	<i>Pref. Ref.</i>	<i>Name</i>	<i>Monument Types</i>	<i>Date Range</i>
MLO74906	093230/00/000	8 TYERS GATE SE1	FLOOR, BUILDING, FLOOR	Post Medieval (1540 AD to 1900 AD)
MLO74465	092911/00/000	CARMARTHEN PL	TANNERY	Post Medieval (1540 AD to 1900 AD)
MLO74545	092959/00/000	LEATHERMARKET G DNS	TANNERY	Post Medieval (1540 AD to 1900 AD)
MLO74579	092917/00/000	LEATHERMARKET G DNS	WAREHOUSE	Post Medieval (1540 AD to 1900 AD)
MLO74487	092917/00/000	LEATHERMARKET GARDENS	WAREHOUSE	Post Medieval (1540 AD to 1900 AD)
MLO74902	093226/00/000	Tyers Gate (No.8), Southwark	DRAIN	Medieval (1066 AD to 1539 AD)
MLO74903	093227/00/000	Tyers Gate (No.8), Southwark {Medieval Tanning Pits and Tannery?}	TANNING PIT	15th Century to 16th Century (1500 AD to 1599 AD)
MLO74904	093228/00/000	Tyers Gate (No.8), Southwark {Post-Medieval Levelling}	DUMP	Post Medieval (1540 AD to 1900 AD)
MLO74900	093224/00/000	Tyers Gate (No.8), Southwark {Prehistoric Peat}	PEAT	Middle Palaeolithic to Roman (50000 BC to 43 AD)
MLO98772	MLO98772	Tyer's Gate, Southwark {Post Medieval building remains}	BUILDING, WALL, FLOOR	18th Century to 19th Century (1701 AD to 1900 AD)
MLO98773	MLO98773	Tyer's Gate, Southwark {Post Medieval tanning pit}	TANNING PIT	18th Century to 19th Century (1701 AD to 1900 AD)
MLO98771	MLO98771	Tyer's Gate, Southwark {Waterborne and waterlogged sequence deposits}	PEAT, PALAEOCHANNEL?, ALLUVIUM	Post Medieval (1540 AD to 1900 AD)

Listed Buildings

<i>MonUID</i>	<i>Pref. Ref.</i>	<i>Name</i>	<i>Monument Types</i>	<i>Date Range</i>
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Maritime

<i>MonUID</i>	<i>Pref. Ref.</i>	<i>Name</i>	<i>Monument Types</i>	<i>Date Range</i>
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Other

<i>MonUID</i>	<i>Pref. Ref.</i>	<i>Name</i>	<i>Monument Types</i>	<i>Date Range</i>
MLO74901	093225/00/000	Tyers Gate (No.8) {Roman Pottery}	FINDSPOT	Roman (43 AD to 409 AD)

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Event Index:

<i>Event ID</i>	<i>Event Name</i>	<i>Event Description</i>
Not Applicable	No Associated Event	Location: not specified

Associated Monuments

MLO74465	- CARMARTHEN PL - [Post Medieval (1540 AD to 1900 AD)]
MLO74487	- LEATHERMARKET GARDENS - [Post Medieval (1540 AD to 1900 AD)]
MLO74545	- LEATHERMARKET G DNS - [Post Medieval (1540 AD to 1900 AD)]
MLO74579	- LEATHERMARKET G DNS - [Post Medieval (1540 AD to 1900 AD)]

<i>Event ID</i>	<i>Event Name</i>	<i>Event Description</i>
ELO4768	Tyers Gate (no.8), Southwark	Evaluation prior to development confirmed the existance of archaeological features and finds dating form the prehistoric period to the early 20th century. Location: Centroid TQ 3317 7975 (MBR: 10m by 10m) (Centred on)

Associated Monuments

MLO74900	- Tyers Gate (No.8), Southwark {Prehistoric Peat} - [Middle Palaeolithic to Roman (50000 BC to 43 AD)]
MLO74901	- Tyers Gate (No.8) {Roman Pottery} - [Roman (43 AD to 409 AD)]
MLO74902	- Tyers Gate (No.8), Southwark - [Medieval (1066 AD to 1539 AD)]
MLO74903	- Tyers Gate (No.8), Southwark {Medieval Tanning Pits and Tannery?} - [15th Century to 16th Century (1500 AD to 1599 AD)]
MLO74904	- Tyers Gate (No.8), Southwark {Post-Medieval Levelling} - [Post Medieval (1540 AD to 1900 AD)]
MLO74906	- 8 TYERS GATE SE1 - [Post Medieval (1540 AD to 1900 AD)]

<i>Event ID</i>	<i>Event Name</i>	<i>Event Description</i>
ELO7860	Tyers Gate (no.8), Southwark Excavation	Location: Centroid TQ 33172 79754 (MBR: 10m by 9m)

Associated Monuments

MLO74900	- Tyers Gate (No.8), Southwark {Prehistoric Peat} - [Middle Palaeolithic to Roman (50000 BC to 43 AD)]
MLO74901	- Tyers Gate (No.8) {Roman Pottery} - [Roman (43 AD to 409 AD)]
MLO74902	- Tyers Gate (No.8), Southwark - [Medieval (1066 AD to 1539 AD)]
MLO74903	- Tyers Gate (No.8), Southwark {Medieval Tanning Pits and Tannery?} - [15th Century to 16th Century (1500 AD to 1599 AD)]
MLO74904	- Tyers Gate (No.8), Southwark {Post-Medieval Levelling} - [Post Medieval (1540 AD to 1900 AD)]
MLO74906	- 8 TYERS GATE SE1 - [Post Medieval (1540 AD to 1900 AD)]

<i>Event ID</i>	<i>Event Name</i>	<i>Event Description</i>
ELO7704	Tyer's Gate, Southwark: archaeological watching brief	A watching brief was maintained by Pre-Construct Archaeology during November and December 2007 for Thames Water in the insertion of a new sewer connection and manholes. The work recorded a sequence of deposits possibly indicating the presence of a palaeochannel, as well as brick walls and surfaces of the 18th and 19th centuries below 20th century made ground. Location: Centroid TQ 33174 79767 (MBR: 49m by 31m)

Associated Monuments

MLO98771	- Tyer's Gate, Southwark {Waterborne and waterlogged sequence deposits} - [Post Medieval (1540 AD to 1900 AD)]
MLO98772	- Tyer's Gate, Southwark {Post Medieval building remains} - [18th Century to 19th Century (1701 AD to 1900 AD)]
MLO98773	- Tyer's Gate, Southwark {Post Medieval tanning pit} - [18th Century to 19th Century (1701 AD to 1900 AD)]

<i>Event ID</i>	<i>Event Name</i>	<i>Event Description</i>
ELO8304	Tyer's Gate, Southwark: archaeological watching brief [environmental sampling]	The environmental analysis of a sample was undertaken from the Pre-Construct Archaeology excavations carried out in late 2007 at Tyer's Gate, Southwark. The work revealed fragmentary remains of coal, coke and charcoal, and animal bones which are thought to indicate the Post Medieval period formation of peat in which the materials were embedded. The report of this work is within the larger report of the watching brief work carried out. Location: TQ 33169 79763 (point)

Associated Monuments

MLO98771	- Tyer's Gate, Southwark {Waterborne and waterlogged sequence deposits} - [Post Medieval (1540 AD to 1900 AD)]
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- [MLO98772](#) - Tyer's Gate, Southwark {Post Medieval building remains} - [18th Century to 19th Century (1701 AD to 1900 AD)]
 - [MLO98773](#) - Tyer's Gate, Southwark {Post Medieval tanning pit} - [18th Century to 19th Century (1701 AD to 1900 AD)]
-

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Record Details - Archaeology:

Start of record

MonUID	MLO74906
Monument Type	Archaeology
Preferred Ref.	093230/00/000
Name	8 TYERS GATE SE1
Map Sheet	TQ37NW
Grid References	Centre Point: TQ 3317 7975 (point)

Summary

Description

Excavation undertaken by D. Killock for PCA, November 1999; site code TYG99. The ground level having been raised in the 16th - early 17th c, two buildings were then constructed, probably at about this time, and these continued in use, with minor modifications, until the 19th century. The walls were constructed of brick, Reigate stone and tile and reused ragstone and tile - possibly derived from the demolition of Bermondsey Abbey. They are interpreted as walls supporting a timber superstructure; the remains of timber floors were also recorded. During the 18th century the buildings were extensively repaired and the western building remodelled. Some walls of both buildings were replaced by brick; the timber floor in the E building was replaced, in one area, by a new one of sheep bone knuckles, while a room in the W building was floored with ceramic Flemish tiles, dated to c.1730 - early 19th c. Both had 18th century rebuilding phases and one had the remains of a knuckle bone floor. Periods recorded under this site code: prehistoric (093224) Roman (093225) medieval (093226-7) post-medieval (093228-30).(1-2)

Sources

Number	Reference
SLO74980	GLSMR recording form: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE1, SITE CODE: TYG99,
SLO74981	Unpublished document: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE8, SITE CODE: TYG99,

Location

Administrative Area

- [Borough] SOUTHWARK

Address

- 8 TYERS GATE SE1

Monument/Component Types

- BUILDING (Post Medieval - 1540 AD to 1900 AD)
- FLOOR (Post Medieval - 1540 AD to 1900 AD)
- FLOOR (Post Medieval - 1540 AD to 1900 AD)

Find Types

Designations

Type/Grade	Reference/Title	Description
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Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	093230/00/000
Site Code	TYG99

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
ELO4768	Tyers Gate (no.8), Southwark	Evaluation prior to development confirmed the existance of archaeological features and finds dating form the prehistoric period to ...
ELO7860	Tyers Gate (no.8), Southwark Excavation	

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End of record

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Start of record

MonUID	MLO74465
Monument Type	Archaeology
Preferred Ref.	092911/00/000
Name	CARMARTHEN PL
Map Sheet	TQ37NW
Grid References	Centre Point: Centroid TQ 3313 7977 (MBR: 10m by 10m)
Summary	
Description	Small tannery operating in 1872. Complete demolition and redevelopment as Tyres Estate

Sources

Number	Reference
SLO74423	Published map/plan: Ordnance Survey. OS 1ST ED. 25" SHEET 45,

Location**Administrative Area**

- [Borough] SOUTHWARK

Address

- BERMONDSEY ST BERMONDSEY

- CARMARTHEN PL

Monument/Component Types

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

Find Types**Designations**

Type/Grade	Reference/Title	Description
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Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	092911/00/000

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 MLO74545
Monument Type Archaeology
Preferred Ref. 092959/00/000
Name LEATHERMARKET G DNS
Map Sheet TQ37NW
Grid References Centre Point: Centroid TQ 3315 7973 (MBR: 10m by 10m)
Summary
Description small tannery operating in 1872.demolition and redevelopment of site as Leathermarket Gardens.

Sources

Number	Reference
SLO74504	Published map/plan: Ordnance Survey. OS 1ST ED. 25" SHEET 45,

Location**Administrative Area**

- [Borough] SOUTHWARK

Address

- LEATHERMARKET G DNS
 - LEATHERMARKET S T

Monument/Component Types

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

Find Types**Designations**

Type/Grade	Reference/Title	Description
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Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	092959/00/000

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	MLO74579
Monument Type	Archaeology
Preferred Ref.	092917/00/000
Name	LEATHERMARKET G DNS
Map Sheet	TQ37NW
Grid References	Centre Point: Centroid TQ 3315 7970 (MBR: 10m by 10m)
Summary	
Description	small warehouse operating in 1872 and 1916. demolition and redevelopment of site into Leathermarket Gardens.

Sources

Number	Reference
SLO74538	Published map/plan: Ordnance Survey. OS 1ST ED. 25" SHEET 45,

Location**Administrative Area**

- [Borough] SOUTHWARK

Address

- LEATHERMARKET G DNS
- LEATHERMARKET S T

Monument/Component Types

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

Find Types**Designations**

Type/Grade	Reference/Title	Description
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Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	092917/00/000

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	MLO74487
Monument Type	Archaeology
Preferred Ref.	092917/00/000
Name	LEATHERMARKET GARDENS
Map Sheet	TQ37NW
Grid References	Centre Point: Centroid TQ 3315 7970 (MBR: 10m by 10m)
Summary	
Description	large warehouses in existence in 1872. demolished and site converted into Leathermarket Gardens.

Sources

Number	Reference
SLO74449	Published map/plan: Ordnance Survey. OS 1ST ED. 25" SHEET 45,

Location**Administrative Area**

- [Borough] SOUTHWARK

Address

- LEATHERMARKET GARDENS
- LEATHERMARKET STREET,BERMONDSEY

Monument/Component Types

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

Find Types**Designations**

Type/Grade	Reference/Title	Description
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Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	O92917/00/000

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	MLO74902
Monument Type	Archaeology
Preferred Ref.	093226/00/000
Name	Tyers Gate (No.8), Southwark
Map Sheet	TQ37NW
Grid References	Centre Point: TQ 3317 7975 (point)
Summary	Evidence for late medieval drainage was recorded
Description	Excavation undertaken by D. Killock for PCA, November 1999; site code TYG99. Evidence for late medieval drainage was recorded. Periods recorded under this site code: prehistoric (093224) Roman (093225) medieval (093226-7) post-medieval (093228-30).(1-2)

Sources

Number	Reference
SLO74972	GLSMR recording form: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE1, SITE CODE: TYG99,
SLO74973	Unpublished document: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE8, SITE CODE: TYG99,

Location

Administrative Area
- [Borough] SOUTHWARK

Address
- 8 TYERS GATE SE1

Monument/Component Types

- DRAIN (Medieval - 1066 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	093226/00/000
Site Code	TYG99

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
ELO4768	Tyers Gate (no.8), Southwark	Evaluation prior to development confirmed the existance of archaeological features and finds dating form the prehistoric period to ...
ELO7860	Tyers Gate (no.8), Southwark Excavation	

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End of record

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Start of record

MonUID MLO74903
Monument Type Archaeology
Preferred Ref. 093227/00/000
Name Tyers Gate (No.8), Southwark {Medieval Tanning Pits and Tannery?}
Map Sheet TQ37NW
Grid References Centre Point: TQ 3317 7975 (point)

Summary Two circular tanning pits had been cut, the sides of one supported with timber staves, the other filled with a number of horncores, presumably discarded from the tanning process. Dating from the overlying dumped deposits suggests that the tanning pits were in use in the 16th century.

Description Excavation undertaken by D. Killock for PCA, November 1999; site code TYG99. Late medieval tanning pits were recorded. Two circular tanning pits had been cut, the sides of one supported with timber staves, the other filled with a number of horncores, presumably discarded from the tanning process. Dating from the overlying dumped deposits suggests that the tanning pits were in use in the 16th century. Periods recorded under this site code: prehistoric (093224) Roman (093225) medieval (093226-7) post-medieval (093228-30).

Sources

Number	Reference
SLO74974	GLSMR recording form: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE1, SITE CODE: TYG99,
SLO74975	Unpublished document: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE8, SITE CODE: TYG99,

Location

Administrative Area
 - [Borough] SOUTHWARK
Address
 - 8 TYERS GATE SE1

Monument/Component Types

- TANNING PIT ((at some time) 15th Century to 16th Century - 1500 AD? to 1599 AD?)

Find Types

- ANIMAL REMAINS (Medium quantity) (15th Century to 16th Century - 1500 AD? to 1599 AD?) (from Event: ELO4768)

Designations

Type/Grade	Reference/Title	Description

Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	093227/00/000
Site Code	TYG99

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
ELO4768	Tyers Gate (no.8), Southwark	Evaluation prior to development confirmed the existence of archaeological features and finds dating from the prehistoric period to ...
ELO7860	Tyers Gate (no.8), Southwark Excavation	

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End of record

Export generated by HBSMR from exeGesIS SDM

Start of record

MonUID	MLO74904
Monument Type	Archaeology
Preferred Ref.	093228/00/000
Name	Tyers Gate (No.8), Southwark (Post-Medieval Levelling)
Map Sheet	TQ37NW
Grid References	Centre Point: TQ 3317 7975 (point)
Summary	
Description	Excavation undertaken by D. Killock for PCA, November 1999; site code TYG99. Evidence for post-medieval land levelling was recorded. Periods recorded under this site code: prehistoric (093224) Roman (093225) medieval (093226-7) post-medieval (093228-30).(1-2)

Sources

Number	Reference
SLO74976	GLSMR recording form: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE1, SITE CODE: TYG99,
SLO74977	Unpublished document: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE8, SITE CODE: TYG99,

Location

Administrative Area
- [Borough] SOUTHWARK

Address
- 8 TYERS GATE SE1

Monument/Component Types

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

Find Types**Designations**

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

Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	093228/00/000
Site Code	TYG99

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
ELO4768	Tyers Gate (no.8), Southwark	Evaluation prior to development confirmed the existance of archaeological features and finds dating form the prehistoric period to ...
ELO7860	Tyers Gate (no.8), Southwark Excavation	

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End of record

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

Start of record

MonUID	MLO74900
Monument Type	Archaeology
Preferred Ref.	093224/00/000
Name	Tyers Gate (No.8), Southwark {Prehistoric Peat}
Map Sheet	TQ37NW
Grid References	Centre Point: TQ 3317 7975 (point)
Summary	
Description	Excavation undertaken by D. Killock for PCA, November 1999; site code TYG99. Prehistoric clays and silts were recorded. Periods recorded under this site code: prehistoric (093224) Roman (093225) medieval (093226-7) post-medieval (093228-30).(1-2)

Sources

Number	Reference
SLO74968	GLSMR recording form: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE1, SITE CODE: TYG99,
SLO74969	Unpublished document: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE8, SITE CODE: TYG99,

Location

Administrative Area
- [Borough] SOUTHWARK

Address
- 8 TYERS GATE SE1

Monument/Component Types

- PEAT (Middle Palaeolithic to Roman - 50000 BC to 43 AD)

Find Types**Designations**

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

Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	093224/00/000
Site Code	TYG99

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
ELO4768	Tyers Gate (no.8), Southwark	Evaluation prior to development confirmed the existance of archaeological features and finds dating form the prehistoric period to ...
ELO7860	Tyers Gate (no.8), Southwark Excavation	

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End of record

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

Start of record

MonUID	MLO98772
Monument Type	Archaeology
Preferred Ref.	MLO98772
Name	Tyer's Gate, Southwark {Post Medieval building remains}
Map Sheet	TQ37NW
Grid References	Centre Point: Centroid TQ 33174 79767 (MBR: 50m by 31m)
Summary	Watching brief work by Pre-Construct Archaeology during 2007 recorded a sequence of artificial Post Medieval layers and building remains whilst a new sewer was being laid and new manholes constructed. The remains of the building included a floor surface and walls.
Description	Both the floor and the walls were constructed of red brickwork bonded by sandy silt, on chalk, mortar and sandstone foundations. The floor and walls survived intact to the height of the wall footings; the floor in places being a mixture of brick and sandstone. A brick tank was also revealed in the work. These walls and floor surfaces are thought to be later 18th century to mid-19th century based on the layers above containing a range of ceramics. These remains were only partially exposed along the length of the pipe trench and also at the location of the manholes. (1-2)

Sources

Number	Reference
SLO79140	Unpublished document: Pre-Construct Archaeology. 2008. An archaeological watching brief at Tyer's Gate, London borough of Southwark, [A watching brief was maintained by Pre-Construct Archaeology during November and December 2007 for Thames Water in the insertion of a new sewer connection and manholes. The work recorded a sequence of deposits possibly indicating the presence of a palae
SLO79969	Digital archive: Pre-Construct Archaeology. 2008. An archaeological watching brief at Tyer's Gate, London borough of Southwark, [A watching brief was maintained by Pre-Construct Archaeology during November and December 2007 for Thames Water in the insertion of a new sewer connection and manholes. The work recorded a sequence of deposits possibly indicating the presence of a palae

Location**Administrative Area**

- [Borough] SOUTHWARK

Address

- Tyer's Garth, Southwark, London, SE1

Monument/Component Types

- (Former Type) BUILDING ((between) 18th Century to 19th Century - 1701 AD to 1900 AD)
- FLOOR ((between) 18th Century to 19th Century - 1701 AD to 1900 AD)
- WALL ((between) 18th Century to 19th Century - 1701 AD to 1900 AD)

Find Types**Designations**

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

Other Statuses and References

Type/Grade	Reference/Title
LAG number (GLAAS Ref)	28/106
OASIS record number & status	preconst1-36036
Site Code	TYA07

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
ELO7704	Tyer's Gate, Southwark: archaeological watching brief	A watching brief was maintained by Pre-Construct Archaeology during November and December 2007 for Thames Water in the insertion o ...
ELO8304	Tyer's Gate, Southwark: archaeological watching brief [environmental sampling]	The environmental analysis of a sample was undertaken from the Pre-Construct Archaeology excavations carried out in late 2007 at T ...

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

Start of record

MonUID	MLO98773
Monument Type	Archaeology
Preferred Ref.	MLO98773
Name	Tyer's Gate, Southwark (Post Medieval tanning pit)
Map Sheet	TQ37NW
Grid References	Centre Point: TQ 33164 79759 (point)
Summary	Watching brief work by Pre-Construct Archaeology has recorded a tanning pit composed of a brick pit and a wooden lining. The surrounding floor level of the floor surface sloped towards the opening of the pit itself. The pit was half-sectioned in the work carried out.
Description	The tanning pit was centred around a wooden barrel of dimensions 1.40m maximum width, with the opening at the ground floor level 0.90m. The depth of the barrel pit was about 1.30m from the floor surface, but nothing is known about the fill(s) of the feature. The red brickwork employed for the outer skin of the tank supports an 18th or 19th century date. (1-2)

Sources

Number	Reference
SLO79140	Unpublished document: Pre-Construct Archaeology. 2008. An archaeological watching brief at Tyer's Gate, London borough of Southwark, [A watching brief was maintained by Pre-Construct Archaeology during November and December 2007 for Thames Water in the insertion of a new sewer connection and manholes. The work recorded a sequence of deposits possibly indicating the presence of a palae
SLO79969	Digital archive: Pre-Construct Archaeology. 2008. An archaeological watching brief at Tyer's Gate, London borough of Southwark, [A watching brief was maintained by Pre-Construct Archaeology during November and December 2007 for Thames Water in the insertion of a new sewer connection and manholes. The work recorded a sequence of deposits possibly indicating the presence of a palae

Location**Administrative Area**

- [Borough] SOUTHWARK

Address

- Tyer's Garth, Southwark, London, SE1

Monument/Component Types

- (Former Type) TANNING PIT ((between) 18th Century to 19th Century - 1701 AD to 1900 AD)

Find Types**Designations**

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

Other Statuses and References

Type/Grade	Reference/Title
LAG number (GLAAS Ref)	28/106
OASIS record number & status	preconst1-36036
Site Code	TYA07

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
ELO7704	Tyer's Gate, Southwark: archaeological watching brief	A watching brief was maintained by Pre-Construct Archaeology during November and December 2007 for Thames Water in the insertion o ...
ELO8304	Tyer's Gate, Southwark: archaeological watching brief [environmental sampling]	The environmental analysis of a sample was undertaken from the Pre-Construct Archaeology excavations carried out in late 2007 at T ...

Return to [Top of page](#)**End of record**

Export generated by HBSMR from exeGesIS SDM

Start of record

MonUID	MLO98771
Monument Type	Archaeology
Preferred Ref.	MLO98771
Name	Tyer's Gate, Southwark (Waterborne and waterlogged sequence deposits)
Map Sheet	TQ37NW
Grid References	Centre Point: Centroid TQ 33174 79767 (MBR: 50m by 31m)
Summary	Watching brief work carried out by Pre-Construct Archaeology has recorded the presence of two peat layers with alluvium. The two peat layers were comprised of compacted silty sandy peat and included occasional inclusions.
Description	The alluvial deposits were a variety of thicknesses, as were the peats. Three peat horizons were recorded at the northwestern and southwestern corners of the trench. The peat was environmentally sampled. Coal and coke fragments found within the upper of the two peats suggests that it was formed during the Post Medieval period. The older of the two peats increased in thickness and it might be that the peat infilled a former water channel. The peat layers were interleaved with other layers contained ceramics and animal bones. (1-2)

Sources

Number	Reference
SLO79140	Unpublished document: Pre-Construct Archaeology. 2008. An archaeological watching brief at Tyer's Gate, London borough of Southwark, [A watching brief was maintained by Pre-Construct Archaeology during November and December 2007 for Thames Water in the insertion of a new sewer connection and manholes. The work recorded a sequence of deposits possibly indicating the presence of a palae
SLO79969	Digital archive: Pre-Construct Archaeology. 2008. An archaeological watching brief at Tyer's Gate, London borough of Southwark, [A watching brief was maintained by Pre-Construct Archaeology during November and December 2007 for Thames Water in the insertion of a new sewer connection and manholes. The work recorded a sequence of deposits possibly indicating the presence of a palae

Location**Administrative Area**

- [Borough] SOUTHWARK

Address

- Tyer's Garth, Southwark, London, SE1 0UH

Monument/Component Types

- (Former Type) PALAEOCHANNEL? (Unknown date)
- (Former Type) ALLUVIUM ((between) Post Medieval - 1540 AD to 1900 AD)
- (Former Type) PEAT ((between) Post Medieval - 1540 AD to 1900 AD)

Find Types**Designations**

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

Other Statuses and References

Type/Grade	Reference/Title
LAG number (GLAAS Ref)	28/106
OASIS record number & status	preconst1-36036
Site Code	TYA07

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
ELO7704	Tyer's Gate, Southwark: archaeological watching brief	A watching brief was maintained by Pre-Construct Archaeology during November and December 2007 for Thames Water in the insertion o ...
ELO8304	Tyer's Gate, Southwark: archaeological watching brief [environmental sampling]	The environmental analysis of a sample was undertaken from the Pre-Construct Archaeology excavations carried out in late 2007 at T ...

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

Record Details - Listed Buildings:

Record Details - Maritime:

Record Details - Others:

Start of record

MonUID	MLO74901
Monument Type	Find Spot
Preferred Ref.	093225/00/000
Name	Tyers Gate (No.8) {Roman Pottery}
Map Sheet	TQ37NW
Grid References	Centre Point: TQ 3317 7975 (point)
Summary	Two sherds of Roman pottery found during evaluation excavation in 1999. Pottery type Black Burnished ware BB1.
Description	Excavation undertaken by D. Killock for PCA, November 1999; site code TYG99. Two sherds of Roman pottery (Black Burnished ware BB1) were recovered. Periods recorded under this site code: prehistoric (093224) Roman (093225) medieval (093226-7) post-medieval (093228-30).(1-2)

Sources

Number	Reference
SLO74970	GLSMR recording form: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE1, SITE CODE: TYG99,
SLO74971	Unpublished document: Pre-Construct Archaeology. EXCAVATION AT 8 TYERS GATE SE8, SITE CODE: TYG99,

Location

Administrative Area
- [Borough] SOUTHWARK

Address
- 8 TYERS GATE SE1

Monument/Component Types

- FINDSPOT (Roman - 43 AD to 409 AD)

Find Types

- SHERD (2) (Roman - 43 AD to 409 AD) (from Event: ELO4768)

Designations

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

Other Statuses and References

Type/Grade	Reference/Title
Sites & Monuments Record	093225/00/000
Site Code	TYG99

Associated Activities/Events

Event ID	Name/Ref	Brief Description (click Event ID for details)
ELO4768	Tyers Gate (no.8), Southwark	Evaluation prior to development confirmed the existence of archaeological features and finds dating from the prehistoric period to ...
ELO7860	Tyers Gate (no.8), Southwark Excavation	

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End of record

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Appendix 2
Written Scheme of Investigation



Written Scheme of Investigation

In support of applications
for docking stations

Status: FINAL
Revision: B
Date: 02 July 2009





:

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 - 1.2 Planning Background..... 2
 - 1.3 Specific Aims of the Archaeological Work..... 2
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 - 2.3 Site Reporting and Archiving 4
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- 4 Health and safety5**

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.

If the results of the site investigation are negative, then an OASIS entry form will be completed and submitted.

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 consist 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 complete and submit an OASIS data entry form.

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 site 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.

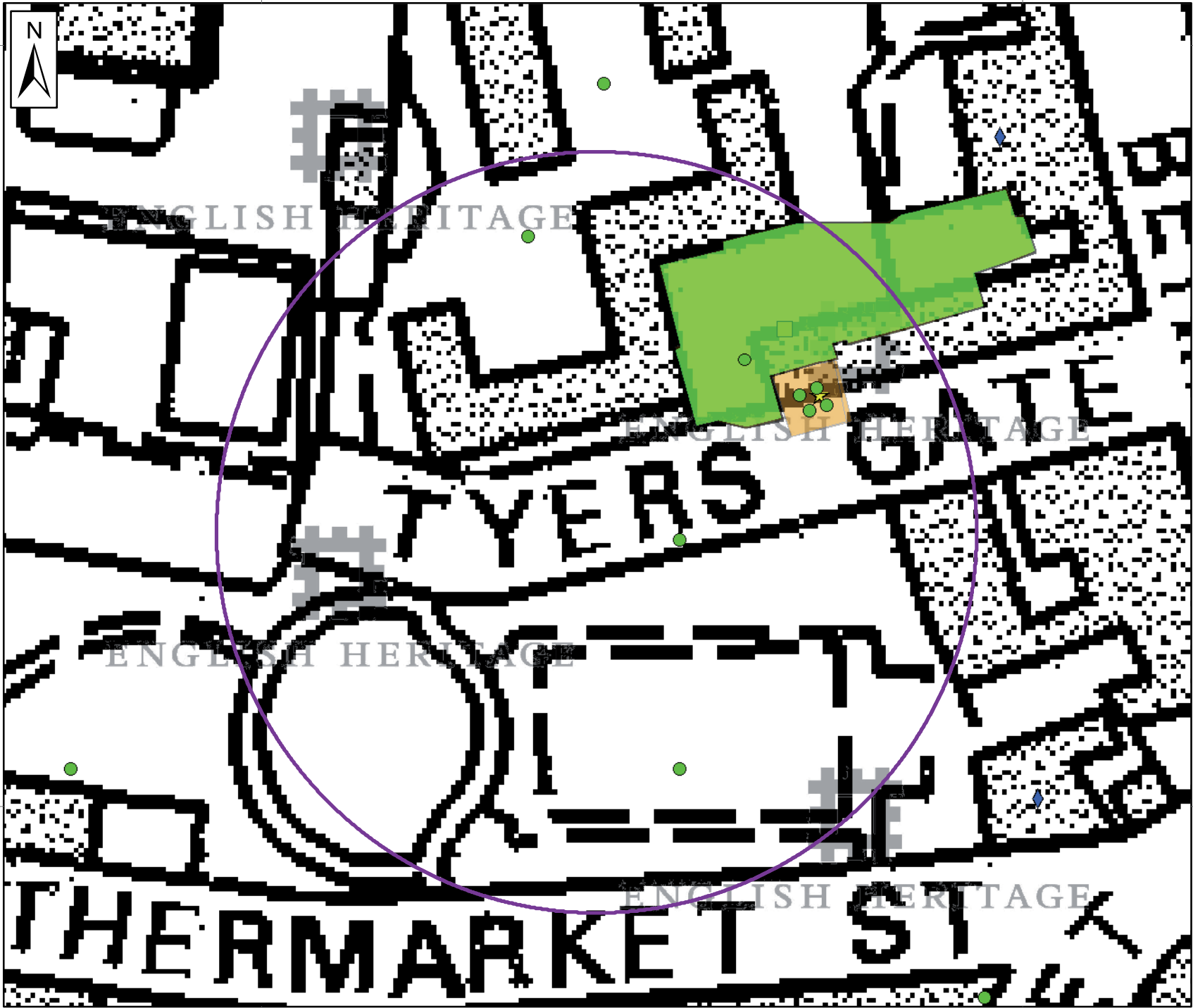
3 THE SITE ARCHAEOLOGISTS

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.



GLSMR Report 8321
 London Cycle Hire Scheme
 Adj to Leathermarket Gardens,
 Tyers Gate
 TQ 33144 79736
 50m radius search

Print Date: 9 June 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.



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