

APPENDIX 14.1 ARCHAEOLOGICAL DESK BASED ASSESSMENT



ARCHAEOLOGICAL DESK BASED ASSESSMENT

STAG BREWERY MORTLAKE

October 2017

Local Planning Authority: London Borough of Richmond upon Thames

Site centred at: TQ20371 76022

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Report Status: Planning issue

Issue Date: October 2017

CgMs Ref: RvKM/22164

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EXECUTIVE SUMMARY

The Site of the Stag Brewery, Mortlake (hereafter the 'Site') has been reviewed for its below ground archaeological potential.

In terms of relevant nationally designated heritage assets, no World Heritage Sites, Scheduled Monuments, Historic Battlefield or Historic Wreck Sites lie within or in immediate proximity to the Site.

In terms of relevant local designations the Site lies within the Mortlake and Barnes Archaeological Priority Area, as defined by the London Borough of Richmond upon Thames.

The Site is considered to have an archaeological potential for the Medieval, Post Medieval and Modern periods. The eastern part of the Site is known to contain the site of the Medieval palace of the Archbishops of Canterbury, together with the site of the fourteenth century parish church, while the western part of the Site is known to contain the site of the Renaissance mansion of Thomas Cromwell, Earl of Essex.

Past post-depositional impacts are considered likely to have been severe and cumulative across the Site as a result of previous and existing phases of development, principally relating to the Brewery complex which currently occupies the Site.

Programmes of archaeological fieldwork undertaken across the Site have revealed evidence of Medieval and Post Medieval deposits, together with substantial modern horizontal truncation.

The Site is proposed for comprehensive mixed use, residential-led redevelopment, including areas of basement beneath the Site.

Redevelopment of the Site as a whole can be considered likely to have a potential adverse impact on below ground archaeological deposits of potential national significance.

Relevant archaeological measures are therefore proposed in order to mitigate the impact of redevelopment upon the Site's archaeological potential, which have been discussed and approved by the planning authorities' archaeological advisor. Such work will be secured by appropriate condition(s) attached to the granting of planning consent for redevelopment.

1.0 <u>INTRODUCTION AND SCOPE OF STUDY</u>

- 1.1 This archaeological desk-based assessment has been prepared by CgMs Consulting, on behalf of Reselton Properties Limited.
- 1.2 The subject of this Assessment comprises the site of the Stag Brewery, Mortlake, also referred to as the Site. The Site is centred at TQ20371 76022 within the London Borough of Richmond upon Thames (see Figures 1, 2 and 18).
- 1.3 In terms of relevant designated heritage assets, as defined below in Section 2 and as shown on Figure 2, no World Heritage Sites, Scheduled Monuments, Historic Battlefield or Historic Wreck Sites have been identified within the Site or its immediate vicinity.
- 1.4 In terms of relevant local designations, the Site lies within the Mortlake and Barnes Archaeological Priority Area (APA), as defined by the London Borough of Richmond upon Thames (see also Figure 2).
- 1.5 Reselton Properties Limited have commissioned CgMs Consulting to establish the archaeological potential of the Site, to accompany a planning application for redevelopment, and to provide guidance on ways to accommodate any archaeological constraints identified.
- 1.6 In accordance with relevant government policy and guidance on archaeology and planning, and in accordance with the 'Standard and Guidance for Historic Environment Desk-Based Assessments' (Chartered Institute for Archaeologists, August 2014), this assessment draws together the available archaeological, topographic and land-use information in order to clarify the archaeological potential of the Site.
- 1.7 The assessment comprises an examination of evidence on the Greater London Historic Environment Record (GLHER) and other sources, including Richmond Local Studies and Archives Centre. The report reviews existing site investigation/geotechnical data, together with the results of archaeological interventions within the Site undertaken in 1995, 1996, 1999 and 2016.
- 1.8 The Assessment thus enables relevant parties to understand the archaeological potential of various parts of the Site and to consider the need for design, civil engineering, and archaeological solutions to the archaeological potential identified.

2.0 <u>DEVELOPMENT PLAN FRAMEWORK</u>

- 2.1 Legislation regarding archaeology, including scheduled monuments, is contained in the Ancient Monuments and Archaeological Areas Act 1979, amended by the National Heritage Act 1983 and 2002.
- 2.2 In March 2012, the government published the National Planning Policy Framework (NPPF). The National Planning Practice Guidance (NPPG) was published online 6th March 2014 and updated 10 April 2014 (http://planningguidance.planninggortal.gov.uk).
- 2.3 In addition the NPPF and NPPG are supported by three Good Practice Advice (GPA) documents published by Historic England in March 2015: GPA 1: The Historic Environment in Local Plans; GPA 2: Managing Significance in Decision-Taking in the Historic Environment, and GPA 3: The Setting of Heritage Assets.
- 2.4 Section 12 of the NPPF, entitled *Conserving and Enhancing the Historic Environment* provides guidance for planning authorities, property owners, developers and others on the conservation and investigation of heritage assets. Overall, the objectives of Section 12 of the NPPF can be summarised as seeking the:
 - Delivery of sustainable development;
 - Understanding the wider social, cultural, economic and environmental benefits brought by the conservation of the historic environment;
 - Conservation of England's heritage assets in a manner appropriate to their significance, and:
 - Recognition of the contribution that heritage assets make to our understanding of the past.
- 2.5 Section 12 of the NPPF recognises that intelligently managed change may sometimes be necessary if heritage assets are to be maintained for the long term. Paragraph 128 states that planning decisions should be based on the significance of the heritage asset, and that level of detail supplied by an applicant should be proportionate to the importance of the asset and should be no more than sufficient to review the potential impact of the proposal upon the significance of that asset.
- 2.6 Heritage Assets are defined in Annex 2 of the NPPF as: a building, monument, Site, place, area or landscape positively identified as having a degree of significance meriting consideration in planning decisions. They include designated heritage assets (as defined

- in the NPPF) and assets identified by the local planning authority during the process of decision-making or through the plan-making process.
- 2.7 Annex 2 also defines *Archaeological Interest* as a heritage asset which holds or potentially could hold, evidence of past human activity worthy of expert investigation at some point. Heritage assets with archaeological interest are the primary source of evidence about the substance and evolution of places, and of the people and cultures that made them.
- 2.8 A *Designated Heritage Asset* comprises a: World Heritage Site, Scheduled Monument, Listed Building, Protected Wreck Site, Registered Park and Garden, Registered Battlefield or Conservation Area.
- 2.9 Significance is defined as: The value of a heritage asset to this and future generations because of its heritage interest. This interest may be archaeological, architectural, artistic or historic. Significance derives not only from a heritage asset's physical presence, but also from its setting.
- 2.10 In short, government policy provides a framework which:
 - Protects nationally important designated Heritage Assets;
 - In appropriate circumstances seeks adequate information (from desk based assessment and field evaluation where necessary) to enable informed decisions;
 - Provides for the excavation and investigation of Sites not significant enough to merit *in-situ* preservation.
- 2.11 The NPPG reiterates that the conservation of heritage assets in a manner appropriate to their significance is a core planning principle, requiring a flexible and thoughtful approach. Furthermore, it highlights that neglect and decay of heritage assets is best addressed through ensuring they remain in active use that is consistent with their conservation. Importantly, the guidance states that if complete, or partial loss of a heritage asset is justified, the aim should then be to capture and record the evidence of the asset's significance, and make the interpretation publically available. Key elements of the guidance relate to assessing harm. An important consideration should be whether the proposed works adversely affect a key element of the heritage asset's special architectural or historic interest. Additionally, it is the degree of harm, rather than the scale of development, that is to be assessed. The level of 'substantial harm' is considered to be a high bar that may not arise in many cases. Essentially, whether a

proposal causes substantial harm will be a judgment for the decision taker, having regard to the circumstances of the case and the NPPF. Importantly, harm may arise from works to the asset or from development within its setting. Setting is defined as the surroundings in which an asset is experienced, and may be more extensive than the curtilage. A thorough assessment of the impact of proposals upon setting needs to take into account, and be proportionate to, the significance of the heritage asset and the degree to which proposed changes enhance or detract from that significance and the ability to appreciate it.

- 2.12 In considering any planning application for development, the planning authority will be mindful of the framework set by government policy, in this instance the NPPF, by current Development Plan Policy and by other material considerations.
- 2.13 The relevant Strategic Development Plan framework is provided by the London Plan Consolidated with Alterations Since 2011. The Further Alterations to the London Plan (FALP) were adopted 10 March 2015. This document includes the revised early minor alterations to the London Plan were published in October 2013. There are no changes to Policy 7.8; slight amendments have been made to the wording of Policy 7.10 World Heritage Sites, cross referencing this policy with the Supplementary Planning Guidance document for the setting of World Heritage Sites prepared in 2012. Recent Minor Alterations to the London Plan (MALP) published 14 March 2016, concern housing standards and parking, with no alteration to heritage policies.
- 2.14 Policy in the Consolidated London Plan relevant to archaeology at the Site includes the following:

POLICY 7.8 HERITAGE ASSETS AND ARCHAEOLOGY

STRATEGIC

- A. LONDON'S HERITAGE ASSETS AND HISTORIC ENVIRONMENT, INCLUDING LISTED BUILDINGS, REGISTERED HISTORIC PARKS AND GARDENS AND OTHER NATURAL AND HISTORIC LANDSCAPES, CONSERVATION AREAS, WORLD HERITAGE SITES, REGISTERED BATTLEFIELDS, SCHEDULED MONUMENTS, ARCHAEOLOGICAL REMAINS AND MEMORIALS SHOULD BE IDENTIFIED, SO THAT THE DESIRABILITY OF SUSTAINING AND ENHANCING THEIR SIGNIFICANCE AND OF UTILISING THEIR POSITIVE ROLE IN PLACE SHAPING CAN BE TAKEN INTO ACCOUNT.
- B. DEVELOPMENT SHOULD INCORPORATE MEASURES THAT IDENTIFY, RECORD, INTERPRET, PROTECT AND, WHERE APPROPRIATE, PRESENT THE SITE'S ARCHAEOLOGY.

PLANNING DECISIONS

- C. DEVELOPMENT SHOULD IDENTIFY, VALUE, CONSERVE, RESTORE, RE-USE AND INCORPORATE HERITAGE ASSETS, WHERE APPROPRIATE.
- D. DEVELOPMENT AFFECTING HERITAGE ASSETS AND THEIR SETTINGS SHOULD CONSERVE THEIR SIGNIFICANCE, BY BEING SYMPATHETIC TO THEIR FORM, SCALE, MATERIALS AND ARCHITECTURAL DETAIL.
- E. NEW DEVELOPMENT SHOULD MAKE PROVISION FOR THE PROTECTION OF ARCHAEOLOGICAL RESOURCES, LANDSCAPES AND SIGNIFICANT MEMORIALS. THE PHYSICAL ASSETS SHOULD, WHERE POSSIBLE, BE MADE AVAILABLE TO THE PUBLIC ON-SITE. WHERE THE ARCHAEOLOGICAL ASSET OR MEMORIAL CANNOT BE PRESERVED OR MANAGED ON-SITE, PROVISION MUST BE MADE FOR THE INVESTIGATION, UNDERSTANDING, RECORDING, DISSEMINATION AND ARCHIVING OF THAT ASSET.

LDF PREPARATION

- F. BOROUGHS SHOULD, IN LDF POLICIES, SEEK TO MAINTAIN AND ENHANCE THE CONTRIBUTION OF BUILT, LANDSCAPED AND BURIED HERITAGE TO LONDON'S ENVIRONMENTAL QUALITY, CULTURAL IDENTITY AND ECONOMY AS PART OF MANAGING LONDON'S ABILITY TO ACCOMMODATE CHANGE AND REGENERATION.
- G. BOROUGHS, IN CONSULTATION WITH ENGLISH HERITAGE, NATURAL ENGLAND AND OTHER RELEVANT STATUTORY ORGANISATIONS, SHOULD INCLUDE APPROPRIATE POLICIES IN THEIR LDFS FOR IDENTIFYING, PROTECTING, ENHANCING AND IMPROVING ACCESS TO THE HISTORIC ENVIRONMENT AND HERITAGE ASSETS AND THEIR SETTINGS WHERE APPROPRIATE, AND TO ARCHAEOLOGICAL ASSETS, MEMORIALS AND HISTORIC AND NATURAL LANDSCAPE CHARACTER WITHIN THEIR AREA.
- 2.15 The relevant Development Plan framework for the Site is provided by the Richmondupon-Thames Development Management Plan, adopted November 2011. Policy relevant to the Site includes:

POLICY DM HD 4 ARCHAEOLOGICAL SITES

THE COUNCIL WILL SEEK TO PROTECT, ENHANCE AND PROMOTE ARCHAEOLOGICAL HERITAGE (BOTH ABOVE AND BELOW GROUND), AND WILL ENCOURAGE ITS INTERPRETATION AND PRESENTATION TO THE PUBLIC. IT WILL TAKE THE NECESSARY MEASURES REQUIRED TO SAFEGUARD THE ARCHAEOLOGICAL REMAINS FOUND, AND REFUSE PLANNING PERMISSION WHERE PROPOSALS WOULD ADVERSELY AFFECT ARCHAEOLOGICAL REMAINS OR THEIR SETTING.

2.16 Policies relevant to below ground archaeology at the Site contained within the London Borough of Richmond upon Thames Local Plan (Pre-publication version for consultation 8th July – 19th August 2016) include the following:

New Policy LP 4 Non-Designated Heritage Assets

The Council will seek to preserve, and where possible enhance, the significance, character and setting of non-designated heritage assets, including Buildings of Townscape Merit, memorials, particularly war memorials, and other local historic features. Applicants will be required to:

- 1. retain the character of Buildings of Townscape Merit, war memorials and any other non-designated heritage assets;
- 2. assess the potential harm to, or loss of, the significance of the non-designated heritage asset, including from both direct and indirect effects;
- 3. describe the significance of the non-designated heritage asset affected, including any contribution made by their setting; the extent of the relevant setting will be proportionate to the significance of the asset. Appropriate expertise should be used to assess a non-designated heritage asset; and
- 4. retain or restore the structures, features and materials of the asset, which contribute to its architectural integrity and historic interest.

New Policy LP 7 Archaeology

The Council will seek to protect, enhance and promote its archaeological heritage (both above and below ground), and will encourage its interpretation and presentation to the public. It will take the necessary measures required to safeguard the archaeological remains found, and refuse planning permission where proposals would adversely affect archaeological remains or their setting.

Desk based assessments and, where necessary, archaeological field evaluation will be required before development proposals are determined, where development is proposed on sites of archaeological significance or potential significance.

- 2.17 In terms of relevant designated heritage assets as defined above in the NPPF, and as shown on Figure 2, no World Heritage Sites, Scheduled Monuments, Historic Battlefield or Historic Wreck designations lie within, or in immediate proximity, to the Site. In terms of relevant local designations, the Site is located within an Archaeological Priority Area as designated by the London Borough of Richmond-upon-Thames.
- 2.18 This desk based assessment therefore aims to meet relevant policy and guidance as set out above, in order to clarify the archaeological potential of the Site and therefore the need or otherwise for further mitigation measures.

3.0 GEOLOGY AND TOPOGRAPHY

3.1 Mapped Geology

- 3.1.1 The solid geology of the Site is shown by the Institute of Geological Sciences (IGS 1979) as London Clay deposits forming the London Basin. Overlying the London Clay is a series of gravel terraces deposited during periods of glacial and inter-glacial conditions (Bridgland 1996).
- 3.1.2 The underlying geology of the Site is summarised by British Geological Survey Sheet 270 (South London: 1998) to comprise Kempton Park floodplain Gravels, defined as 'Post-diversionary Thames River Terrace Deposits: gravel, sandy and clayey in part'. A thin strip of alluvium (defined as 'mainly sand, silt and clay') is shown running along the northern boundary of the Site, adjacent to the River Thames.

3.2 Site Investigation Data

3.2.1 Boreholes undertaken across the Site in the mid 1990s encountered river terrace gravels at 1.95m-3.1m AOD, overlying the London Clay, below made ground (MoLAS 1995a: 11). Site investigations undertaken in 1995, 2003 and 2015 indicate quantities of made ground up c.0.4-3.0m thick, above naturally occurring sands and gravels. The intervention logs and their location plan are reproduced at Appendix 1.

3.3 Archaeological Data

- 3.3.1 Archaeological evaluation and monitoring of the eastern part of the Site in 1995, 1996 and 1999 revealed substantial quantities of overburden dated to the Medieval, Post Medieval and Modern periods, above the gravels and alluvium, which had been truncated by concrete basement slabs and walls, brick and concrete footings and foundations, hogging, and service trenches. The top of the alluvial deposits were observed at 3.3-3.92m AOD, with the top of the sands and gravels noted at 2.6-3.6m AOD (MoLA 1995, 1996, 1999; see also Figure 21).
- 3.3.2 Archaeological evaluation undertaken within the eastern part of the Site in August 2016 revealed quantities of made ground indicating substantial horizontal truncation of the natural sequence. Naturally occurring river gravels were found at c.2.25-4.40m AOD within this part of the Site, with subsoil identified in the western and central

areas. Archaeological monitoring of SI works within the eastern part of the Site identified primarily deposits of made ground, with natural deposits identified at c.2.12-4.77m AOD, confirming the increase in the depth of made ground towards the east (PCA 2016).

- 3.3.3 Archaeological evaluation undertaken within the western part of the Site in August 2016 revealed made ground above natural geological horizons. In the evaluation trenching within this part of the Site, natural gravels were observed at c.5.04-5.06m AOD, with intact subsoil above. Within the test pits, natural gravels were observed at c.4.68-4.76m AOD, with no subsoil, indicating truncation of natural horizons (PCA 2016).
- 3.3.4 It is important to note that in all of the geotechnical and archaeological interventions undertaken at the Site to date, no deposits of peat were identified.

3.4 Deposit Model

3.4.1 The results of the Site investigation logs and the 2016 archaeological evaluation are shown in deposit model format at Figures 21-22, providing a vertical profile of the site's underlying make up and geology. The east-west transect through the Site demonstrates the varying thickness of the made ground and the varying heights of the naturally occurring deposits. As a general trend, the heights of the natural geology drop from west to east, and the thickness of the made ground increases, to the east, however the thickness of the made ground and the height of the made ground does vary across the Site. The short north-south transect also shows varying thicknesses of made ground. The presence of varying thicknesses of made ground beneath the Site represents the varying levels of impact through previous and existing development.

3.5 Topography

- 3.5.1 The modern topography of the Site is generally level, with a slight drop from south to north, and west to east. The Site to the west of Ship Lane is generally level at c.4.99-6.40m AOD; the Site to the east of Ship Lane is generally level at c.4.5-6.0m AOD.
- 3.5.2 However it is believed that the natural topography prior to development included a steeper drop towards the river than is present today, suggesting that substantial landforming and river revetment has been carried out across the northern parts of the

Site. This was borne out by the results of an archaeological watching brief carried out in 1996 (MoLA 1996). There may also have been a natural, gradual drop in height from west to east (PCA 2016).

3.5.3 Mortlake lies on the southwestern side of the arc of a bend in the River Thames. The river flows from northwest to northeast beyond the northwestern boundary of the Site, and abuts the northeastern boundary.

4.0 ARCHAEOLOGICAL AND HISTORICAL BACKGROUND, WITH ASSESSMENT OF SIGNIFICANCE

(Including Historic Map Regression exercise)

4.1 Timescales used in this report:

Prehisto

Palaeolithic	450,000 -	12,000 BC
Mesolithic	12,000 -	4,000 BC
Neolithic	4,000 -	1,800 BC
Bronze Age	1,800 -	600 BC
Iron Age	600 -	AD 43

Historic

Roman	AD 43 -	410
Anglo-Saxon/Early Medieval	AD 410 -	1066
Medieval	AD 1066 -	1485
Post Medieval	AD 1486 -	1749
Modern	AD 1750 -	Present

4.2 <u>Introduction</u>

- 4.2.1 What follows is a consideration of archaeological finds and features from within a 750m radius of the Site, also referred to as the study area, held on the Greater London Historic Environment Record (GLHER), together with a map regression charting the history of the Site from the eighteenth century until the present day.
- 4.2.2 In terms of relevant nationally significant designated heritage assets, as defined above in Section 2 and as shown on Figure 2, no World Heritage Sites, Scheduled Monuments, Historic Battlefield or Historic Wreck Sites have been identified within the Site or its immediate vicinity. The Site lies within the Mortlake and Barnes Archaeological Priority Area (APA), as defined by the London Borough of Richmond upon Thames (GLHER ref DLO33477, TQ2125 7615). The northern boundary of the Site abuts the Thames Foreshore and Bank APA, related to archaeology from all past periods of human activity, particularly the prehistoric (DLO33481, TQ1815 7383).

- 4.2.3 Many of the finds of prehistoric material have been given a generic grid reference (TQ2050 7600) which places their location within the Site. However, it is probable that in fact these discoveries have been made in the general Mortlake area, possibly from the River Thames, and have therefore been 'rounded up' on the designated grid point. Unfortunately, this lessens the effectiveness of these findspots when reviewing potential.
- 4.2.4 The GLHER indicates that several known archaeological Sites and findspots occur within the Site, most notably the Medieval Archbishop's Palace on the eastern part of the Site, together with the early Post Medieval palace of the Earl of Essex, Thomas Cromwell, on the western part of the Site (see Sections 4.7 and 4.8 below).
- 4.2.5 Four phases of investigative archaeological works have been undertaken within the Site. Evaluation and two phases of watching brief have been undertaken on the eastern part of the Site in 1995, 1996 and 1999. This work revealed ploughsoils/ garden soils dating from the Medieval period onwards, together with Medieval, Post Medieval and Modern walls and foundations. Most recently, archaeological evaluation within both the western and eastern sides of the Site has revealed extensive horizontal truncation, however with intact subsoil above natural sands and gravels in places, together with traces of nineteenth century buildings, a large piece of decorated masonry which may relate to Medieval/Post Medieval activity, albeit discovered in a modern context, and a cut feature (see paragraphs 4.7.23-4 below; Figure 20; MoLAS 1995, 1996 and 1999; PCA 2016; ELO4480, TQ2046 7606).

4.3 Prehistoric - Palaeolithic and Mesolithic

- 4.3.1 Kempton Park Gravels, which underlie the study Site, have been categorised as part of the Devensian Stage, the last glacial stage of the British Pleistocene epoch. Organic material within the Kempton Park Gravels has been dated to c.45,000-30,000 BP, within the Middle Devensian Stage. While vertebrate remains have been identified within the Kempton Park Gravels, the identification of archaeological artefacts to date has not been common (Gibbard 1994: 90).
- 4.3.2 Within the study area, a small Palaeolithic flint flake has been identified southeast of the Site, at a depth of c.4.5 metres in sand, c.275 metres from the River Thames (MLO20853, TQ205 755). A small handaxe was also identified in 1903-4, the grid

- reference places the location of this find within the eastern part of the Site (MLO13286, TQ2050 7600).
- 4.3.3 Finds of Mesolithic date have included three tranchet axes and Thames Picks, two within the northwestern part of the Site (MLO18147, TQ2030 7610) and another from the general Mortlake area (MLO18370 TQ2050 7600).
- 4.3.4 In view of the finds identified within the study area the potential of the Site for the Palaeolithic and Mesolithic can be categorised as moderate. It is interesting to note an absence of peat deposits within the site investigation data and from the archaeological fieldwork undertaken to date at the Site; alluvial deposits were recorded in the 1995 archaeological fieldwork (see paragraph 4.2.5 above; also Section 3 above and Appendix 1).

4.4 Neolithic, Bronze Age and Iron Age

- 4.4.1 Quantities of Prehistoric finds from the general Mortlake area include Neolithic axeheads (MLO18921) Neolithic pottery (MLO19094) Bronze Age horn hammerheads (MLO18979, MLO19105), Bronze axeheads (MLO18980, MLO23453), and Bronze ingots (MLO14382).
- 4.4.2 Undiagnostic prehistoric finds and features have been identified to the east of the Site along Mortlake High Street, at Nos 61-69 (MLO71683, TQ2070 7600), at Nos 77-91 (ELO161, MLO75689, TQ2071 7599; MLO75660, MLO77301, TQ2077 7601), and at No 105 (MLO71386, TQ2084 7599).
- 4.4.3 Quantities of Neolithic and Bronze Age artefacts, including pottery, metalwork and flintwork, have been identified in the vicinity of Townmead Road, northwest of the Site (ELO956, MLO76430, TQ19790 76410). Shallow pits, gullies and well abraded pottery dated to the Bronze Age and Iron Age have been identified at 107 Mortlake High Street, east of the Site (ELO4090, MLO67490-91, TQ2085 7600).
- 4.4.4 In view of the finds of Neolithic, Bronze Age and Iron Age date within the study area, the potential of the Site itself for these periods can be identified as moderate. Evidence for land division and agricultural activity may be represented. It is interesting to note an absence of peat deposits within the Site investigation data and from the archaeological fieldwork undertaken to date at the Site; alluvial deposits were

recorded in the 1995 archaeological fieldwork (see paragraph 4.2.5 above; also Section 3 above and Appendix 1).

4.5 Roman

- 4.5.1 No archaeological finds or features of Roman date have been identified on the GLHER within a 750m radius of the Site.
- 4.5.2 A correspondingly low archaeological potential can be identified for the Roman period at the Site itself.

4.6 Anglo-Saxon

4.6.1 The manor and settlement at Mortlake was evidently an extensive and prosperous one in the Late Saxon period, in the ownership of the Archbishops of Canterbury, as indicated by its entry in Domesday Book (1086):

The Archbishop holds Mortlake himself, in lordship. Before 1066 it answered for 80 hides. The Canons of St Paul's hold 8 of these hides, which paid and pay tax with these. Now they pay tax together for 25 hides. Land for 35 ploughs. In lordship 5 ploughs;

80 villagers and 14 smallholders with 28 ploughs.

A church; 16 slaves

2 mills at 100s; meadow, 20 acres; from the woodland, 55 pigs from pasturage.

In London there were 17 dwellings which paid 52d; in Southwark 4 dwellings at 27d; from the village of Putney 20s from tolls.

1 fishery without dues. Before 1066 Earl Harold had this fishery in Mortlake. Archbishop Stigand had it for a while after 1066. However [the jurors] state that Harold established it by force before 1066 on Kingston land, and on St Paul's land.

Value of the whole manor before 1066 £32; later £10; now £38.

- 4.6.2 Mortlake is recorded in Domesday Book as *Mortelage*, which is thought to derive from a stream with young salmon, and perhaps refers to the fishery mentioned in the entry, probably situated on a now vanished tributary of the Thames (VCH Surrey 1912: 69-74; Weinreb, Hibbert & Keay 2008: 561).
- 4.6.3 No finds of Anglo-Saxon date have been identified within a 750m radius of the Site. In view of this the potential for this period at the Site can be categorised as generally low, although evidence of agricultural activity and land division could conceivably be present.

4.7 Medieval

- 4.7.1 The site of the Medieval Archbishops Palace at Mortlake has been identified on the eastern side of Ship Lane, within the Brewery complex at the Site. It is known to have been a residency of the See of Canterbury from 1099 and remained in the ownership of the Archbishops until the sixteenth century. Brickwork dated to 'the time of the Plantagenets' (1154-1485 AD) was identified here in 1817 (MLO19136, TQ2046 7606; Phillips 1817). Also in 1817, a walled up gateway interpreted as part of the Archbishops Palace was noted within the eastern part of the Site (MLO48473, TQ2046 7606); a Chapel was also present within the palace precinct, present since at least 1095 (MLO48474, TQ207 763; MoLAS 1995a: 16), with associated human remains (MLO48488, TQ207 763) and a summerhouse fronting the river (MLO48487, TQ207 763; see paragraph 4.7.7). Figure 5, which reproduces a section of Samuel Leigh's Panorama of the Thames from London to Richmond undertaken in 1829, shows a section of wall east of Ship Lane fronting the river on the northern boundary of the Site, which has been interpreted as part of the Medieval palace precinct wall.
- 4.7.2 Analysis of documentary sources has identified probable areas of Medieval land use on the eastern side of the Site. The results are reproduced on plan at Figure 19, and demonstrate three principal zones: the site of the Archbishops Palace to the west, the church and cemetery to the east, and residential occupation along both sides of Thames Street to the southeast. It is believed that the western side of the Site, west of Ship Lane, comprised open agricultural and horticultural land during the Medieval period.
- 4.7.3 The church referred to in Domesday in the Manor of Mortlake is believed to have existed at Wimbledon, c.5 miles to the south of the Site (Manning & Bray 1814: 306; VCH 1912: 69-74; MoLAS 1995a: 14). However, a church was licensed in 1349 and constructed west of the present building in Mortlake, to save the villagers the trip to Wimbledon (VCH 1912: 69-74). This church has been sited within the eastern end of the Site, within the curtilage of the manor house, on the opposite side of the high street from the existing church (MoLAS 1995a: 20-23). It was demolished and moved to its present site, to the southeast of the Site by Henry VIII in 1543 (MLO19129, TQ2084 7599).
- 4.7.4 Archaeological fieldwork undertaken within the eastern part of the Site, between Ship Lane and Bulls Alley, revealed alluvial deposits containing tile and pottery dating to

the Medieval period onwards (MoLAS 1995b) together with ploughsoils of possible Medieval date, truncated by Medieval walls and foundations (MoLAS 1996; MLO67935, TQ2046 7606). Recent evaluation on the western part of the Site revealed a large piece of decorated masonry which may relate to the documented Medieval/Post Medieval activity, albeit discovered in a modern context (PCA 2016).

- 4.7.5 Beyond the eastern end of the Site, evidence for dumping thought to demonstrate enwharfment during the Medieval period was identified at 105 Mortlake High Street to the east (MLO71387, TQ2084 7599). Alluvial silts dated to the Medieval period, together with building material, refuse and pottery dated to the 13th-15th Centuries has been identified at 107 Mortlake High Street (MLO67492, TQ2085 7600). Two lines of stake and postholes were revealed at 77-91 Mortlake High Street, with remains indicating that from the fifteenth century two burgage plots were developed with buildings (ELO162, MLO77303, MLO77304, TQ2077 7601), and a well, ditches and pits were identified at Tapestry Court (ELO148, MLO75647, MLO77281, TQ2077 7600).
- 4.7.6 A wharf dated by documentary references to the fifteenth century existed at the northern end of Ship Lane, adjacent to the Site's northern boundary (MLO72098, TQ2040 7610). A sherd of Surrey Hampshire Coarse Borderware pottery was found at 10 Thames Bank, northwest of the Site (MLO72157, TQ2037 7611).
- 4.7.7 The potential of the eastern part of the Site for the Medieval period can therefore be categorised as high. Figure 19 summarises the Medieval landuse in this area, which potentially includes remains of the Bishops Palace, chapel and manorial centre, the fourteenth century church and associated cemetery, together with residential occupation and activity associated with Mortlake village to the southeast.
- 4.7.8 The western part of the Site, west of Ship Lane, is most likely to have comprised open land during the Medieval period, used for agriculture and/or horticulture. Evidence of such activity together with land division is most likely to be present on this side of the Site. The archaeological potential of this part of the Site is therefore categorised as generally low.
- 4.7.9 In spite of the generally negative results of intrusive archaeological fieldwork within the Site, it is considered likely that archaeological remains of Medieval date may remain at depth below the Site, through the identification of fragmentary remains of possible Medieval date, together with intact subsoils above natural sands and gravels.

4.8 Post Medieval and Modern (including map regression exercise)

- 4.8.1 It is thought that brewing was taking place in Mortlake by the very early Post-Medieval period, established by John Morgan c.1487 to supply the household of Henry VII. The site of the brewery is thought to have lain within the eastern part of the Site, adjacent to the Archbishops Palace (Watneys London n/d; Port of London 1984). This brewery is likely to be simply a facility within a palace, rather like a bakery or a blacksmiths, instead of a commercial enterprise.
- 4.8.2 A large house was recorded as being constructed on the east side of Williams Lane, within the western boundary of the Site, after 1493 by a brewer named John Williams. This house is subsequently thought to have been occupied by Sir Thomas Cromwell, Earl of Essex (information from Barnes & Mortlake History Society website), and it became known as Cromwell House (MLO1753, TQ2020 7605).
- 4.8.3 The Archbishop of Canterbury exchanged the manor of Mortlake with Henry VIII for other lands in 1535-6 (VCH 1912: 69-74). The king granted the Manors of Mortlake and Wimbledon to Cromwell in 1536, who is believed to have undertaken much building work there. Cromwell was an English lawyer and statesman, who served as Henry VIII's chief minister 1532-1540. He rose to power as an advocate of the Church of England and presided over the Dissolution of the monasteries (Leithead 2004/2009). A letter from Richard Tomyow to Henry VIII in 1536 references 'Mortlake, where Cromwell's servants are in health and his building ariseth fair' (VCH 1912: 69-74; Barnes & Mortlake History Society website). It can therefore be conjectured that Cromwell rebuilt or significantly added to the existing house built by John Williams, perhaps utilising materials from the former Archbishops Palace to the east.
- 4.8.4 The Site of a manor house has been established close to the Thames on the eastern side of Ship Lane, within the central part of the study Site towards the northern boundary, possibly associated with the former Archbishops Palace (VCH 1912: 69-74; Barnes & Mortlake History Society website). Cromwell appears to have sold the manors of Mortlake and Wimbledon back to Henry VIII in 1540, prior to his execution in July of that year.
- 4.8.5 The king may have utilised Mortlake as a residence after Cromwell's execution; in 1543 he ordered the demolition of the existing church and its reconstruction beyond the Site boundary (MLO19129, TQ2084 7599; VCH 1912: 69-74). In 1543-4 Henry

VIII granted the manors of Mortlake and Wimbledon to Katherine Parr and she held the manor until her death in 1548. The manor of Mortlake subsequently became merged with that of Wimbledon, which had become the head manor at the beginning of the 1540s. A succession of owners subsequently possessed the manors (VCH 1912: 69-74).

- 4.8.6 At least part of the former Bishops Palace is thought to have still been extant in 1663, and by the late seventeenth century the gatehouse and associated buildings were in use as an inn. The Palace is recorded as having been largely demolished after 1700, but garden walls were apparently extant in 1812 (Manning & Bray 1814: 306; MoLAS 1995a). The earliest available map which shows the Site in any detail, John Rocque's Survey of London (Fig 3: 1745) shows the former palace site devoid of buildings, and occupied by market gardens. The site of Cromwell House, towards the centre of the western boundary, is shown occupied a range of buildings fronting a lane running east-west towards the centre of the Site. The southeastern part of the Site and much of the southern boundary has been developed with houses, with a meadow in the southwestern corner, and further areas of market garden present towards the centre of the Site.
- 4.8.7 Cromwell House, within the western boundary of the Site, remained in occupation throughout the seventeenth, eighteenth and nineteenth centuries. Upon the death of Valentina Aynscombe in 1841 however, the house fell into disrepair, and it was finally demolished in 1857. Another house named Cromwell House was built to the northwest of the study Site, fronting the river (Barnes & Mortlake History Society website).
- 4.8.8 Archaeological fieldwork undertaken within the eastern side of the Site, between Ship Lane and Bulls Alley, revealed Post Medieval ploughsoils, walls and foundations, including a wall of probable eighteenth century date (MoLAS 1995b, 1996). Recent evaluation on the western part of the Site revealed a large piece of decorated masonry which may relate to the documented Medieval/Post Medieval activity, albeit discovered in a modern context (PCA 2016).
- 4.8.9 Documentary references to commercial brewing at Mortlake date to 1765, when court rolls mention two small breweries adjacent to each other on either side of Thames Street, within the southeastern part of the study Site (Brown 1997: 34). It is this brewery, rather than the fifteenth century establishment, which is the most likely origin of the existing brewing facility.

- 4.8.10 The Lindley & Crossley Map of Surrey (Fig 4: 1793) shows little change within the Site from Rocque's survey. In 1807, James Weatherstone and his partner extended their brewery fronting Thames Street northwards to the river (Brown 1997: 34).
- 4.8.11 Observations made in 1817 referred to upstanding masonry dated 'to the time of the Plantagenets' on the site of the Medieval Archbishops Palace east of Ship Lane fronting the river (see paragraph 4.6.1 above). A painting of the river at Mortlake by WH Harriot, dated 1824, together with Samuel Leigh's *Panorama of the Thames from London to Richmond* undertaken in 1829 (Figure 5), both appear to show survival of the precinct wall around the former Medieval palace, including buttresses and the feature identified as a summer house, fronting the river on the Site's northern boundary.
- 4.8.12 The Mortlake Tithe Map (Fig 6: 1839) and the associated Award shows the Site occupied by brewery buildings at the eastern end, with buildings fronting the west side of Ship Lane which runs through the centre of the Site, Mortlake High Street on the southern boundary, and the road running east-west through the centre of the Site. The bulk of the remainder of the Site comprises horticultural land and meadow. The parcel of land in the southeastern corner, between Thames Street and the High Street, is shown fully developed.
- 4.8.13 In 1852, the Mortlake brewery was bought by Charles John Phillips, who expanded the facility significantly (Brown 1997: 35).).
- 4.8.14 The First Edition Ordnance Survey (Fig 7: 1865) shows the expansion of the brewery towards the river from the road to the south. A large house named *The Cedars* is shown adjacent, which is known to have been basemented (information from Richmond Local Studies Library). A riding school is shown to the east of Ship Lane, where an L-shaped lane has been laid out. Further residential development is shown along the southern boundary. The site of Cromwell House is indicated within the western boundary of the Site, while the extent of the Bishops Palace is shown on the eastern part of the Site, fronting the river. The land between Thames Street and Mortlake High Street to the southeast is shown partially cleared to the west, with intact brewery buildings to the east.
- 4.8.15 The line of Thames Street, within the southeastern part of the Site, was absorbed into the brewery complex in 1865. Figure 8 comprises a plan showing the extent of what

became part of the Site. Phillips acquired the freehold of substantial areas of land along the riverside in 1865, after which buildings including a tithe barn (probably of Late Medieval origin) docking house, shop and stable, slaughterhouse, lofts and blacksmiths workshop were demolished. The new brewery included the brick wall still present along the north side of Mortlake High Street (Brown 1997: 36; Cherry & Pevsner 1999: 514-5.

- 4.8.16 The Second Edition Ordnance Survey (Fig 9: 1896) shows the absorption of Thames Street within the Site, and the brewery's dominance east of Ship Lane. Further development is shown along Cromwell Road, which runs east of Ship Lane. West of Ship Lane, a building labelled *Fairfax*, probably a large house, has been built towards the centre of the Site, with buildings formerly fronting the west side of Ship Lane now demolished.
- 4.8.17 The brewery at Mortlake was taken over by Watneys in 1898. In 1903, an eight storey maltings was constructed on the river frontage (Brown 1997: 36; Port of London 1984). This was constructed on the Site of the riding school, on the east side of Ship Lane fronting the river.
- 4.8.18 The 1907 GOAD Insurance Plan (Fig 10) shows the eastern part of the Site, between Ship Lane and Bulls Alley, occupied by the *Watney Coombe Reid & Co Limited Mortlake Brewery*. The functions of various buildings within the brewery complex are shown, which at this time included beer stores, engine rooms, tun rooms, bottling and sugar stores, cask washing areas, wheelwrights, smithy, stables and paint shops, with the 1903 malthouse shown in the northwestern corner. Basements are shown beneath "E" *Beer Store No 4* towards the eastern end, and beneath the tun rooms fronting the river, with buildings varying in height from one to eight storeys. Residential houses are shown fronting Guildford Place (formerly Cromwell Road) within the centre of the Site.
- 4.8.19 The Third Edition Ordnance Survey (Fig 11: 1913) shows little change across the eastern part of the Site from the earlier GOAD plan. Through the middle of the Site, between Aynscombe Lane and Ship Lane, West Street has been laid out, with houses either side and allotment gardens to the north. The western part of the Site remains primarily open land.

- 4.8.20 The Revised Ordnance Survey (Fig 12: 1940) shows alterations within the main brewery complex, together with the replacement of the allotment gardens north of West Road, in the centre of the Site, with a single large building. Buildings have also been constructed on the northern edge of the cricket ground, including a pavilion on the western boundary. The site of the brewery is thought to have received only minor damage during World War Two (James 1963: 168; Barnes & Mortlake Historical Society 2004).
- 4.8.21 The 1952-1961 composite Ordnance Survey (Fig 13) shows redevelopment of the northwestern part of the brewery, east of Ship Lane between 1953 and 1961, and additions to the pavilion in the northwestern corner of the sports ground. Figure 14 reproduces an aerial photo of 1962 which shows in the foreground two large pavilions occupying the northwestern and northeastern corners of the sports ground.
- 4.8.22 The bulk of the mid nineteenth century and later brewery buildings were demolished in the 1970s and replaced by the modern industrial brewing facility occupying the Site today. Several alleys, streets and paddocks were removed in the process, which extended the brewery west of Ship Lane (Brown 1997: 36; Cherry & Pevsner 1999: 515). There were several significant fires at the Brewery complex during the later twentieth century, which resulted in significant reconstruction (information from Richmond Local Studies Library).
- 4.8.23 The 1965-1968 composite Ordnance Survey (Fig 15) shows the repositioning of the pavilion within the northeast corner of the cricket ground, the demolition of buildings along the southern boundary and the construction of a circular building at the main entrance. The buildings fronting Mortlake High Street on the southeastern boundary have been modified, and a new building constructed at the eastern end.
- 4.8.24 Three phases of fieldwork were carried out by the Museum of London Archaeology Service (MoLAS) including an evaluation in 1995, followed by monitoring programmes during 1996 and 1999. The reports indicate that *in-situ* river terrace gravels were observed, together with ploughsoils, garden soils, walls and foundations dating from the Medieval period to the eighteenth century (MoLAS 1995b, 1996, 1999).
- 4.8.25 The above work was carried out prior to the construction of the lager bottling plant currently occupying the centre of the eastern part of the Site. The plant comprises an

- open plan warehouse with a raft base and piled foundations, and required the reduction of the ground level by 1.2m within its footprint (MoLAS 1995a).
- 4.8.26 Archaeological evaluation undertaken across the Site in 2016 revealed traces of nineteenth century buildings together with Post Medieval and Modern truncation (PCA 2016).
- 4.8.27 The 1992-1998 composite Ordnance Survey (Fig 16) shows the redevelopment of the eastern side of the Site in progress. Substantial detached brewery buildings have been constructed through the centre of the Site, replacing West Street and its associated structures. Additional buildings have also been constructed in the northwestern corner, and a new club house has been constructed on the eastern boundary of the sports ground. The building formerly known as Fairfax on the northern boundary west of Ship Lane has been demolished.
- 4.8.28 The 2009 Ordnance Survey (Fig 17) shows the Site as it remains today, occupied by the buildings of the brewery, with the sports ground and pavilion to the southwest. In comparison with the 1992-1998 survey the scale of recent redevelopment on the eastern side of the Site is clearly evident.
- 4.8.29 The current Site survey (Fig 18) shows no substantial changes within the Site.
- 4.8.30 The potential of the Site for the Post Medieval and Modern periods can be categorised as high. Remains of Cromwell House (c.1491-1857) may survive within the northwestern boundary of the Site; remains associated with the former Archbishops Palace may survive east of Ship Lane (apparently extant until the early/mid nineteenth century) together with village activity and occupation in the southeastern corner, prior to absorption into the brewery complex in 1865. Across the whole of the Site, remains associated with previous phases of the brewery dating from the eighteenth century are likely to survive below the existing facility.
- 4.8.31 In spite of the generally negative results of intrusive archaeological fieldwork within the Site, it is considered likely that archaeological remains of Post Medieval date may remain at depth below the Site, through the identification of fragmentary remains of possible Post Medieval date, together with intact subsoils above natural sands and gravels.

4.9 <u>Assessment of Significance</u>

- 4.9.1 Existing national policy guidance for archaeology (the NPPF as referenced in section 2) enshrines the concept of the 'significance' of heritage assets. Significance as defined in the NPPF centres on the value of an archaeological or historic asset for its 'heritage interest' to this or future generations.
- 4.9.2 No archaeological designated heritage assets as defined in the NPPF are recorded on or in close proximity to the Site. In terms of local designations, the Site lies within an Archaeological Priority Area as defined by the London Borough of Richmond upon Thames.
- 4.9.3 Overall, it is possible that archaeological remains of national significance may be present within the Site boundary, relating to the known presence of the Site of the Medieval palace and parish church, together with village settlement, and the Renaissance mansion to the west.

5.0 <u>SITE CONDITIONS AND THE PROPOSED DEVELOPMENT</u>

(Review of potential impact upon Heritage Assets)

5.1 <u>Site Conditions</u>

- 5.1.1 The Site is currently occupied by the buildings of the Mortlake Brewery complex, dating to the nineteenth and twentieth centuries, with a sports ground and pavilion occupying the southwestern corner (Fig 18).
- 5.1.2 The construction of the existing brewing facility is considered likely to have had a cumulative, severe destructive impact on underlying archaeological deposits.
- 5.1.3 The construction and demolition of buildings formerly occupying the Site can be considered likely to have had a severe negative impact on any underlying archaeological deposits through the cutting of foundations and services, and in particular any basements or cellars formerly present. This will include previous phases of the brewery (see paragraph 4.8.17 above) together with domestic buildings (see paragraph 4.8.10 above).
- 5.1.4 The negative impact of previous and existing development is demonstrated by the results of archaeological works undertaken within the Site to date (see paragraph 4.2.5 above). Figures 21-22 reproduce the deposit model which demonstrates the extent of made ground across the Site, while Figure 29 identifies areas of existing and previous basements.
- 5.1.5 Phases of landforming across the Site, including revetment along the Thames frontage of the Site and levelling of the natural topography, are thought to have been carried out from the Medieval period into the eighteenth century. These are considered likely to have buried the original land surface of the northern part of the Site below several metres of made ground (see paragraph 3.4.2 above). This process has the potential to have preserved archaeological remains at depth.
- 5.1.6 The bulk of the sports ground occupying the southwestern corner of the Site appears to have remained undeveloped within its documented history. The insertion of drainage and any floodlighting measures can be considered to have had a severe but localised archaeological impact through the cutting of services.

5.1.7 Any agricultural and/or horticultural use of the Site prior to development can be considered to have had a moderate, widespread negative archaeological impact.

5.2 <u>Proposed Development</u>

5.2.1 Draft proposals include the mixed use, residentially led redevelopment of the Site, to include areas of basement to the west and east of Ship Lane (see Figures 23-28).

5.3 Review of Potential Impact

- 5.3.1 In view of the Site's known archaeological potential, combining the Medieval palace, church and part of Mortlake village to the east, with the early Post Medieval mansion of Cromwell House to the west, together with related activity, any redevelopment of the Site could potentially have a detrimental archaeological impact upon remains deemed to be of national significance.
- 5.3.2 Previous archaeological work within the Site has indicated significant truncation as a result of successive phases of the brewery which has occupied the Site since the eighteenth century (see section 3 above and Figs 21-22). However, surviving Medieval and Post Medieval deposits have been noted below modern development, together with intact subsoil and natural sands and gravels, where archaeological remains may be present.
- 5.3.3 The bottom of the proposed basement slab within the eastern part of the Stag Brewery component of the Site (east of Ship Lane) would be set at 0.76m OD. This area of the Site recorded natural terrace gravels at between 4.4m and 2.68m OD, so the proposed basement would likely impact on any archaeological structures or deposits present (see Figure 22). The proposed foundation design for all buildings within the eastern part of the Stag Brewery component of the Site (east of Ship Lane) would comprise a 1m deep piled raft, with the exception of the proposed cinema area which would be founded in 1m deep local pile caps with 1m deep ground beams. Below the foundations, all buildings would have an expanse of piles (3 to 5 per column) that would be 600mm in diameter and extending down 25m in length.
- 5.3.4 The maximum extent for the proposed basement within the west part of the Stag Brewery component of the Site (west of Ship Lane), would be set at 2.45m OD. The natural gravel in this area of the Site was recorded at between 5.6 and 4.68m OD, so

- the proposed basement would also likely impact on any archaeological structures or deposits present in this area of the Site (see also Figure 22).
- 5.3.5 In addition to the above, the new river wall would be formed of a sheet pile wall with an *in-situ* reinforced concrete capping beam. The toe level of the sheet pile wall would be set at -1m AOD.
- 5.3.6 It is considered that the archaeological fieldwork and desk based assessment undertaken to date has sufficiently characterised the Site. Site restrictions due to the presence of existing buildings together with associated internal and external plant also preclude the application of additional targeted exploratory archaeological fieldwork, prior to demolition.
- 5.3.7 Given the absence to date of identified appropriate geological horizons, it is not proposed to progress geoarchaeological/palaeoenvironmental work at the Site.
- 5.3.8 Given the likely archaeological potential, further archaeological works are proposed in the form of a phased evaluation programme, following demolition, with further works dependant upon the results of the evaluation. Additionally it is anticipated that a programme of historic building recording for the extant Brewery buildings will also be required. Such work can follow the granting of planning consent, secured by condition.
- 5.3.9 The above approach to archaeological mitigation has been discussed and approved by the Greater London Archaeological Advisory Service (GLAAS) officer for the London Borough of Richmond upon Thames, Laura O'Gorman (see Appendix 2).

6.0 SUMMARY AND CONCLUSIONS

- 6.1 The Site of the Stag Brewery, Mortlake, has been reviewed for its below ground archaeological potential.
- 6.2 In accordance with relevant government planning policy and guidance, a desk based assessment has been undertaken to clarify the archaeological potential of the study area.
- 6.3 In terms of relevant nationally designated heritage assets, no World Heritage Sites, Scheduled Monuments, Historic Battlefield or Historic Wreck Sites lie within or in immediate proximity to the Site.
- 6.4 In terms of relevant local designations the Site lies within the Mortlake and Barnes Archaeological Priority Area, as defined by the London Borough of Richmond upon Thames.
- The Site is considered likely to have a moderate potential for the Prehistoric periods.

 Original land surfaces within the Site are thought to be buried beneath made ground and later structures, where not truncated by subsequent development.
- 6.6 The Site is considered likely to have a generally low potential for the Roman and Anglo-Saxon periods.
- 6.7 The eastern side of the Site is considered likely to have a high potential for the Medieval period. The eastern part of the Site is known to contain the site of an Archbishops Palace, together with a chapel or church, with part of the Medieval village to the southeast. The western part of the Site is understood to have comprised principally open fields during the Medieval period, with a correspondingly generally low archaeological potential.
- 6.8 The Site is considered likely to have a high potential for the Post Medieval and Modern periods. The Renaissance mansion of Sir Thomas Cromwell is known to lie on the western part of the Site, while the brewery developed on the eastern part from the eighteenth century onwards.

- 6.9 Past post-depositional impacts within the Site are considered to have been severe and cumulative as a result of previous and existing phases of development, particularly the construction and demolition of phases of the Mortlake Brewery across the Site during the nineteenth and twentieth centuries.
- 6.10 Programmes of archaeological fieldwork undertaken across the Site have revealed Medieval and Post Medieval deposits, together with substantial modern deposits and post depositional impacts.
- 6.11 Redevelopment of the Site can be considered likely to have an adverse archaeological impact.
- 6.12 On the basis of the available information it is proposed to progress archaeological mitigation measures in the form of a phased archaeological evaluation programme, following demolition and Site clearance, with further excavation work dependant upon the results of evaluation. Additionally, a programme of historic building recording on the extant Brewery buildings is also anticipated.
- 6.13 The above mitigation strategy has been discussed and approved by the planning authorities' archaeological advisor.
- 6.14 Such work would necessarily follow the granting of planning consent, secured by relevant condition(s).

SOURCES CONSULTED

1. General

Barnes & Mortlake History Society (website)

British Library

Greater London Historic Environment Record

London Archaeological Archive and Research Centre

Richmond Local Studies Library

Society of Antiquaries Library

2. Internet

http://archaeologydataservice.ac.uk

http://www.barnes-history.org.uk/BandMmap/Cromwell.html

http://www.britainfromabove.org.uk/

http://www.british-history.ac.uk/

https://finds.org.uk/database/

https://www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html

https://www.historicengland.org.uk/listing/the-list

https://opendomesday.org.uk

http://www.pastscape.org.uk

http://planningguidance.planningportal.gov.uk

3. **Bibliographic**

Anderson A History of Mortlake 1886

Barnes & Mortlake History Society Watneys at War unpublished talk April 2004

Bridgland Quaternary River terrace deposits as a framework for the Lower Palaeolithic record in Gamble & Lawson (eds.) The *English Palaeolithic Reviewed* 1996

Brown Barnes and Mortlake Past with East Sheen 1997

British Geological Survey British Regional Geology *London and the Thames Valley* Fourth Edition 1996

CgMs Consulting Written Scheme of Investigation for Archaeological Evaluation Stag Brewery Mortlake June 2016 unpublished document

Chartered Institute for Archaeologists Standard & Guidance for historic environment desk based assessment August 2014 unpublished document

Cherry, Nairn & Pevsner Buildings of England Surrey 2nd Edition 1971

Cherry & Pevsner Buildings of England London 2: South 1999

Department of Communities and Local Government *National Planning Policy Framework* 2012

Domesday Book Surrey 1975 Phillimore Edition

Gibbard The Pleistocene History of the Lower Thames Valley 1994

Greater London Archaeological Advisory Service *Guidelines for Archaeological Projects in Greater London* April 2015 unpublished document

Hedgecock Hand in Hand Watneys Mortlake World 2007

Historic England (formerly English Heritage) Conservation Principles, Policies and Guidance for the Sustainable Management of the Historic Environment 2008

Historic England Historic Environment Good Practice Advice in Planning: 1 The Historic Environment in Local Plans July 2015 unpublished document

Historic England Historic Environment Good Practice Advice in Planning: 2 Managing Significance in Decision-Taking in the Historic Environment July 2015 unpublished document

Historic England *Historic Environment Good Practice Advice in Planning: 3 The Setting of Heritage Assets* July 2015 unpublished document

James The Red Barrel A History of Watney Mann 1963

Leigh The Panorama of the Thames from London to Richmond 1829

Leithead *Cromwell, Thomas, earl of Essex* in Dictionary of National Biography 2004/2009

London County Council Names and Streets and Places in the Administrative County of London 1955

London Topographical Society/London & Metropolitan Archives *The London County Council Bomb Damage Maps* 1939-1945, 2005

Loobey Britain in Old Photographs Barnes, Mortlake and Sheen 1995

Manning & Bray The History and Antiquities of Surrey Volume 3 1814

MoLAS/English Heritage *The Archaeology of Greater London: An Assessment of archaeological evidence for human presence in the area now covered by Greater London* 2000

Museum of London Archaeology Service *The Stag Brewery High Street Mortlake An Archaeological Impact Assessment* unpublished document 1995

Museum of London Archaeology Service *The Stag Brewery High Street Mortlake An Archaeological Evaluation* unpublished document March 1995

Museum of London Archaeology Service *The Stag Brewery High Street Mortlake An Archaeological Watching Brief* unpublished document March 1996

Museum of London Archaeology Service *The Stag Brewery High Street Mortlake An Archaeological Watching Brief* unpublished document July 1999

Museum of London A research framework for London archaeology 2002 Phillips Walk from London to Kew 1817

Port of London Mortlake Brewery 1984

Pre-Construct Archaeology An Archaeological Evaluation at the Stag Brewery, Lower Richmond Road, Mortlake, London Borough of Richmond upon Thames SW14 7ET November 2016 unpublished document

Richmond & Twickenham Times 1 October 1982

Richmond & Twickenham Times 8 December 1995

Serocold (ed.) The Story of Watneys 1949

Victoria County History Surrey Volume 4 1912

Watneys London - Mortlake Brewery n/d

Weinreb, Hibbert & Keay (eds.) The London Encyclopaedia 2008

Wymer The Lower Palaeolithic Occupation of Britain 2 volumes 1999

3. Cartographic

1745 John Rocque's Map of London

1768 John Rocque's Map of Surrey

1793 Lindley & Crossley's Map of Surrey

1823 Charles & John Greenwood's Map of Surrey

1839 Mortlake Tithe Map

1865 Ordnance Survey

1865 Plan of Thames Street Mortlake

1894-6 Ordnance Survey

1907 GOAD Insurance Plan

1913 Ordnance Survey

1940 Ordnance Survey

1948 Ordnance Survey

1952 Ordnance Survey

1953 Ordnance Survey

1958 Ordnance Survey

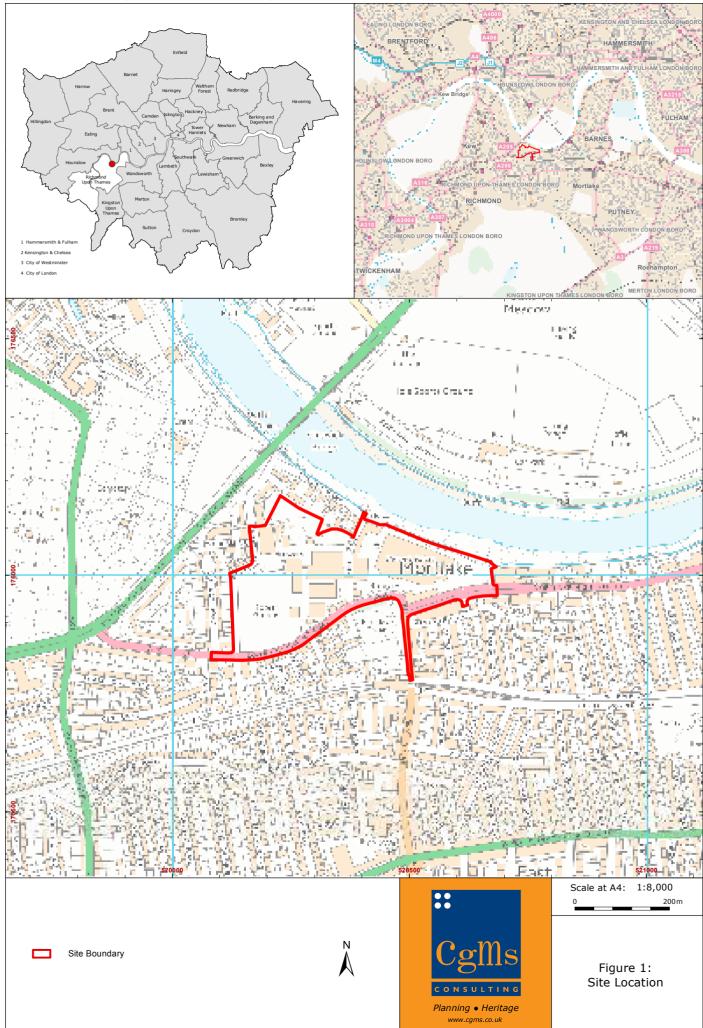
1961 Ordnance Survey

1965 Ordnance Survey

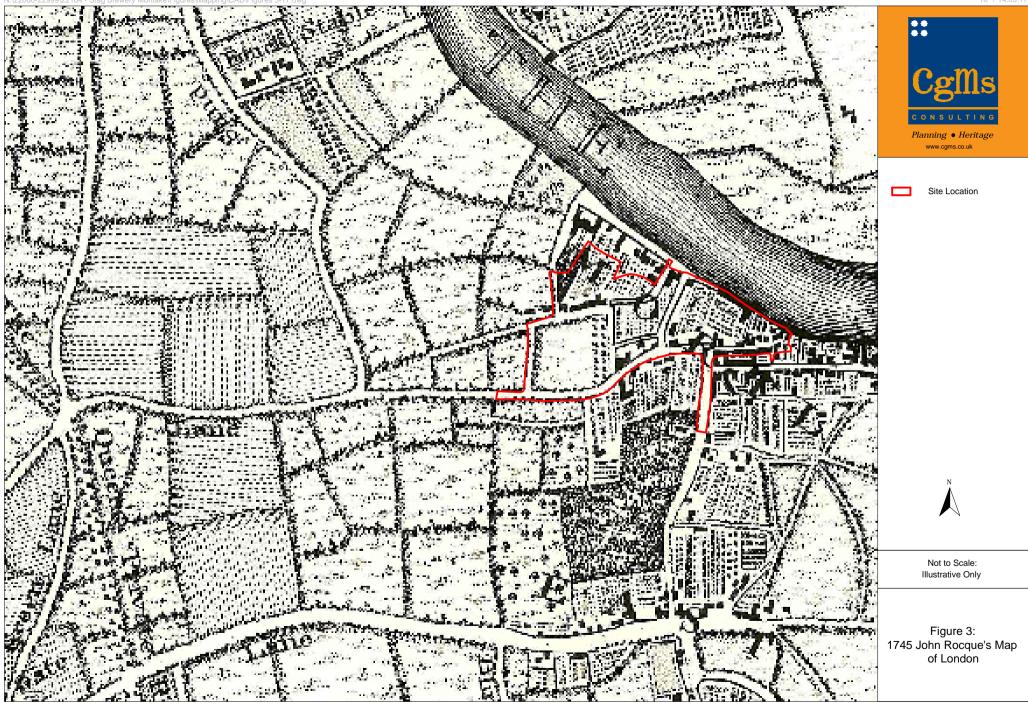
1967 Ordnance Survey

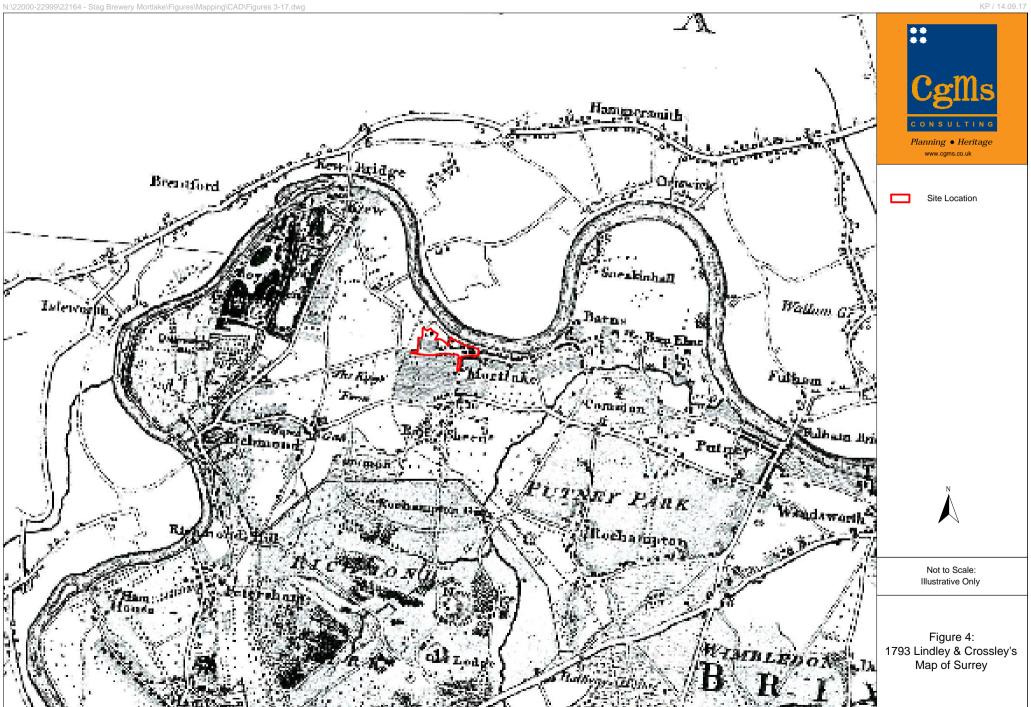
1968 Ordnance Survey

- 1973 Ordnance Survey
- 1976 Ordnance Survey
- 1977 Ordnance Survey
- 1982 Ordnance Survey
- 1987 Ordnance Survey
- 1988 Ordnance Survey
- 1991 Ordnance Survey
- 1992 Ordnance Survey
- 1993 Ordnance Survey
- 1998 British Geological Survey Sheet 270 (South London)
- 2009 Ordnance Survey
- 2016 Site survey



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Not to Scale: Illustrative Only

Figure 5: 1829 View of Mortlake (including the northern site frontage) from the River Thames

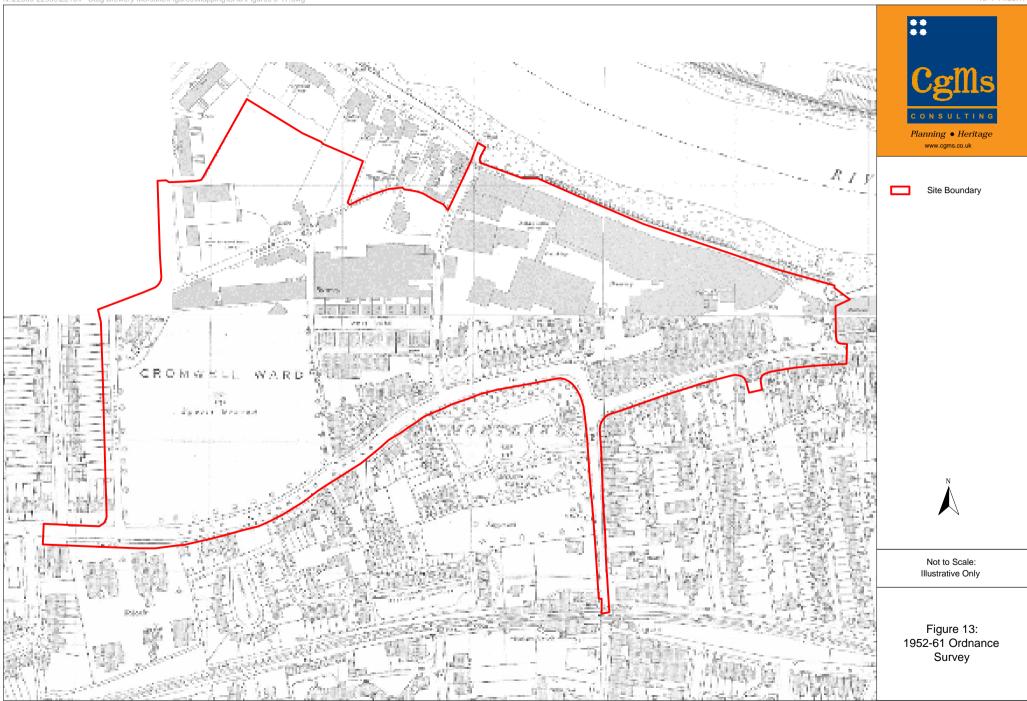


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> Not to Scale: Illustrative Only







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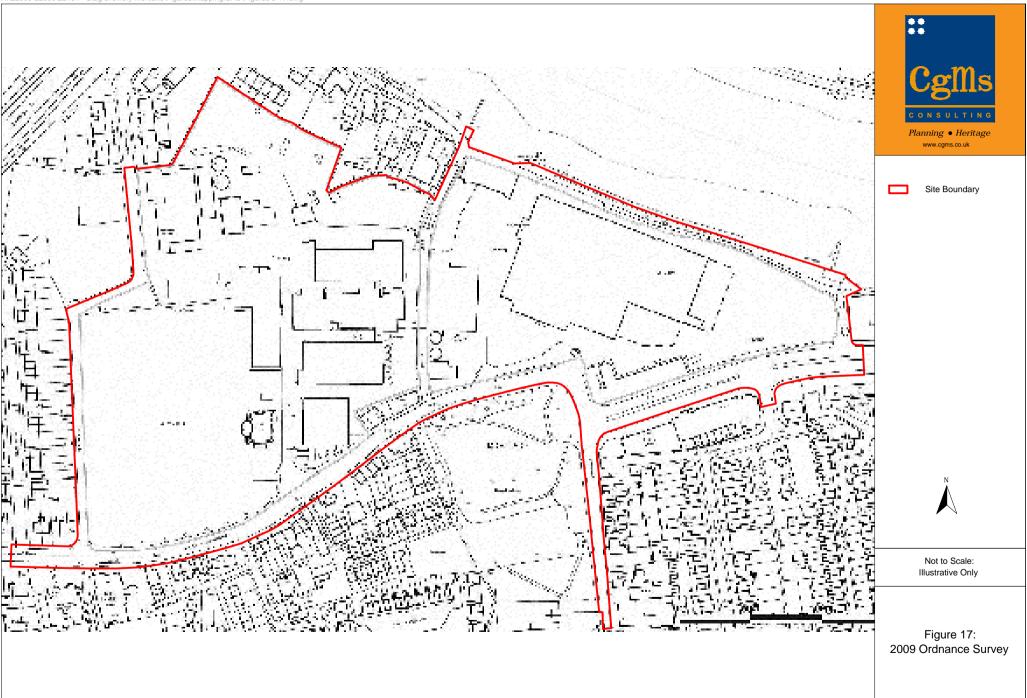


Site Boundary

2

Not to Scale: Illustrative Only

Figure 14: 1962 Aerial Photograph



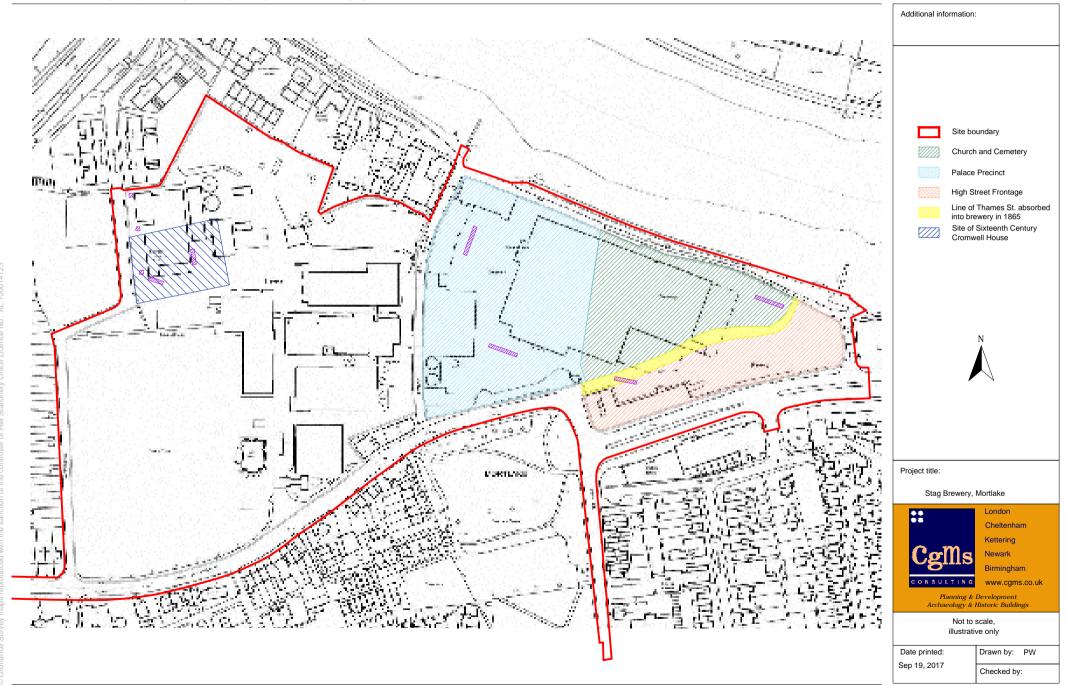


Figure 19: Probable extent of Medieval land use zones across the eastern part of the site

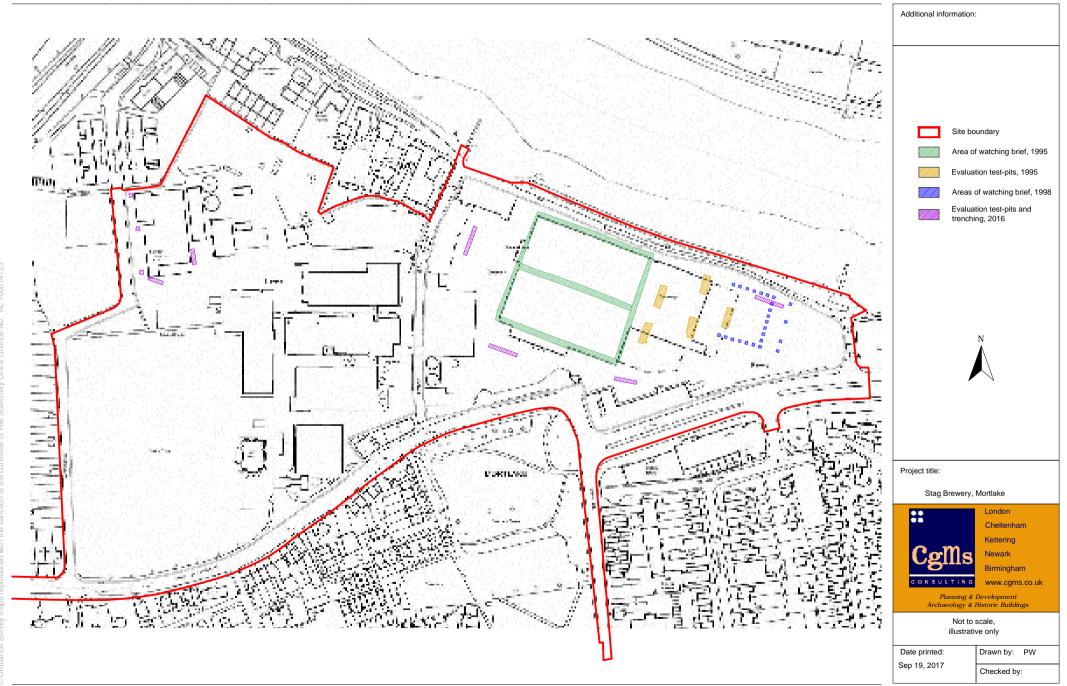
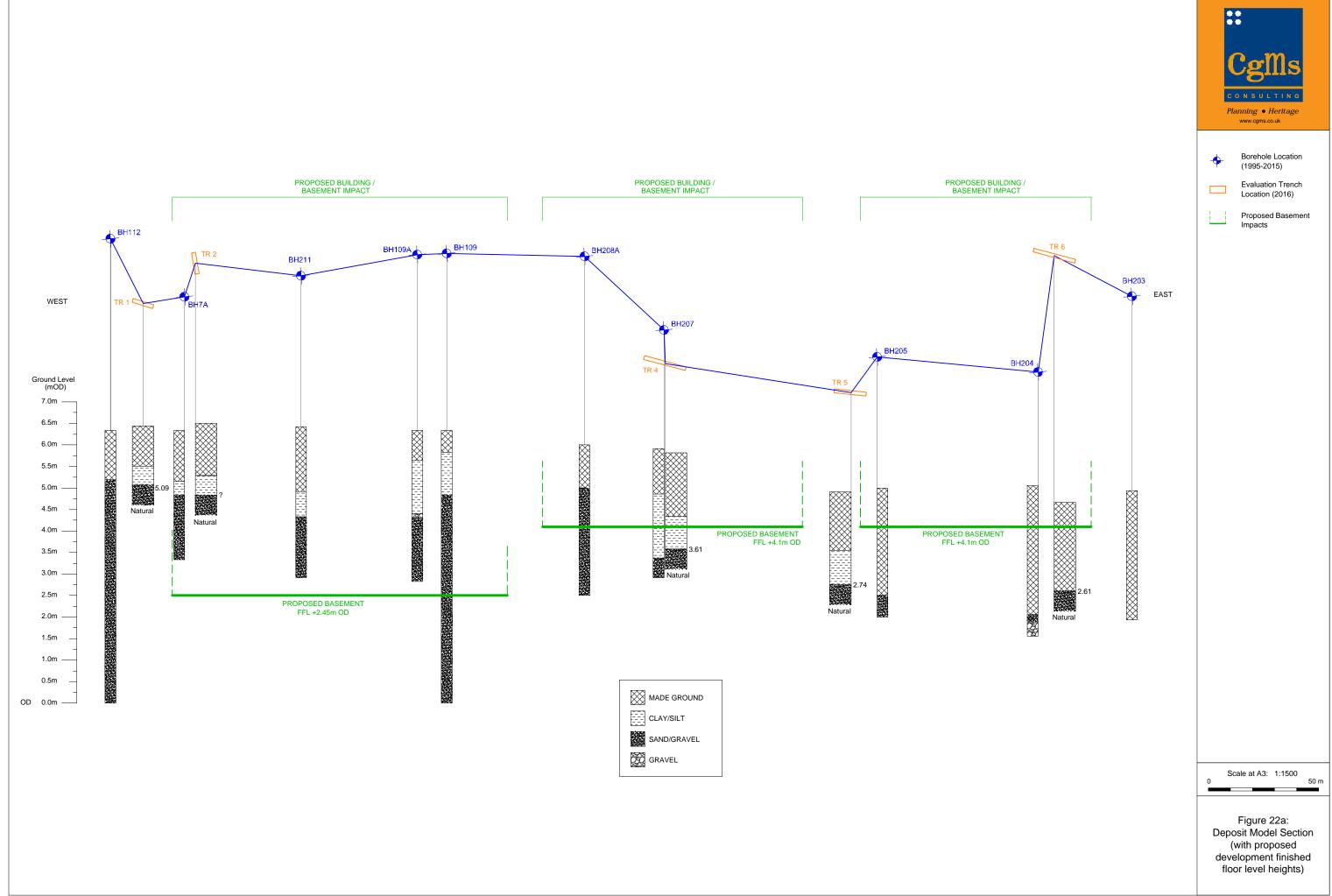
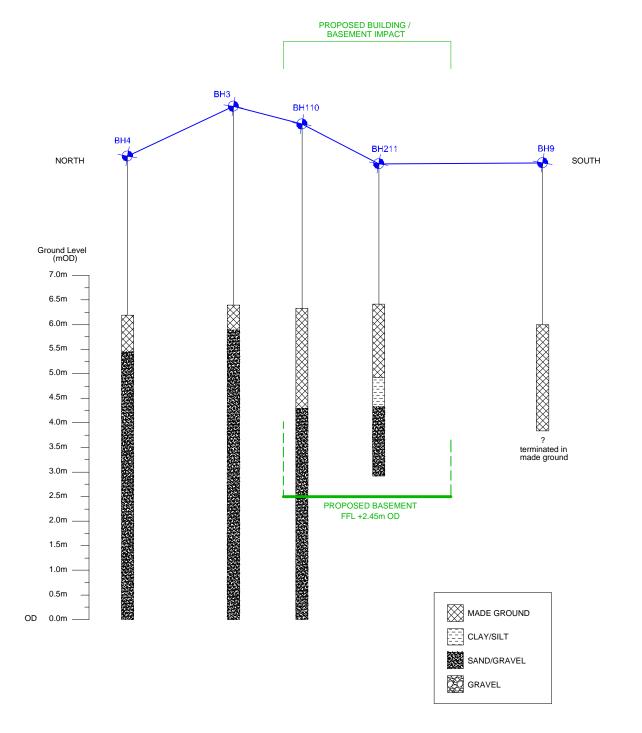


Figure 20: Location of archaeological works undertaken within the Site to date

Scale at A3: 1:1500 Figure 21: Deposit model section plan location



N:\22000-22999\22164 - Stag Brewery Mortlake\Figures\Mapping\CAD\DEPOSIT MODEL 14.09.17.dwg







Borehole Location (1995-2015)



Evaluation Trench Location (2016)

Scale at A3: 1:1500 50 n

Figure 22b:
Deposit Model Section
(with proposed
development finished
floor level heights)

Figure 23: Redevelopment proposals: plan of basement East of Ship Lane

Checked by:

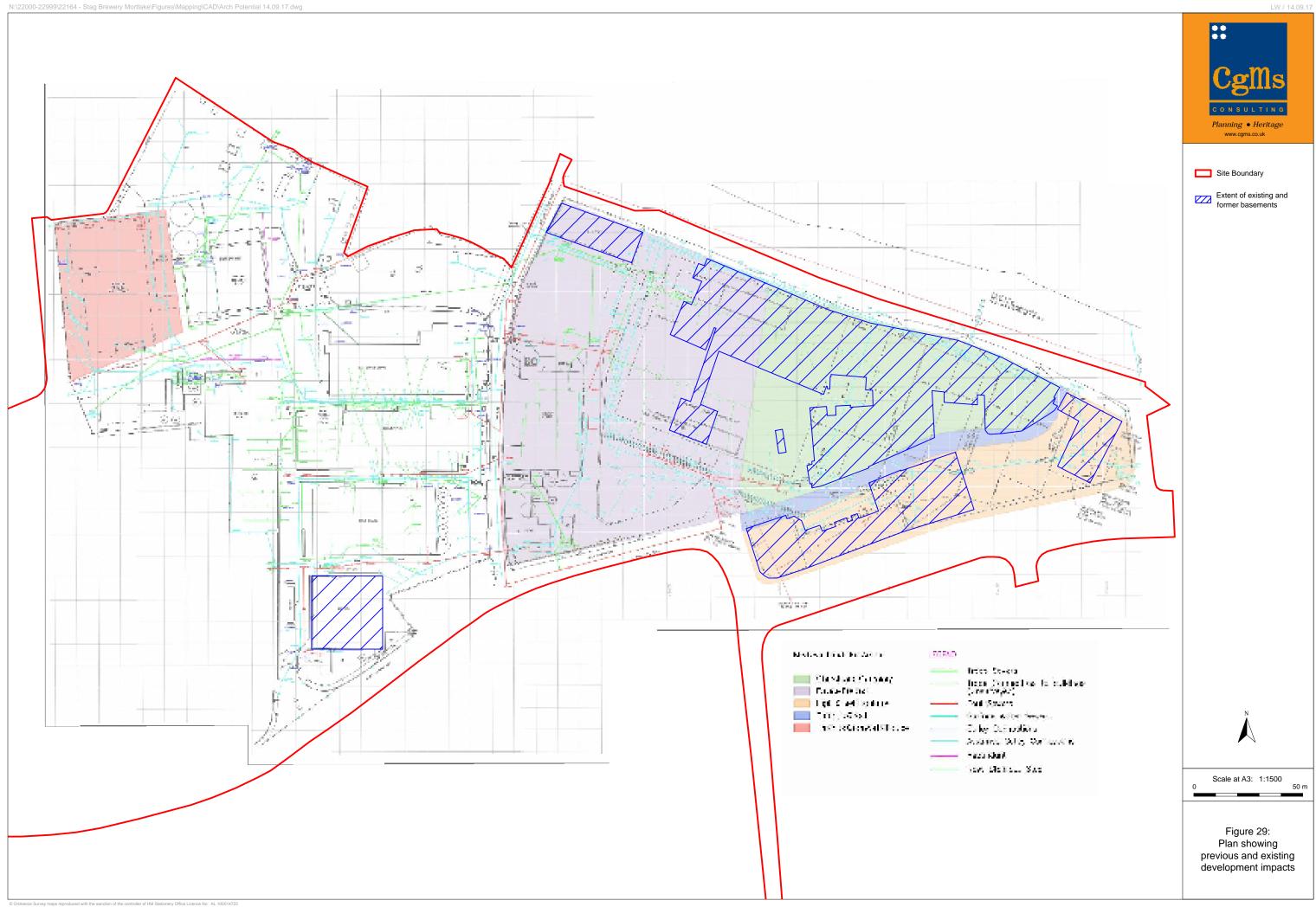
Figure 24: Redevelopment proposals: plan of basement West of Ship Lane

Figure 25: Redevelopment proposals: ground floor

Figure 26: Redevelopment proposals: section East of Ship Lane

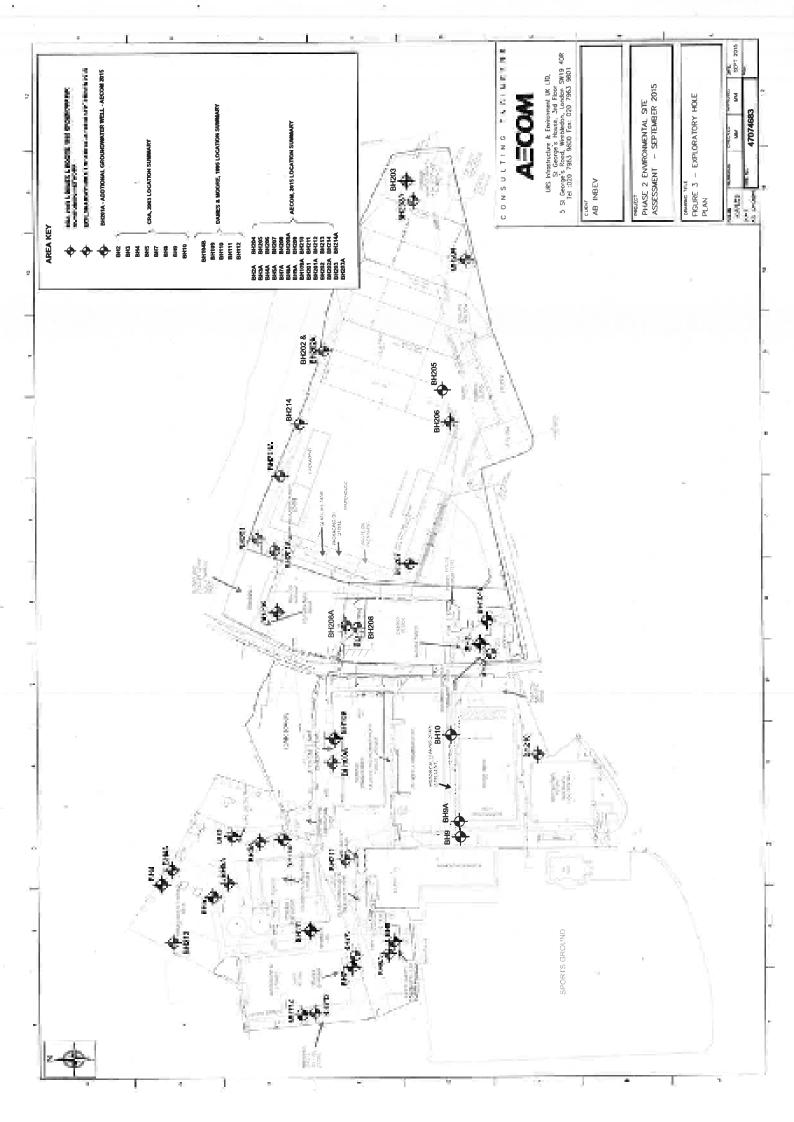
Figure 27: Redevelopment proposals: section West of Ship Lane

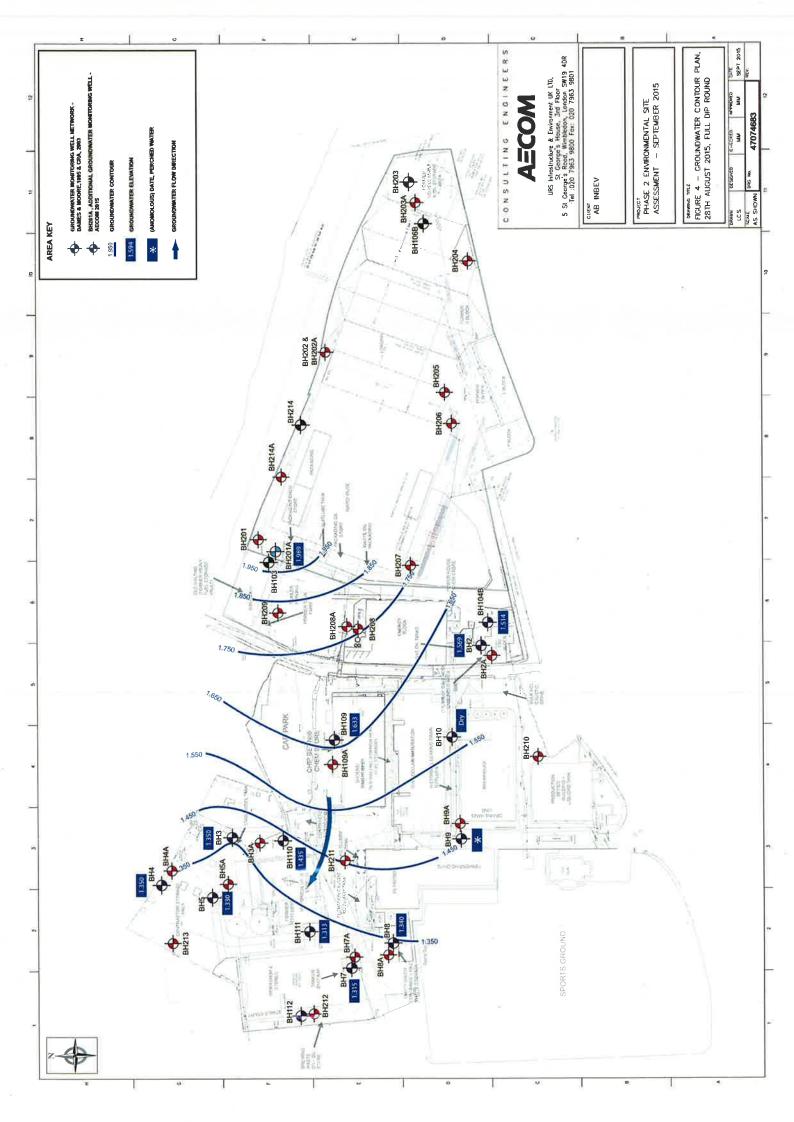
Figure 28: Plan overlay of proposed basements and ground floor



Appendix 1

Geotechnical information 1995, 2003, 2015





AECOM

Borehole Log

Proje	ct Name and Site			Client			BOREHOLE No			
Stag Brewery, Mortlake, Lond						BH109A				
		Date Start End I	28-08-15 Date 28-08-15	Ground Level (m)	Co-Ordinates ()		BITTOOA			
Contractor		Method / Plant Used			Sheet					
ESL				Concrete Corer and Premier 🖫 👵			1 of 1			
		Ē.,		STRATA						
Depth BGL	Sample / Test Details	PID(trpm) Water	Depth Legend (Thick ness)	DESCRIPTION		COMME	NTS III			
			(0.35)	CONCRETE						
0 5		<0.1	(0.35)	MADE (AUI) NO Bits	T, FITT, CORELY, fine	Dry NVO				
1 0	BH109A 0.8 <0.1		(0.50)	Soft, dark brown,	stone.	Damp NVO				
-1.5		<0.1	(0.70)	Brown, sandy, size of	Damp NVO					
- 2 0		<0.1	0 0 0 2 10		flint, Sand is fine to	Damp NVO				
3.5		<0.1	(0.70)	coarse.	Damp NVO					
3 0		<0.1	(0.70)	Brown/orange, gravelly, Gravel is fine to medium	fine to coarse SAND.	Damp NVO				
-35		<0.1	g 3.50	Borehole terminated at 3	.5m 🙀 .	-				
					*					
	Backfill	_	1	ample Deails	Legend		GENERAL			
Cernent seal Bentonite Fill				Small Concessample Concessample Sand	rete Mar	de Ground ndy Gravel	REMARKS NVO - No visual or Olfactory Evidence of Contamination In bel - meters below ground level, Hand pitted to 1 2mbgl			
				▼ Groun	dwater Table $\sum_{n=1}^{1}$ Gro	oundwater Strike				
				Log	ged By CG	App	proved By MM			

AECOM

Borehole Log

Projec	t Name and Site					ient					BOREI	IOLE No	
Stag Brewery, Mortlake, London SW14					V14	AB Inbev					BH201		
Job No Date Start Date 20-08-15 End Date 20-08-15		Ground Lev	el (m)	Co-Ordi	nates ()			P	ZU I				
	47075502	E	nd Da	20-08-15									
Contr						nod / Plant Used				Sheet			
_	ESL		Concrete Corer								1	of 1	
		(mdı	ы				STRAT	A					
Depti Sample / Test BGL Details		PID (ppm)	Water	Legend (Thick	DESCRIPTION		COMMENTS		S	Installation			
	1			0.25	TARMAC over CONCRETE							36	
-33				(0.45)	MADE GROU fine-medium, brick and con-	DE GROUND: Dense, sandy, medium, angular-subangular gravel of and concrete. Sand is fine to coarse.		el of	Dry NVO.				
				0.70	Borehole term on concrete.								
								_ A					
					-								
	1												
					2. 5.								
					3								
Backfill Sample Dog				mple Dotail	Legerd				GENERAL				
Cement seal					Ashphalt Made Ground				REMARKS NVO - No visual or Olfactory Evidence of Contamination m bgl - meters below ground level.				
											Hand pitted to 0.7	mbgl	
- 100						Ground	water Table	₫ Gro	undwaler Strike				
						Logg	ed By	CG		Appro	ved By	MM	

Project Name and Si						Client				В	REHOLE N
Stag Brewe			ke, Lon	don SV				B Inbev			BH201A
Job No 47075502	S	Date Start Da End Da	ate 24-0 te 25-0	8-15 8-15	Grou	ind Level (m)	Co-Ordi	nates ()			
Contractor					Meth	hod / Plant Used				Shee	et
ESL						Concrete Cor	er and Solid St	tem Auger			1 of 1
	(m)	_					STRAT	A			
BGL Sample / Test Details	PID (ppm)	Water	Legend	Depth (Thick- neck)		DESCR			COM	MENTS	
				0.25		IAC over CONCI					
0.5 BH201A 0	7			(0.95)	gravelly fine-co	GROUND: Bro y, fine-coarse sar arse, angular-sub tural stone.	nd. Gravel is		Damp NVO		
1.0	<0.1			1 20							
.5	<0.1		wax.		Light b	prown, dense, me onal rounded flint	dium-fine SAN i.	VD with	Dry NVO		
.o EXINEVIA 1.5	<0.1			(2.00)	3						
.5	<0.1										
0	<0.1		X 4 7 4	3.20	SAND	and GRAVEL.	Gravel is		Wet from 3.7m	abgl NVO	
5	<0.1	₽	× 11 × 11 × 11 × 11 × 11 × 11 × 11 × 1		mediur dense l	n-coarse flint. Sa light brown.	nd is fine-coar	rse			
*			× 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1	(1.90)							
*			77 77								
5.0			', ', ', '	5 10		mottled dark brov	yn nossihly st	iff	Dry, NVO.		
5.5				(0.90)	CLÁY	(LONDON CLA	AY).		2.5, 1		
5.0			155	6.00	Beech	sin terrainated at	6 0m hal	_	-		
					D D		<i>5</i>				
Backfill					imple E		Legend				GENERAL REMARKS
Cement seal riser Bentonite seal riser Filter pack riser Filter pack screen	er				Small sample	Ashr. Sanc			de Ground ty/clayey PEAT	NVO - N Evidence m bgl - n	o visual or Olfactory of Contamination, leters below ground ed to 1.2mbgl
Hole Collapse						▼ Grou	ndwater Table	₫ Gro	oundwater Strike		
	Ī	_				Lo	gged By	CG/M	rM I	Approved By	/ GM

Projec	t Name and Site						Client		D.I.1			BOREHOL	E No
	Stag Brewer	1.75		_			1T 1/ \		B Inbev			BH20	2
Job N	47075502	Si	ate lart Da	le 24-0 e 24-0	8-15 8-15	Ground	d Level (m)	Co-Ord	inates ()				
Contr		E	na Dai	æ ∠ 4- ∪	0-13	Metho	d / Plant Used					Sheet	
	ESL						Concrete Cor	er.				1 of 1	
		91	L					STRAT	Ϋ́A				
Depth. BGL	Sample / Test Details	PID(;;pu)	Water	Legend	ness)		DESCR			СО	MMEN	TS	Installation
					0.25		C over CONC						0.000
0.5		<0.1			(0.35) 0.60	mayer a	GROUND: Dr Tou Lote Sire Start regula	Light ne-cours	Gravel	Dry NVO			
				<u> </u>	0.80	MADE Of fine-med concrete.	GROUND: Bro ium, angular-s Sand is fine-c terminated at	wn, sandy, ubangular gra oarse.	vel of	Dry NVO			
	Backfill				Sa	nple Di		Legend		o Cround		GENERA REMARI	AL KS
	Cement seal Bentonite Fill						Ash	priáll	Mad Mad	e Ground		NVO - No visual or Olfa Evidence of Contaminati in bgl - meters below gro Hand pitted to 1.2mbgl	ctory
							▼ Grou	ındwater Table	∫ Grou	ındwaler Strike			
			_				Lo	gged By	CG		Аррг	oved By MN	1

Projec	ct Name and Site Stag Brewery			ke Lon	don SV	Clien V14	nt	AB	Inbev			BOREHO	LE No
Job N	lo	I	Date	ate 24-0	8-15	Ground Level	(m)	Co-Ordina				BH20	2A
	47075502 ractor	E	and Dat	te 24-U	8-15	Method / Plan	nt Used				-	Sheet	
CO	ESL							nd Solid Ster	m Auger			1 of	1
-		125	=	_				STRATA					
epth BGL	Sample / Test Details	PID (ppn)	Water	Legend	Depth (Thick	I	DESCRIPT			CO	MMENT	S	30
	1	- L	\vdash		ness)	TARMAC over	CONCRET	E					3,2
0.5		<0.1		333	0.25 (0.35) 0.60	MADE GROUN fine-medium, an concrete. Sand is	ND: Grey, sa	ındy, ıgular gravel	of	Wet NVO			
1.0	=== BH202A 0.8	<0.1			(1.20)	MADE GROUN fine-coarse sand subangular-subr	ND: Brown, 1. Gravel is a counded of c	e. gravelly, fine-medium, concrete.	,	Dry NVO			
				XXX	1.80	Borehole termin on concrete.	nated at 1.8n	n bgl due to 1	refusal				
												2.	
						Š							
						e,		* <u> </u>					
	Backfill				Se	mple Detail:		Logosti				GENER	AL
	Cement seal Bentonite Fill	_	_			Small or work	Ashphalt		Mad	e Ground		REMAR NVO - No visual or Office of Contamination by the Property of Contamination by the Property of the Prop	Ifactory ation_ ground leve
							Groundwa	ater Table	1 Grou	indwater Strike			
							Logge	15	CG		Appro	170	IM

Projec	t Name and Site					Client					BOREHOL	LE No
	Stag Brewer	y, Mo	rtlak	ke, London S'				B Inbev			BH20	13
Job N			ate	20-08-15	Grou	nd Level (m)	Co-Ordi	inates ()			51120	,,,
	47075502	E	nd Dat	20-08-15								
Contr					Meth	od / Plant Use					Sheet	
	ESL					Concrete Co	orer and Solid S				1 of	1
		(md	H .				STRAT	`A				
Derfy BOL	Sample / Test Details	PID (ppm)	Water	Legend (Thick ness)		DESC	RIPTION		со	MMEN	rs	Instell affor
				0.20		AC over CON						W 8
0.5		<0.1		(0.70)	fine-me yellow	GROUND: Vedium, angular- and red brick,	ery dense, sandy subangular grav granite and cond	vel of crete.	Dry NVO			
1				0.90		te/ wax bloom	slab.					
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	Cement seal riser						shphalt	Mac	de Ground		REMAR	KS
il and a	Bentonite seal riser					II A	Anger ICIL	∠\\	-5 5,00,10		NVO - No visual or Oli	factory
	Filter pack riser										Evidence of Contamina m bgl - meters below g Hand pitted to 1.2mbgl	round level.
	Filter pack riser										Trans price to 1.2mogi	
§ ''''	moi puon soleeli											
2						▼ Gr	oundwater Table	∯ Gro	undwater Strike			
2						Ť		÷				
						I	ogged By	CG		Appr	oved By M	M

Projec	et Name and Site					Client				BOREHOLE	No
	Stag Brewer	y, Mo	rtlake, Loi	ndon SW				Inbev		BH203A	1
Job N	o 47075502		Pate lart Date 20-0 nd Date 20-0)8-15)8-15	Ground	Level (m)	Co-Ordin	ates ()		DIIZUSA	•
Contr					Method	/ Plant Used				Sheet	
	ESL					Concrete Core	er and Solid Ste	em Auger		1 of 1	
		n)					STRATA	1			
Depth BGL	Sample / Test Details	PID (ppm)	Magend Legend	Depth (Thick		DESCRI			COMMEN	NTS	Installation
_		Ь		ness) 0.20	TARMAC	C over CONCR	RETE				M S
-0.5	■■■ BH203A 0.5	<0.1			MADE G	ROUND: Very sub-angular g	dense, sandy,	granite	Dry NVO		
- 1.0		<0.1	d pagents	1 2 3	Concrete No recove	/ HTESlab.			Damp, NVO.		П
			1		No recove	Jy.					
-1.5		<0.1									
2.0		<0_1		1							Н
				(2.50)							
-2,5		<0.1		8							
-3.0											I
=3.5			- N. I.	3.50 - 3.00	Concrete	/ granty slab.			7770		
					No recov				Damp, NVO.		
2.00				(1.20)							
4.5				4 80	i i						
-			3,720	5.00	Possibly	CLAY (no reco	overy).		Wet. NVO.		113
5.0					Borehole	terminated at 2	5.0m bgl.				
匸	Backfill			Sa	mple De	catts	Legend			GENERAI	,
	Cement seal riser			18			halt	Mac	de Ground	REMARKS	S
	Bentonite seal riser Filter pack riser					P _d Conc	rete	Clay	y	NVO - No visual or Olfacto Evidence of Contamination in bgl - meters below groun Hand pitted to 1.2mbgl	
	Filter pack screen										
						Groun	ndwater Table	₫ Gro	undwater Strike		
						Log	gged By	CG	Арр	proved By MM	_

Proje	ct Name and Site Stag Brewer			ke. Lon	don SW	14	Client		AB	Inbev			BOREH		
Job N		 			_		Level (m)	Co-Ordina				BH	204	
	47075502		tort De	ate 21-0 te 21-0	8-15 8-15		,			-					
Cont	ractor	_				Method	l / Plant U	Jsed					Sheet		
	ESL					<u></u>	Concrete	Corer an	d Premier I	Rig.			1 o	of 1	
		pm)	16					(STRATA						
Deptr BGL	Sample / Test Details	PID (ppm)	Water	Legend	100581			SCRIPTI				MMEN	TS	g o	
					0,28 -	TARMA	C over CO)NCRET	Е		Dry NVO			24.6	
				P 6 9 P	0.40	MADE G		Pea 💶	gle.		Dry NVO	_			
OLC:				4 4 4	0.70			D - J 1	Tee						
1.0		<0.1		77	100	MADE G	DOLINID.	Drown/	end condy		Dry NVO		<u>:</u>	-4	
-1.0 -				200	1.20	fine-medi	um, angul	lar-suban	gular brick						
1.5	BH204_1_3	<0.1		XXX	1 50	MADE G	ROUND:	Very sol	t, brown/ re	ed,	Dry NVO				
1.5 :						MADE G	ROUND:	Dark gre	y/ black, sa	andy,	Dry NVO				
20		<0_1				fine-medi flint. San	um, angul d is fine-c	iar-suban oarse.	gular grave	lof					
- 2.0				1888	(1,50)										
.,				1888	(0.1)										
2.5	11			XXX											
		-0 1			3.00	·									
1.0	Ы	<0.1			3.20	Orange/ y					Dry NVO				
	BH204_3 3	<0.1		000	3 50	Brown, sa subangula	andy, fine ar-subroui	-medium nded GR	, AVEL.		Damp NVO				í
-3.5					- 201	Borehole	terminate	d at 3.5m	bgl.						
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57.3	Backfill					Small distu			a gand		1.6	_	GENI REMA	EKAL ARKS	
	Cement seal					Small distu sample		Ashphalt Concrete			ade Ground and		NVO - No visual o	r Olfactory	_
	Bentonite Fill						امًا 2	Sandy Gra	ivel	Si	arna		Evidence of Contai m bgl - meters belo Hand pitted to 1.2r	ow ground level	l _i
3								20.103 010					manu prucu to 1-21	nogi	
							- 11								
							V	Groundwa	ter Table	∯ Gr	roundwater Strike		ŀ		
2															
3								Logged	Ву	CC	3	Appr	oved By	MM	

Proje	et Name and Site	Locat	ion				Client						BOREHOLE	No
	Stag Brewer			ke, Lone	don SV				AE	3 Inbev			BH205	
Job N	lo .		ate	_{te} 21-08	8-15	Groun	nd Level (m)	Co-Ordin	nates ()			БП203	
	47075502	E	nd Da	e 21-08	8-15									
Cont	ractor	141				Meth	od / Plant U						Sheet	
	ESL						Concrete	Corer an					1 of 1	
		(md	Į,					5	TRATA	A				1 4
Depth BGL	Sample / Test Details	PID (ppm)	Water		Depth (Thick- ness)			SCRIPTI(ON		CO	MMEN	TS	Installation
				0000	0.27	CONCE								
-0.5					(0.53)	MADE coarse s	GROUND: sand and gra	Grey, dea	nse, fine to nerete.	0	Dry NVO			
		<0.1			0.80	MADE	GROUND:	Very der	se, brown	ì,	Dry NVO			
-1.0	BH205_1.0	<0.1				sandy, f	fine-mediun of brick, cor arse. Little r	n, angular icrete, flir	subangul	ar				
1.5					(1.70)									
-2.0		<0.1												
-2.5	BH205_2.5	<0.1		$\stackrel{\circ}{\boxtimes}$	2.50	Dunne	orange, gra	wally fin	2 200 00 0	CINAS	Dry NVO			Ш
				0	(0.50)	Gravel	is fine-med ular-subrou	ium,		MAINIJ.	Diyivo			
-3.0		<0.1		0	3.00	gravelly	y with depth	i. Little re	covery.	ne				
						Boreho	le terminate	ed at 3.0m	bgl.					
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S S S	Cement seal				10	Small di sample	لفنا	Concrete	and	Mac	de Ground		NVO - No visual or Olfacto	ory
LLGP	Bentonite Fill							Gravelly S	DI IU				Evidence of Contamination in bgl - meters below grour Hand pitted to 1.2mbgl	nd level
 15													Trang pace to 1.2mogt	
LOGS														
08.02.10 STAG LOGS - FULL GPJ AGS3 ALL GDT 22/8/15							Ţ	Groundwa	er Table	₫ Gro	undwater Strike			
08.02								Logged	Ву	CG		App	roved By MM	

Projec	ct Name and Site					Client		т.1			BOREHOL	E No
	Stag Brewer		_	ke, London				Inbev			BH20	6
Job N		I	Date lan Da	ate 21-08-15 te 21-08-15	Grou	nd Level (m)	Co-Ordin	ates ()				
Cont	47075502	E	nd Da	te 21-08-15		od / Plant Use	d				Sheet	
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	202	<u>-</u>	T		_		STRATA					
rienth	Samula / Tost	PID (ppm)	Water	Da	ů.							11.6
BGL	Sample / Test Details	PID	≱	Legend [1.1			RIPTION		CO	MMEN	IS	i
				Q,	20 - TARM.	AC over CON	CRETE					3///6
				8888	. MADE	GROUND: Grave and and grave	rey, dense, fine to I of concrete.		Dry, NVO.			
-74.0				(0.8								
	3.			888	00						_	
-10	BH206 1 J	<0,1		8888	- MADE	GROUND: So	oft brown sandy c n, angular-subang	lay.	Dry, NVO.			
				(0.8	brick a	nd concrete.	i, angalar sasang	uiui 01				
-1.5		<0.1			. E				-			
ŀ				XXX)	80 Boreho	le terminated a	it 1.8m bgl due to	refusal				
					on conc	crete.						
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	Backfill				Sample L	etails	Legend				GENER.	IL.
M	Cement seal		5		Small sample		shphalt	Mad	le Ground		REMARI	KS
	Bentonite Fill										NVO - No visual or Olfa Evidence of Contaminati	on.
						.					m bgl - meters below gro Hand pitted to I 2mbgl	una ievei.
										į.		
200								1	unduntor Ctribo			
						GI GI	roundwater Table	¥ Grot	undwater Strike			
_						I	ogged By	CG		Appr	oved By MN	1

Projec	ct Name and Site						Client						BOREHOL	E No
	Stag Brewery	, Mo	ortla	ke, Lon	don SW					3 Inbev			BH20	, I
Job N	lo	I	ate	ate 25-0	8-15	Ground	Level (n	n)	Co-Ordin	nates ()			DIIZU	'
	47075502	S E	tart Da ind Da	te 25-0	8-15									
Contr	ractor					Method	d / Plant	Used					Sheet	
	ESL						Concret	e Corer a	nd Premier	Rig.			1 of 1	
		E)							STRAT	A				
Depth	Sample / Test	PID (ppm)	Water	-	Depth- Tirkk						900	0.50	T-0	1.4
DOL	Details	PID	*	Legend	14.5530			ESCRIPT	ION		COI	MMEN	18	3
					0.20 -	TARMA								210708
				888		MADE G	ROUND	: Grey/re	d, dense, fi oncrete and	ne to Lbrick	Dry, NVO.			
0.5	H	<0.1		222	(0.90)	coarse sa	na ana Bi	uver or ev	morete une	onon.				
	BH207_0.7				(0.90)									
1.0					1 10									
		<0.1			ŀ	Soft, grav	elly, bro	wn CLAY	. Gravel is	of flint	Dry, NVO.			
1.5				_ &_		(Possibly	reworke	d)	brounded	V1 111111.				
		٠												
		<0.1		-0-	(1.50)									
12.9														
ł														
125	BH207_2_6-3_5	<0.1			2,60	Duct 1	angs =	wolls, C 43	JT) C1	l fine	Dry, NVO.			
1	\ /	<0.1				occasiona	ense, gra ally medi	um of flir	VD. Gravel nt. Sand is	fine to	Diy, NVO.			
-3.0	l V I			6	(0,90)	medium.								
-	\wedge				1 1						1			
-3 _{.5}		<0.1		0	3 50	T) 1 1		1 426	11					
					1	Borehole	terminat	ed at 3.5t	n ogi.					
Ĺ			-		l E									
Ε					n E									
Į.														
F					1 [
ľ				1	l t									
1					1 1									
1					1. 8									
Ē.					l E									
8					1 1						-			
0.		L	ı		1 1									
8	11		1		1 4									
					3									
-	D 1 211	4	4	-		_							CD) III	
-	Backfill		_			mple De			egend				GENERA REMAR	AL KS
	Cement seal				Z	Small and sample		Ashphait			de Ground		NVO - No visual or Olf	
4	Bentonite Fill						[7	Gravelly	Clay	_ o Gra	avelly Sand		Evidence of Contaminat in bgl - meters below gr	ion_
4							- 11						Hand pitted to 1 2mbgl	
4														
3						a.		C	Nor Table	1 ~	aundwater Strike	- 1		
4								Groundwa	HEF I ZOIE	Ğ Gro	oundwater Strike			
1		_	_	_				17	d Day			Λ 222	oved Ry	
N .								Logge	цву	CG	i	Аррг	oved By Mi	Л

Project Name and S			Client	ADI	.1	I	BOREHOLE No
		e, London SW14			nbev		BH208
Job No 47075502	Date Start Date	25-08-15 25-08-15	Ground Level (m)	Co-Ordinat	es ()	-	
Contractor	End Date	23-00-13	Method / Plant Used			Sl	neet
ESL			Concrete Core	er.			1 of 1
	m L			STRATA			
Depti Sample / Tes BGL Details	PID (ppm) Water	egend Depth Depth Depth De	DESCRI	PTION	COI	MMENTS	Installation
	P	025 C	ONCRETE				. 8/2
0.5	<0.1	(0,55) M	MADE GROUND: Brown avel of concrete, brick	wn, sandy, mediu and flint.	m Dry, NVO.		
		0.80 B	orehole terminated at 0 n concrete.).8m bgl due to re	efusal		
		1					
	111						
		į					
Backfill Cement seal		Sam	pe Deally	Legend	Made Ground	_	GENERAL REMARKS
Bentonite Fill						Evide m bg	No visual or Olfactory ence of Contamination . - meters below ground leve pitted to 1.2mbgl
			▼ Grou	ndwater Table	₹ Groundwater Strike		
			Lo	gged By	CG	Approved	By MM

Projec	et Name and Site	Locat	ion				Client		_				BOREHOL	E No
	Stag Brewer			ke, Lon	don S	W14			AE	3 Inbev			BH208	eΔ
Job N	o 47075502		ate	le 25-0	8-15 8-15	Groun	nd Level (m)	Co-Ordir	nates ()			Brizuo	·/~
Contr		E	na Da	. 2J-0	0-15	Meth	od / Plant U	Jsed					Sheet	
	ESL						Concrete	Corer an	l Premier	Rig.			1 of 1	
		F						5	TRATA	4 4				
Depth BGL	Sample / Test Details	PID (ppm)	Water	Legend	Depth (Thick-		DE	SCRIPTIO			СО	MMEN	TTS	Installation
	Details	I-I			ness) 0.25	- CONCR	RETE							X///
					0.50	MADE	GROUND:	Fine to m	edium, ar	ngular	Dry NVO			
-0.5	DIJORA A B	<0.1			(0.50)	MADE	GROUND: gravelly, fir	Dark hro	wn, slight	ly ravel	Dry NVO			
-1.0	BH208A_0.8 BH208A_1.1	<0.1		$\stackrel{\circ}{\bowtie}$	1.00	 fine occ subroun 	asionally co ded of brick	parse, sub k and flint	angular to 	/	Dry NVO			-
				a		- Medium	n density, br SAND. Gravilar to subro	rown, grav vel is fine	elly, fine to mediur	to n,	DIVINO			
1,5		<0.1		0		subangu between	ılar to subro 11.5m and	ounded of 1.9m.	flint. Ver	y sandy				
Size:				0										
- 2.0		<0,1		o		-								
8				0	(2.50)	-								
-2.5		<0.1		0		3								
-3.0		<0.1		0		-) -2								
-3.0		0.1		0		-	1							
3.5				0	3,50		1- 4	1-425	la cal					
						Boreno	le terminate	at 3.5m	ogi.					
1						-							32	
ŀ						5								
ŀ		1												
•						2								
Ŀ														
			-											
<u> </u>	D. 1.011				l _c		ete iIII		agar d				CENTED A	V.T.
Kal						Small dis	0.000		egenu	Mar.	de Ground		REMARI	KS
1	Bentonite Fill					△ sample		Gravelly S	and		ac Ground		NVO - No visual or Olfa	ion
													m bgl - meters below gro Hand pitted to 1,2mbgl	ound level
200														
2000							T	Groundwal	er Table	₫ Gro	undwater Strike			
		_						Logged	Ву	CC		App	roved By	Л
×	Backfill Cement seal Bentonite Fill					ample D	sturbed Pa	Concrete Gravelly Si	er Table	_		Арр	NVO - No visual or Olfa Evidence of Contaminati	ctory ion. bund level.

Project Name and Site Location	Client	BOREHOLE No
Stag Brewery, Mortlake, L		BH209
Job No Date Start Date 25 End Date 25 End Date 25	5-08-15 5-08-15	
Contractor	Method / Plant Used	Sheet
ESL	Concrete Corer and Premier 🖫 📮	1 of 1
pm)	STRATA	
Depth Sample / Test Details A Lege	nd (head nime) DESCRIPTION	COMMENTS
9 0 0	CONCRETE 0.27	
0.5 BH209 0.5 <0.1	MADE GROUND: Brown, grey/ black, gravelly, fine to coarse sand. Gravel is fine to coarse, angular to subangular of brick and concrete.	0
- 10	Becoming	
-1.5	(2.43)	
20		
BH209 2 7-3 4 <0.1	2 70 Brown, gravelly, fine to coarse SAND. Gravel Dry NV	0
-3,0	is fine to medium subangular to subrounded	
	- Borehole terminated at 3.4m bgl.	
	1	
		5
		amima i
Backfill Cernent seal	Sample Details 1 = 51: 10. Made Ground	GENERAL REMARKS
Bentonite Fill	Gravelly Sand	NVO - No visual or Olfactory Evidence of Contamination m bgl - meters below ground level Hand pitted to 1.2mbgl
	▼ Groundwater Table	ke
	Logged By CG	Approved By MM

Projec	t Name and Site						Client						BOREHOI	LE No
	Stag Brewery	, Mc	ortla	ke, Lon	don SW	14			AE	3 Inbev			BH21	ın
Job N		I	ate	1te 26-08	8-15	Groun	d Level (m)		Co-Ordir	nates ()			БП21	U
Contr	47075502	E	nd Da	le ∠0-U	0-13	Metho	od / Plant U	sed					Sheet	
Conti	ESL					1770117	Concrete		Premier	Rig.			1 of	1
_	LSL				_	+	Concrete		_					
		mdd	Į.	-	Donth	_		3	TRATA	1		_		1.8
BGL	Sample / Test Details	PID (ppm)	Water		(Thick.			SCRIPTIC	N		CON	MENT	S	22
				4444	0.30	CONCR	ETE							-
33	BH210 0.8	<0.1			(0,90)	MADE to coarse	GROUND: e, subangula stones.	Dense, br ar to round	own, sand led grave	dy, fine l of	Dry NVO			
-10					1.20									
-1 5		<0.1		3.22	1,20	Soft, bro	own, sandy (CLAY (po	ossibly re	worked	Dry NVO			E
					(0.90)									
2 0	BH210 2.2-2 8	<0.1 <0.1		0 0	2.10	Brown, is fine to	gravelly, fir o medium to ng more gra	ne to coars	e SAND	. Gravel nt.	Dry NVO			П
- I (4	X.	<0.1		0	(1.40)	Becom	ng more gra	ivelly will	depui.					
-3.0				0										
3,5		<0.1		0	3 50									
1		1				Borehol	le terminated	d at 3.5m	bgl.					
	Backfill					riple D		15	egend				GENER REMAR	AL RKS
	Cement seal Bentonite Fill				- 02	.+ Small ⊾i sample		Concrete Sandy Clay			de Ground avelly Sand	- 1	NVO - No visual or Ol Evidence of Contamin m bgl - meters below g Hand pitted to 1.2mbg	Ifactory ation _ ground level
1000 000 000 000 000 000 000 000 000 00							Ţ	Groundwate	er Table	± Gro	oundwater Strike			
ğ								Logged	Ву	CG		Appro	oved By M	IM

Project Name and Si			Client	170	Tuber	BOREHOLE No
		ake, London S'			Inbev	BH211
ob No 47075502	Date Start I End D	Date 26-08-15 Date 26-08-15	Ground Level (m) Co-Ordina	ites ()	
Contractor			Method / Plant U	Jsed		Sheet
ESL			Concrete	Corer and Premier F	₹ig.	1 of 1
	Û.			STRATA		
Sample / Test BGL Details	PID (ppm) Water	Legend Trrk	DE	SCRIPTION	COM	MENTS .
		0.25	CONCRETE			V2
0.5 BH211 0.7	<0.1	(1.25)	MADE CROUNT	Prown andy, fine to any fine to any one constitution of the consti		
2.0	<0.1	(0.60) (0.60)	angular and subrou	sandy, gravelly CLA's edium, subangular to unded of flint. Sand is reworked clay)	stine	
BH211 2 2	<0,1	0	 Brown, gravelly, fi is fine to medium. 	ne to coarse SAND. subangular to rounde ore gravelly with dept	ed of	
	<0.1	0 (1.40)	0 2 1		÷	
		3.50	Borehole terminate	ed at 3 5m hal		
					Ÿ	
Backfill		S	rriple Details	Legend		GENERAL
Cement seal Bentonite Fill			Small disturbed sample	Concrete	Made Ground G Gravelly Sand	REMARKS NVO - No visual or Olfactory Evidence of Contamination, m bgl - meters below ground lev Hand pitted to 1.2nnbgl
Backfill Cernent seal Bentonite Fill			Ā	Groundwater Table	Groundwaler Strike	
				Logged By	CG	Approved By MM

Projec	ct Name and Site Stag Brewer			ko Lon	don SW	71.4	Client	Δ1	B Inbev		T	BOREHOLE	No
Job N							nd Level (m)	Co-Ordi				BH212	
3001	47075502	S	Start Da	nte 27-0 te 27-0	8-15 8-15	Groun	ia zever (iii)	00 0.0.					
Contr	ractor		ind Du	L 2, 0	- 10	Meth	od / Plant Used				S	heet	
	ESL						Concrete Con	ег and Premie	r Rig.			1 of 1	
		m (iii	Π.					STRAT	A				
Depth BGL	Sample / Test Details	PID (ppm)	Water	Legend	Dopth Florida 1200		DESCR	IPTION		COM	MENTS		9.00
				0355		CONCR	RETE						V-57
0.5	=== BH212_0 6	<0.1			030	to coars	GROUND: Pin se sand. Gravel i th occasional co e.	s fine to mediu	ım of	Dry NVO			
-1.5 -2.0	SH212_1.8-2.5 <0.1					Gravel i	brown, gravelly is fine to mediu d. Becoming mo	m subangular t	0	Dry NVO			
2,5		<0.1		100	(1.80)								İ
3.5		<0.1		0	3.50		le terminated at						
	Backfill Cement seal		_		Ser	Small &		Legend	∑ Ma	ede Ground		GENERAI REMARKS	S
	Bentonite Fill						G Gra	velly Sand undwater Table	Ų Grı	oundwater Strike	Evid m bg Han	No visual or Olfactocence of Contamination I - meters below grour pitted to 1,2mbgl	
							L	ogged By	CC	3	Approved	By MM	

Proje	ct Name and Site				Client				BOREHOLE	No
	Stag Brewery	, Mo	ortlake, London SV	V14		AF	3 Inbev		BH213	
Job N	lo	I	Date 27-08-15	Groun	d Level (m)	Co-Ordin	nates ()		— рп213	
	47075502	S	Itari Date 27-08-15							
Cont	ractor			Metho	od / Plant Used				Sheet	
	ESL				Concrete Co	rer and Premier	Rig.		1 of 1	
_		n)				STRATA	A			
Dent	Sample / Test	PID (ppm)	Depth A Legend (Thick							3
BGL	Details	ΩI	➤ Legend (Thick ness)		DESCR	IPTION		COMM	IENTS	Ì
			D b 0 D	CONCR	ETE					1000
ļ.			0.24	MADE	GROUND: Bro	own / grey, sligh	ntly Da	mp NVO		١
43	BH213 0 6	<0.1	1888 _{0.00}	clayey, s	sandy, fine to co	oarse, angular to ick, concrete, ti	o le and			
	B11213 0 0		(0.76)	plastic.	Sand is fine to	coarse.				
1.0	11	<0.1	1.00			W CV I				
				Soft bro (Possible	wn grey slighti y reworked cla	y gravelly CLA y)	Y			
ŧ., i	l h		(0.60)	·	-	•				
-15		-0.1	0 1 60	Dense h	rown, gravelly	. fine to coarse	SAND. Da	mp NVO		-
Ł	BH213_1_7-2_0	V0.1	0	Gravel i	s fine to mediu	, fine to coarse m, angular to casional sand a		1		
23				gravel p	ockets through	out.	ilid			
			(1.40)							1
23		<0.1	0							
-	1		- 2							
3.0		<0.1	3 00							
		-0.1		Borehol	e terminated at	3.0m bgl.				
f				í.						
1			n in a l	5						
1				7 - 2						
6	11	1								
				2						
	1									
				-						1
F				-						
Ł	1.2									
			11 4 1	Ē						Ш
k .	11			Ē.						
μ.	1									8
fi.										
Į.	11		11 7	á						ľ
1	11			3						
<u> </u>		}		ė						
	Backfill		lo:	emple D	Statil	Legenti			GENERAL	,
						ncrete	Made Gro	und	REMARKS	Š
	Cement seal		19	Small sample		ivelly Clay	G Gravelly S		NVO - No visual or Olfacto	гу
	Bentonite Fill				II Eg Gia	ivelly Clay	_ g Gravelly s	odilu.	Evidence of Contamination. in bgl - meters below ground	d level
			ſ						Hand pitted to 1.2mbgl	
ál.					- 11				1	
3					- 0	undurator Tabla	1 Groundwa	ter Strike		
5			1		Gro	undwater Table	V Glouidwa	nor ound		
4.00 to 2000 t					T	agged Dy		1 /	Approved By MM	_
최						ogged By	CG	F	Approved By MM	

Ргоје	et Name and Site	Locat	ion		Cli	ent				BOREHOLE No	
				ke, London SW1	.4		AB	Inbev		DU044	ı
Job N	O	I	Date	25.00.15	Ground Lev	el (m)	Co-Ordina	ates ()		BH214	- 1
	47075502	S	tart Da	25-08-15 te 25-08-15							1
Cont	ractor				Method / Pl	lant Used				Sheet	1
	ESL				Cor	ncrete Corer	and Solid Ster	m Auger.		1 of 1	
		<u> </u>	_				STRATA				ī
		ppm	Water	Depth			SIKAIA			5	Ħ
Depth BGL	Sample / Test Details	PID (ppm)	₩a	Legend (Thick-		DESCRIP	TION		COMMEN	ITS	20
	1	4		ness)	ΓARMAC			- 4			20
				0.20	TARMAC CONCRETE				Dry NVO		
-0 5				(0.60)	serviced Court live	Control Control	innum dense, ocoras Grave	el is			
)			0.80	redunite co	ne, adam	L in subrou	nded			
	BH214 0 85	<0.1		XXX N	or thint and co MADE GROU	ncrete. JND: Light	brown, dense		Dry NVO		
-10				1292 F:	gravelly sand.	Sand is me	brown, dense dium to coarse se, subangular oncrete.	e.			
	l I			1888 E	subrounded of	f flint and c	oncrete.	10			
-1.5			1	1888 F							
	Н			(1.80)							
- 2 0	l I		L	1883 F							
	H										
2.5				2.60							
						ninated at 2.	6m bgl due to	refusal			
		1		1 1 6	on concrete.						
F		1		E							
[h		1 1 1							
ŧ		l		1 1 1							
l .			1					- 1			
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1	11			1				1			
2	11			1 1 6							
38	11			1 1 1							
	Da -1-E11	_	_	le .	a militar il November I	<u> </u>	Lacones			GENERAL	
4	Backfill		_		rpie Detail Small die tail		Legend			REMARKS	
	Cement seal			12	Small sample			Conc	rete	NVO - No visual or Olfactory	_
	Bentonite Fill			l		Made	Ground			Evidence of Contamination m bgl - meters below ground leve	el.
3										Hand pitted to 1.2mbgl	
Š.				1		l.					
8						1	4t	1	adumtor Stellen		
						Groun	dwater Table	¥ Groun	ndwater Strike		
—		_				11 .	1D		A	royad Py	-
ě,						Log	ged By	MM	Арр	roved By GM	

Project Name a					Client	. ~				BOREHOLE N	o
	ewery, M	Iortlak	te, London SV				Inbev			BH214A	
Job No 470755	02	Date Start Date End Date	25-08-15 25-08-15	Grour	nd Level (m)	Co-Ordin	ates ()			51121117	
Contractor				Meth	od / Plant Used					Sheet	
ESL					Concrete Core	r and Solid Ste	em Auger.			1 of 1	
	Ê					STRATA	1				
Depti Sample / BGL Detail	Test Is	Water	Legend Thick		DESCRI	PTION		CO	MMENTS	S	Installation
			0.05	TARM			/				
20			(0.60)	medium	GROUND: Light Sand is medium to to coarse, suban	brown, dense o coarse. Grav gular to subro	e, sandy el is unded	Dry NVO			
-10				MADE oravelly	and concrete. GROUND: Light sand. Sand is medium to coal	brown, dense edium to coars	e.	Dry NVO			
- 15	- }		(1.20)	subroun	is medium to coan ded of flint and c	concrete.				. 1	
23			2 00	Borehol on conc	le terminated at 2 rete.	.0m bgl due to	refusal				
				6. 6.							
		1									
				§							
			6								
		- 1	1 1	ia .							
Backf	11	_	15	ample D	terail.	Legend		<u> </u>		GENERAL	
				ampie, to	Ashph		Cone	rete		REMARKS	
Cement sea						Ground	[a] 90//·	5.000	F in	NVO - No visual or Olfactory Evidence of Contamination. In bgl - incters below ground le Hand pitted to 1 2mbgl	evel .
Cement sea					Groun	dwater Table	. Grou	indwaler Strike			
					Log	ged By	MM		Appro	ved By GM	-

	t Name and Site				Client		T 1		BOREHOLE	No
	Stag Brewer	y, Mo	ortlal	ke, London SW14			Inbev		BH2A	
Job No	47075502	9	Date lart Da Ind Dat	te 25-08-15	und Level (m)	Co-Ordina	ates ()			
Contra	actor			Met	thod / Plant Used				Sheet	
	ESL				Concrete Cores	т and Premier I	Rig.		1 of 1	
		m,				STRATA				
Depui BGL	Sample / Test Details	PID (ppm)	Water	Depth Legend (Thick- ness)	DESCRI	PTION		COMMEN	ГS	200
				0.25 CONC	CRETE					5333
- 0 _. 5	BH2A 0 5	<0.1		MADI	E GROUND: Brownedium angular graved concrete. Sand is	vn sandy vel of flint and s fine-coarse.	Dry N	7O		
-10		<0.1			CRETE		Dry N	70		
				Soft, b	orown, sandy CLA' ked clay)	Y. (Possibly	Dry N	70		
-1.5	BH2A 1.5	<0.1		(1.40)						
220		<0.1								
-2.5		<0.1		2.50 Dense	e, brown, gravelly, tel is fine-medium,	fine-coarse SA	ND. Dry N	VO		
- 3.0		<0.1		(1.00)	gular-subrounded o	of flint.				
-3.5				0 3,50		:				
3.3				- Boreh	nole terminated at 3	i.5m bgl.				
				1 §					-5.	
										H
										1
							1			1
-										ĺ
										_
87	Backfill			Sample .		1.epend	Made Ground		GENERAI REMARK	L S
177	Cement seal Bentonite Fill			Small sampl	le can	y Clay	G Gravelly Sand		NVO - No visual or Olfacte Evidence of Contamination m bgl - meters below groun Hand pitted to 1,2mbgl	огу
				. 1	Groun	ndwater Table	Groundwater St	irike		
					Log	gged By	CG	Аррг	oved By MM	

Project Na	me and Site	Locat	ion				Client						BORE	HOLE No
	ag Brewer			ke, Lond	don SW	V14			AB I	Inbev				ПЗV
Job No 47(075502		Date Start Da	le 28-08	3-15 3-15	Groun	d Level (m))	Co-Ordina	tes ()			B	Н3А
Contracto			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Metho	od / Plant U	sed					Sheet	
ES							Concrete	Corer and	Premier R	ig.			1	of 1
		521			_				TRATA					
Depth San	nple / Test Details	PID (up =c)	Water	Legend	Depth (Thick		DES	SCRIPTIO			CO	MMEN	TS	3
		Д.		P 1 4 1	ness)	CONCR	ETE.				1			- 2
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-1 5		<0,1		000	(0.50)	: subangu	rown, sand lar-subrour fine-coarse	ided GRA'	dium, VEL of flir	nt.	Dry NVO			
-20		<0.1		0		Dense, b Gravel is of flint.	orown, grav s subangula	elly, fine-o ar-subroun	coarse SAN ded fine-co	ND. parse	Dry NVO			
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0.00								Logged 1	Ву	C	CG .	App	roved By	MM

	Name and Site					Client				BOREHOLE No
S	tag Brewery	, Mo	ortla	ke, London SV				3 Inbev		ВН4А
Job No		, c	Date	ate 27-08-15	Groun	d Level (m)	Co-Ordin	nates ()		71114
	7075502	E	End Da	le 27-08-15						Class
Contract					Metho	od / Plant Used		D:-		Sheet 1 of 1
<u></u>	ESL		_		4	Concrete Con	rer and Premier			1 01 1
		(mdi	er				STRATA	A		
Deput Sa BGL	ample / Test Details	PID (ppm)	Water	Legend (Thick ness)			IPTION		COMME	
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-15		<0.1		0 1.30	Brown, Gravel is subangu	very gravelly, f s fine-medium, llar-subrounded	ine-coarse SAN of flint.	ND.	Dry NVO	
2.6		<0.1		o 0						
8		<0 "1		(2.70)						
-3.0		<0.1		\$. .x.	2					
3.5	BH4A 3 5-4 0	<0.1,		· 400						-
~ 3		<0.1		***************************************		e terminated at	4.0m bgl.			
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Projec	ct Name and Site	Loca	tion				Client					BOREHO	LE No
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Job No	0	1	Date	28-0	18_15	Ground	d Level (m)	Co-Ordi	inates ()			рпл	A
l,	47075502	1	Start Da End Da	ate 28-0 ate 28-0	8-15								
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	ESL						Concrete C	Corer and Premier	г Rig.			1 of	1
		(iii						STRAT	A				
Depui BGL	Sample / Test Details	PID (ppm)	Water	Legend			DESC	CRIPTION		CO	MMENTS	S	Tustallation
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	BH5A 0.5	<0.1			(1.70)	MADE 0 gravelly fluctured	GROUND: F ine course fiam, geomic	Stocke, dilporty of sund. Grovet is mailly course, taked and below.	brett.	Dry NVO			
-1.0 -1.5		<0.1			(1.70)								
2.0		<0.1		***	1.300	Dense, br Gravel is flint.	rown, grave	lly, fine-coarse S. m, subangular-ro	AND. ounded of	Dry NVO			1
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-10		<0.1		-	3 00	Borehole	e terminated	at 3.0m bgl.					
á 🗀	Backfill				Sp	mple De	etailt	Legend				GENEF	RAL
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S10 STAR CIS								Groundwater Table	Grou	undwater Strike			
Æ		l .						Logged By	CG		Аррго	ved By	ΜM

Projec	ct Name and Site					Client						BOREHO	OLE No
	Stag Brewery	, Mo	ortla	ke, London SW	714			AE	3 Inbev			ВН	7A
Job N			Date	ale 27-08-15	Ground	Level (m))	Co-Ordin	nates ()			рп	10
	47075502	E	nd Da	ale 27-08-15									
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<u> </u>	ESL		_			Concrete	Corer and					1 of	1
		1	is is			3	S	TRATA	A				
Depth 19.1.	Sample / Test Details	PID (PRE)	Water	Legend (Thick ness)			SCRIPTIO)N		COI	MMENT	TS	Installation
				(0.55)	CONCRE	ΊΈ							200
-0.5	вн7А 07	<0.1		(0.65)	MADE GI slightly gra subangular	ROUND: avelly, sile r of red by	Soft, darl ty clay. G rick with	c brown/g ravel is fir fragments	rey, ne and of	Damp NVO			
-1.0				1.20	wood.					l.,			
-		<0.1		150	Brown, sli medium to	ightly gra	velly CLA	Y. Grave	l is	Dry NVO			
-1.5				0 150	Dense, bro Gravel cor	own, grav	elly, fine-	coarse SA	ND.	Dry NVO			
1		<0.1			Gravel cor fine-media	ntent inch um, subar	eases with igular-sub	rounded o	navei is of flint.				
_2.0													- 1
ļi				(1.50)									
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R/J	Cement seal		-	20			Concrete	egg, and tild.	Mac	de Ground		REMA	RKS
9	Bentonite Fill				sample v	[a	Gravelly Cl	ay		avelly Sand		NVO - No visual or Evidence of Contan m bgl - meters below Hand pitted to 1.2m	nination w ground level
X146.000						<u> </u>	Groundwate	er Table	∫ Gro	oundwater Strike			
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	ame and Site					Cli	ent					BORE	HOLE :	No
St	Stag Brewery, Mortlake, London SW14								B Inbev			B	Н7В	
Job No		Ct.	ate	e 27-08	3-15	Ground Leve	el (m)	Co-Ordi	nates ()				1170	
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Contracte						Method / Pl						Sheet	- C 1	
Е	SL		_			Con	crete Core					1	of 1	
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				14 7	0.20	CONCRETE								380
25				4 4 4	9,30	MADE GUEL fine-medium, a flint and concr	Brov angular-su rete. Sand	vn, sandy, bangular grav is fine-coarse.	el of	I in NVO				
						Borehole term on concrete.	with robus		7					
					100									
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7 2 3 3					_		Log	gged By	CG		Appro	oved By	MM	

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Project Name a Stag B		ation Iortlake, London SV	Client AB Inbev			BOREHOLE No
Job No Date Start Date 26-08-15 End Date 26-08-15		Ground Level (m) Co-Ordinates ()		BH8A		
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ESL			Concrete Core	er and Premier III	te:	1 of 1
	ê			STRATA		
Depti Sample / BGL Detai	Test ls (mdd) QIA	Depth (Thick ness)	DESCRIPTION		COM	IMENTS
		020	CONCRETE			807
0.5 375 Bl	H8A 2.1	0.40 (0.40) 0.80	MADE GROUND: Grey, sandy, Francisco of concrete. MADE GROUND: Remainstrate of concrete of		Dry. Black asl	n noted.
=1.0	<0.1	-0	sub-rounded of flint. Sa h ash. Saft, brown grover all	gravelly CLAY		
=1.5	<0.1	(1.40)	A manufacture (part of the pa	MT.		
-2.0	<0.1	2 20	Dense brown gravelly	fine-coarse SAN	D. Dry NVO	
2.5	V0.1	0	Dense, brown, gravelly, Gravel is fine-medium s flint.	subangular-round	ed of	
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., 🛆	<0.1	0 3,50	Borehole termonated at	3 0m lb=1		
			Borenoie termonated at	3.0m ug.		
			Ş			
			<u> </u>			
Backf			Small disturbed Sample Conc	Legend	Made Ground	GENERAL REMARKS
Bentonite Fi			ll e-	relly Sandy Clay	Gravelly Sand	NVO - No visual or Olfactory Evidence of Contamination, m bgl - meters below ground leve Hand pitted to 1,2mbgl
			Grou	indwater Table	Groundwater Strike	
			Lo	gged By	CG	Approved By MM

Project Name and Site		Client			BOREHOLE No
Stag Brewer	ry, Mortlake, London S				
Job No 47075502	Date Start Date 26-08-15 End Date 26-08-15	Ground Level (m)	Co-Ordinates ()		BH9A
Contractor		Method / Plant Used			Sheet
ESL			and Premier Rig.		1 of 1
T	(mg		STRATA		
Depti Sample / Test BGL Details	Legend (Thick ness)	DESCRIP	TION	COMMEN	NTS (DECEMBER)
	0.30	CONCRETE			12.00
0.5 BH9A_0 5	<0.1	MADE GROUND: Dense fine-coarse sand. Gravel is subrounded-rounded of na becoming clayey with dep	atural stone.	Dry NVO	
-2.0					
BH9A 2 2-3 3	(1.10)	MADE GROUND: Black fine-medium, angular, red and crushed concrete. Sar	s, sandy, Vgrey gravel of flint Id is fine-coarse.	Wet NVO	
	3.30	Borehole Lett - Lange at 3 on concrete.	3m bgl due to refusal		
Backfill		ample Debils	Legend		GENERAL
Cement seal Bentonite Fill		4	Small Made Ground Sample Made Ground		NVO - No visual or Olfactory Evidence of Contamination in bgl - meters below ground level Hand pitted to 1 2mbgl
		▼ Ground	waler Table $\sum_{i=1}^{1}$ Gro	oundwater Strike	
		Logg	ged By CG	App	proved By MM

Appendix 2

Correspondence with GLAAS re archaeological mitigation

From: O"Gorman, Laura

To: Richard von Kalinowski-Meager
Subject: [EXT] RE: Stag Brewery, Mortlake
Date: 16 August 2017 15:26:28

Hi Richard,

I have finally managed to get around to reviewing the current draft, and I'm pleased to say that the additional assessment, including the new past impact plan and transects are really useful. The assessment helps to give us a clearer steer and the next phase of archaeological investigation. Your client will need to submit this along with the evaluation report as part of their application. When consulted by the borough I will then recommend a 2 stage condition, with the first stage comprising further evaluation in order to refine the mitigation strategy. It would be good for us to sit down in due course to work out the best evaluation scope in light of the most recent assessment.

Please get in touch if you have questions.

Regards, Laura

Laura O'Gorman

Assistant Archaeology Advisor

Planning Group: London

Historic England | 1 Waterhouse Square, 138-142 Holborn, London EC1N 2ST

Direct Dial: 0207 973 3242 Mobile: 07789 928 817

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From: Richard von Kalinowski-Meager [mailto:Richard.von-Kalinowski-Meager@cgms.co.uk]

Sent: 16 August 2017 11:19

To: O'Gorman, Laura

Subject: RE: Stag Brewery, Mortlake

Hi Laura,

I was wondering how your deliberations were progressing re the Stag Brewery site, and whether you needed any further information?

Regards,

Richard

Richard von Kalinowski-Meager BA MA PG Cert FSA MCIfA

Director Archaeology

Direct Dial: 020 7832 1487

Email Address: richard.meager@cgms.co.uk

Mobile: 07764 830956

Please note that I will be on annual leave from the end of Wednesday 23 August until the morning of Monday 4 September 2017.

CgMs Consulting

Part of RPS Group plc

Planning, Archaeology & Historic Buildings Consultants

11th Floor, 140 London Wall, London EC2Y 5DN

Tel: 020 7583 6767 Fax: 020 7583 2231 Co. Reg No. 3303376 www.cgms.co.uk



From: Richard von Kalinowski-Meager

Sent: 09 August 2017 11:16 **To:** 'O'Gorman, Laura'

Subject: RE: Stag Brewery, Mortlake

Laura,

I attach the updated DBA for the Stag Brewery site, for your review and comment (the full report size is nearly 30MB and you will shortly receive a weblink from my secretary Karen to download

this from).

I would draw your attention to the 1962 aerial photograph, reproduced at Figure 14, which shows the full extent of development within the northwestern and northeastern corners of the playing field to the southwest, which has not previously been identified.

Figures 21-22 comprise the deposit model, crossing the whole site, which now also show the current proposed basement depths – it is clear from this that large parts of the site have undergone substantial impacts.

In addition, Figure 29 indicates the known previous and existing areas of basement, together with the quantities of services which run across the whole of the site, and which were an important deciding factor in placing the 2016 evaluation trenches. Unfortunately we have not been able to ascertain the foundation details for the buildings within the western part of the site.

I have been notified that while some soft strip of the buildings across the site is ongoing, the majority of strip out and demolition work will not be undertaken prior to planning submission.

The proposed basement and ground floor redevelopment plans are now included, at Figures 23-28, with Figure 28 overlaying the proposed basement and ground floor plans to clarify proposed locations. Proposed basements west of Ship Lane are focussed in two areas and are not as extensive as the area of proposed basement to the east of Ship Lane.

I would be grateful for your comment re the above and attached, at your earliest convenience – I trust that you are now able to confirm that further works can be conditioned to the granting of planning consent.

Please do not hesitate to contact me should you require any further information or clarification.

Many thanks,

Regards,

Richard

Richard von Kalinowski-Meager BA MA PG Cert FSA MCIfA Director Archaeology

Direct Dial: 020 7832 1487

Email Address: richard.meager@cgms.co.uk

Mobile: 07764 830956

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From: O'Gorman, Laura [mailto:Laura.O'Gorman@HistoricEngland.org.uk]

Sent: 29 June 2017 11:59

To: Christopher Clarke (London Wall); Abrams, Diane

Cc: Richard Meager

Subject: [EXT] RE: Stag Brewery, Mortlake

Richard/Chris,

Thank you for sending through the updated DBA. I welcome the additional information however I still feel there needs to be a little bit more done to help draw out the conclusions and reasoning for condition led mitigation.

What would be really useful for me and also to help formulate an archaeological fieldwork strategy as we go forward, is for the assessment to include a plan which highlights areas of archaeological survival. This should include:

- 1. Areas where we believe there is no archaeological, owing to past/existing basements. Figure 3 with the old 1995 MOLAS assessment provides some useful information on the basements that were then known to be present. The Goad map also provides useful information on which buildings had basement.
- 2. Areas where there is some/moderate survival for example below the 1996 warehouse building where there could be fragmentary survival between piled foundations. Also buildings shown on historic maps where we are uncertain if they had basement and so could also have survival between their foundations.
- 3. Areas where there is likely to be good archaeological survival e.g. areas which have not been developed.

I would still also like to see information regarding the foundations on which the building in the location of Cromwell's house was constructed, in order to provide further indication on the likely level of survival at this location.

I welcome the inclusion of the proposed basement plans however as it stands it is impossible to identify where these will be located within the site. At the moment they are just floating in space!

Last of all could you also include the ground floor proposal plans so that it is clear where there would be impacts outside the proposed basement footprints?

Once I have the above additional information I should hopefully be in a better position in which to make a comfortable decision.

Please let me know if you have any questions regarding the above.

Regards, Laura

Laura O'Gorman

Assistant Archaeology Advisor

Planning Group: London

Historic England | 1 Waterhouse Square, 138-142 Holborn, London EC1N 2ST

Direct Dial: 0207 973 3242 Mobile: 07789 928 817

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From: Christopher Clarke (London Wall) [mailto:chris.clarke@cgms.co.uk]

Sent: 21 June 2017 10:19

To: Abrams, Diane; O'Gorman, Laura

Cc: Richard Meager

Subject: Stag Brewery, Mortlake

Morning Diane/Laura,

Further to previous discussions relating to the site at the Stag Brewery, Mortlake, and on behalf of my colleague Richard who is on annual leave, please find attached an updated version of the DBA for review. The DBA has yet to be finalised with the full final proposed design details, but hopefully this should facilitated further discussions.

Please note that the proposed basement designs have now been included. Plus QUEST have undertaken a review of the available data and have established that there is limited Palaeolithic potential within the site.

If you are able to review and provide further comment to Richard, that would be appreciated.

Regards, Chris

Chris Clarke BSc (Hons) MA MCIfA

Senior Associate Director Direct Dial: 020 7832 0253 Mobile: 07881 020428

Email Address: chris.clarke@cgms.co.uk

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