

Figure 25: Redevelopment proposals: ground floor

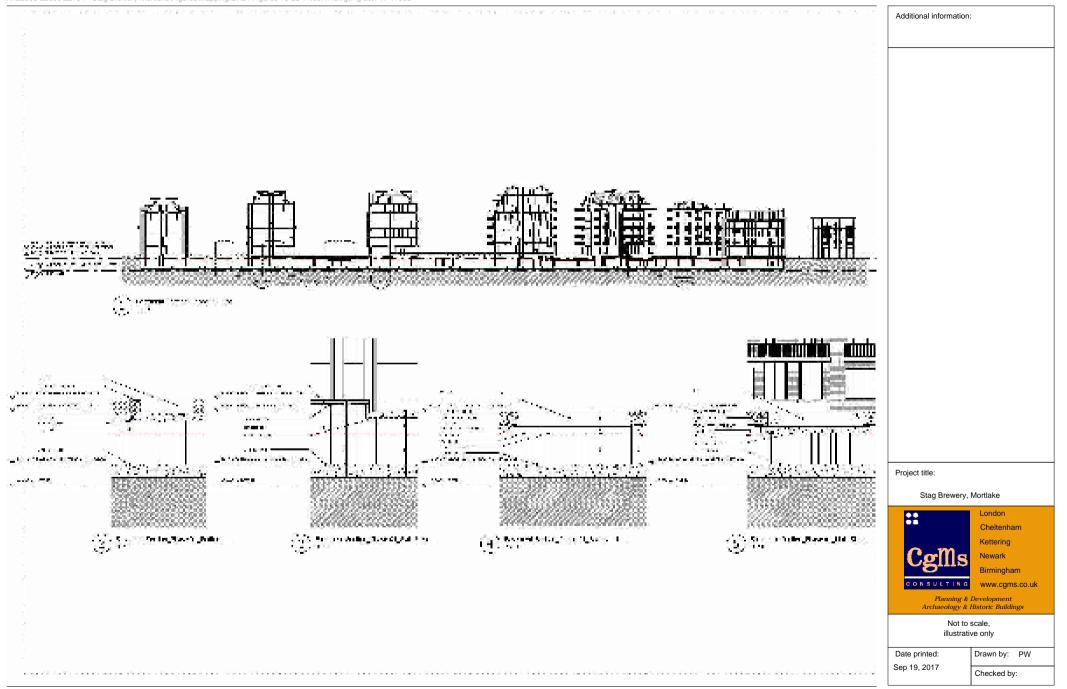
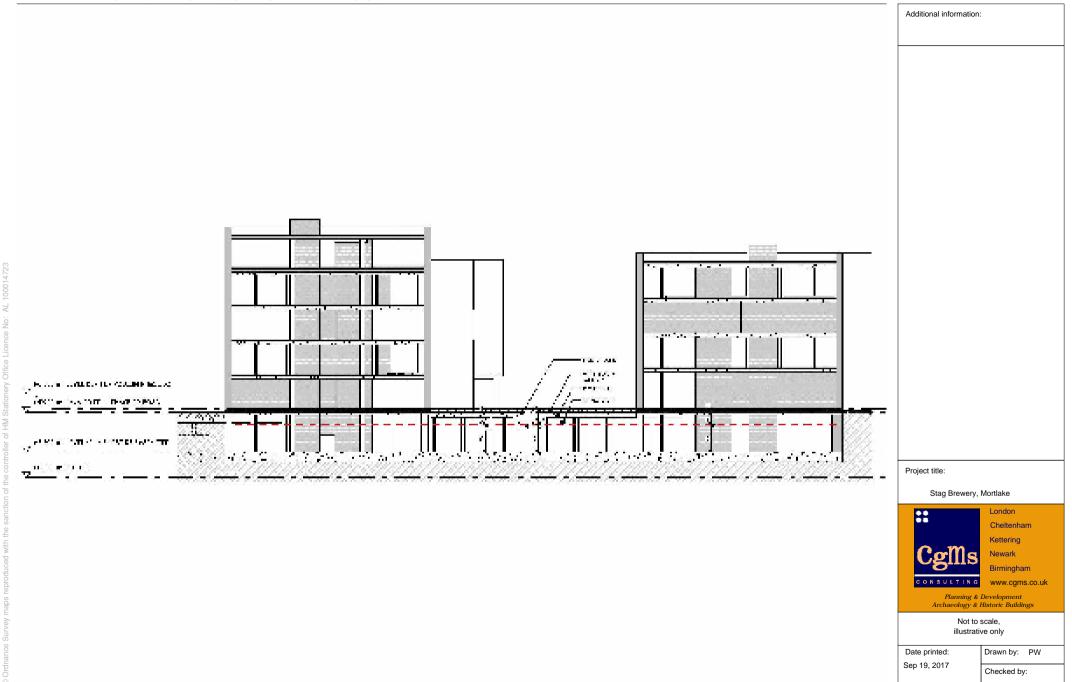


Figure 26: Redevelopment proposals: section East of Ship Lane



N:\22000-22999\22164 - Stag Brewery Mortlake\Figures\Mapping\CAD*Figures 18-28 14.09.17.dwg(Fig 28)PW*11035*

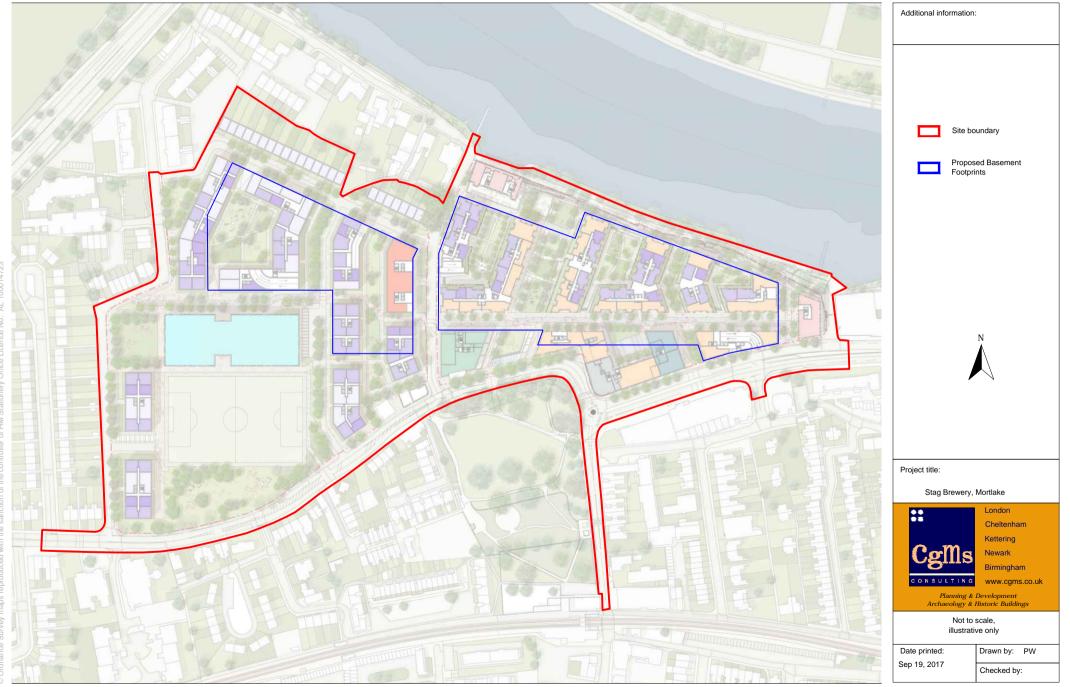
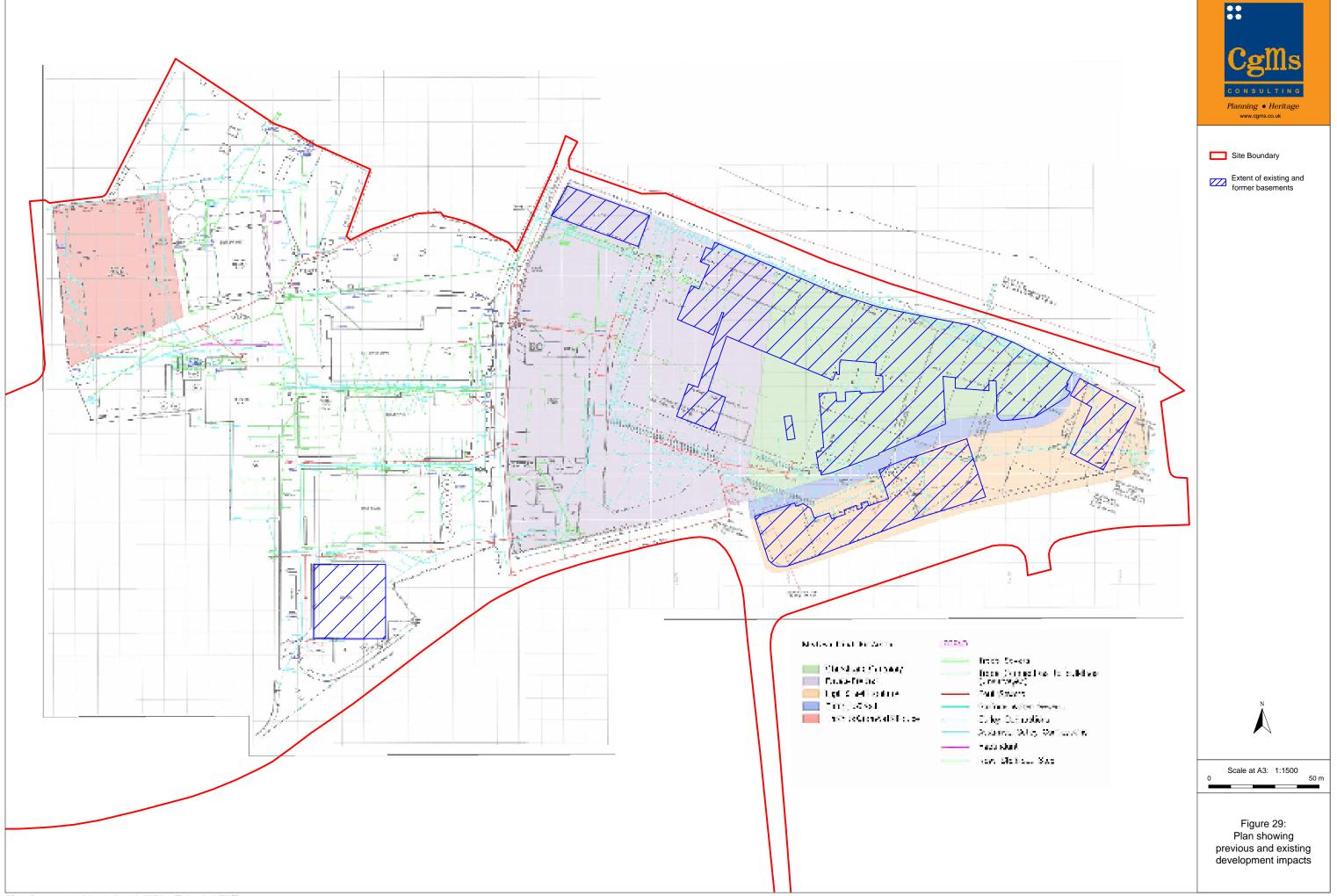
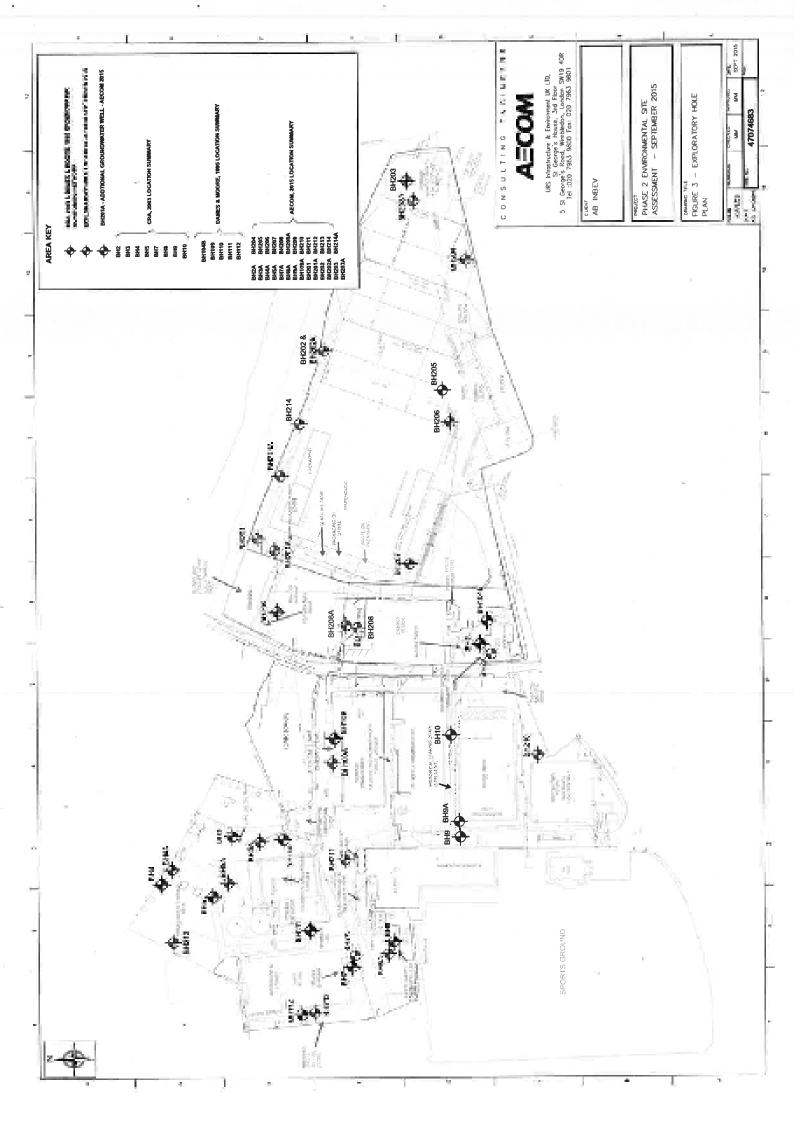


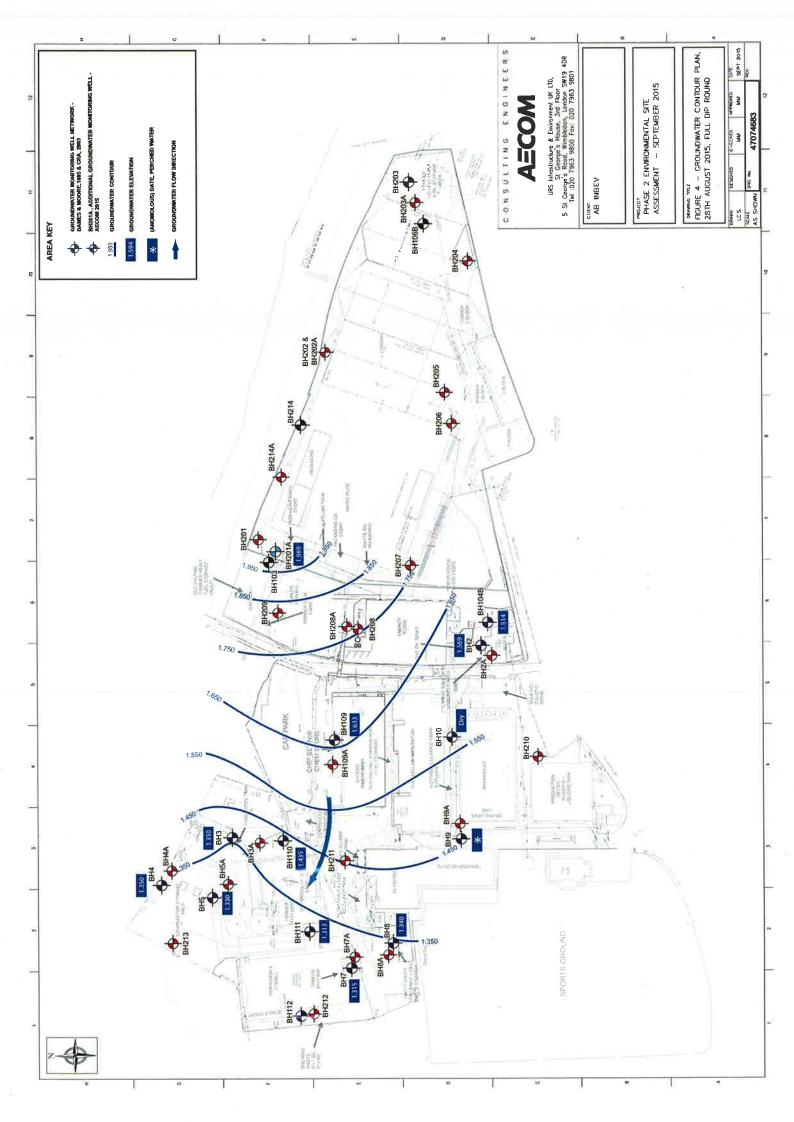
Figure 28: Plan overlay of proposed basements and ground floor



<u>Appendix 1</u>

Geotechnical information 1995, 2003, 2015





				Bore	hole Log				
Projec	ct Name and Site		n tlake, London S	Client	٨P	Inbev		BOREHOLE	E No
Job N				Ground Level (m)			_	BH109	A
	o 47075502	Da	rt Date 28-08-15 i Date 28-08-15	Ground Lever (III)	Co-Ordin	ates ()		1	
	ractor	End	1 Date 20-00-13	Method / Plant Us	sed		_	Sheet	
00111	ESL				Corer and Premier	Bei		1 of 1	
_	252				STRATA	- <u>a</u> -			-
Honth	G 1 / M	2	Depth Legend (Thick		SIRAI	1	-		-
BGL	Sample / Test Details	PID(ppm)	Legend (Thick ness)	DES	CRIPTION		COMMEN	VTS	
05 10 -1.5 -20	2 ■ BH109A 0.8	<0.1 <0.1 <0.1 <0.1 <0.1	(0.35) (0.35) (0.35) (0.70) -2	MADE CULL NO to coarse, angular to fine to coarse. Grave when which and nat Soft, dark brown, whi is fine to coarse. The Brown, sandy, sine is fine to coarse. The subrounded of flint.	a barnet mart i li sconcrete, red at ural stone. degree file to media of flint. 	and Sant Sant In Damp Sant In Damp In Damp ine to Damp oarse int. Damp	NVO NVO NVO NVO	•	
-35		<0.1		Borehole terminated	l at 3.5m bgl .				
					а. Э				
	Backfill		5	ample Details	Legend			GENERAL	L
	Cement seel Bentonite Fill			Small caracteristic in a sample	Concrete Sandy graveliy CLAY Gravelly Sand Groundwater Table	Made Ground Sandy Gravel Groundwater S	trike	REMARK NVO - No visual or Olfact Evidence of Contamination in bgl - meters below grou Hand pitted to 1 2mbgl	S ory
				H	Logged By	CG	App	roved By MM	

Proje	et Name and Site	Loca	tion	_			ent	noie Log		_		BOREHOLI	E No
	Stag Brewer	y, Mo	ortla	ke, Lon	don SV				AB Inbev			BH20 ⁻	1
Job N	o 47075502		Date Start Da End Da	ate 20-0 te 20-0	8-15 8-15	Ground Lev	el (m)	Co-Or	dinates ()			BH20	•
Cont	ractor					Method / Pl	ant U	sed				Sheet	
	ESL	_		_		Cor	crete	Corer				1 of 1	
		(ud	E.				_	STRA	ТА				
Deptr BGL	Sample / Test Details	PID (ppm)	Water	Legend			DES	CRIPTION		СО	MMENI	TS .	Installation
-	1				0.25	TARMAC ov							Ŵ
13					(0.45) 0.70	MADE GROU fine-medium,	JND: l angula	Dense, sandy, ar-subangular gra Sand is fine to co	avel of	Dry NVO.			
				200	0.70			at 0.7m bgl due					- 657
		١.,				on concrete.							
						-							
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_				<u> </u>		5. 	_		_	-			_
	Backfill Cement seal		-	_	S;	ample Doail		Le <u>er d</u> Ashphalt		ade Ground		GENERA REMARK	L S
Ľ₹4	Cement Sear							151 pinan			II.	NVO - No visual or Olfac Evidence of Contaminatio	n
							I					m bgl - meters below grou Hand pitted to 0.7mbgl	und level
							T	Groundwater Table	∫ Gr	oundwaler Strike			
									1	-	U	10	
								Logged By	CC	3	Appro	wed By MM	

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	t Name and Site Stag Brewery			ke, Lond	on SW	/14	Client		AB Inbev			BOREHO	
ob No	o 47075502	S	ate lari Da nd Dai	ιe 24-08 e 25-08	-15 -15		Level (m		-Ordinates ()			BH20	ĨA
Contra	actor						/ Plant U		1.1.0.			Sheet 1 of	1
	ESL	-	_				Concrete		olid Stem Auger			1 of	1
		ppm	ter		Depthi		_	STE	RATA	-	-	_	
GL	Sample / Test Details	PID (ppm)	Water	Legend	Lopin Tank- WK	TARMAC		SCRIPTION INCRETE		CO	MMENTS		in the second
.5	BH201A 07	<0.1		*	0.25	MADE GI gravelly, f	ROUND: ine-coars	Brown/red/ y e sand. Grave	yellow, el is of brick, flint	Damp NVO			
.0		<0.1											
.5		<0.1		X Y X	1 20	Light brov occasiona	vn, dense rounded	, medium-fine flint.	e SAND with	Dry NVO			
.0	ZDEOA 1.523	<0.1			(2.00)								
.5		<0.1		-									
.0		<0,1			3.20								
.5		<0,1	ţ	× 11 ×11			oarse flir	EL. Gravel is t. Sand is find		Wet from 3.2	7mbgl NV	0	
æ					(1.90)								
95				<u>X1 71</u> X 71X 7	į								
5.0				,	5 10	Grev. mot	tled dark	brown, possi	ibly stiff	Dry, NVO.		-	
.5			2		(0.90)	CLÁY (L	UNDON	CLAY).					1
5.0					6.00	Dorgitóla	tersina)	at 6.0m bgl	l				1
_	Backfill				Sa	niple Det		Lep	mi			GENER	AL
III €	Cement seal riser Bentonite seal riser Filter pack riser Filter pack screen Hole Collapse					Small ∎ m sample		Ashphall Sand Clay		ide Ground ty/clayey PEAT	Ev	REMAR VO - No visual or O vidence of Contamin bgl - meters below and pitted to 1.2mbg	lfactory ation ground lev
`	•						Ţ	Groundwater Ta	ble $\sum_{i=1}^{1}$ Gro	oundwater Strike			
		_	-		-			Logged By	CG/N	n I	Approv	ed By G	М

						Bor	ehole Lo	g					
Project Name and Site				1 011	71.4	Client		4.72	т.1			BOREHO	LE No
Stag Brewer		_	ke, Lon	don SW		17 1/			Inbev			BH2	02
Job No 47075502	Da' Star		ιe 24-0 e 24-0	8-15	Grou	nd Level (n	n) U	o-Ordina	ates ()				
47075502 Contractor	End	l Dat	e 24-0	0-13	Meth	od / Plant	Used					Sheet	_
ESL						Concret						1 of	1
	21	1					ST	RATA					
Jepth Sample / Test	PID (cpui)	Water		Depth							MMEN	те	Intion
BGL Details	PID :	5	Legend	(Thick ness)			ESCRIPTION				IVIIVIISIN	15	X Installation
				0 25			ONCRETE			D 1110			
0.5	<0.1		22	(0.35) 0.60	data vel 1	f or it ofe	CiteWed sheet Sand is time-	001756	Gravel	Dry NVO			
			XX	0.80	MADE	GROUND	: Brown, san	dy,		Dry NVO			
				i S	fine-me	dium, angu e. Sand is f	ilar-subangula ine-coarse.	ar grave	lof				
					Boreho	le terminat	ed at 0.8m bg	l due to	nhail.				
				[on cond	crete.							
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				l f									
				i k									
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Backfill				Sa	mple II	ianib	Leg	end				GENER	RAL
Cement seal							Ashphalt		Mad	e Ground	_	REMA	
Bentonite Fill												NVO - No visual or C Evidence of Contamin	nation
												in bgl - incters below Hand pitted to 1.2inb	ground level gl
											- 1		
							Groundwater T	ahle	1 600	Indwaler Strike			
						-		2010					
		-	_			-	Logged By	,	CG		App	oved By	ſΜ
							b		CG				/11/1

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	t Name and Site Stag Brewery			ondo	n SW14	Client	AB	Inbev		BOREHOLE N
b No		Da	ate art Date 2 d Date 2	4-08-1	.5 Ground	Level (m)	Co-Ordin	_		BH202A
_	actor					/ Plant Used				Sheet
	ESL					Concrete Corer	_			1 of 1
		100	er				STRATA	1		
pth GL	Sample / Test Details	PID (ppn)	Mater Kater	end (Th	s)	DESCRIP over CONCRI			COMME	ENTS
5	BH202A 0.8	<0.1 <0.1	No.	Z	35) MADE GI fine-mediu concrete. S MADE GI MADE GI	ROUND: Grey, im, angular-sub Sand is fine-coa ROUND: Brow e sand Gravel i	sandy, angular grave rse. n, gravelly, s fine-mediur	el of	'et NVO ry NVO	
0 5	ſ.,	<0.1			.20)	r-subrounded of				
					Borehole (on concret	erminated at 1.3 e.	8m bgl due to	refusal		- - -
				ĺ						
					2			X.		
	Backfill Cement seal Bentonite Fill				Sample Det		<u>Lopend</u> ak	Made Gi	ound	GENERAL REMARKS
						Ground	lwater Table	Groundw	ater Strike	
				_		Log	ged By	CG		pproved By MM

					Boreh	ole Log					
Project Name and Si Stag Brewe			ke Lond	on SW	Client	AF	3 Inbev		E	BOREHOLE	No
Job No	1	Date	20-08	-15	Ground Level (m)	Co-Ordi	_			BH203	
47075502] i	End Da	te 20-08	-15					01		_
Contractor					Method / Plant Use				Sr	neet	
ESL		_	_		Concrete C	orer and Solid St	-			1 of 1	_
	(mq	5				STRAT	A				1 .
Sample / Test Details	PID (ppm)	Water	Legend (ess)		RIPTION		CO	MMENTS		Instal ation
				0.20	TARMAC over CON	CRETE					6 6
-0.5	<0_1			(0.70)	MADE GROUND: V fine-medium, angular yellow and red brick,	ery dense, sandy -subangular grav granite and conc	, vel of prete.	Dry NVO			
5. I () ()					Concrete /	slab.					15
			1 1	- 8	No recovery.						1.2
	ļ.										and concentration
											14
				(2.00)							B
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			1 1	Ē							1 E
			. 7	-							日日
2				3.00	Borehole terminated :	at 3.0m bgl due t	o ne ent				- All
				E	on concrete.		1919-0420-042				
		1		E							
				- 3							1
				15							1.
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F				- 13							λ.
									5		
Backfill				Sa	nple Details	Legend				GENERAI	Ľ,
Cement seal riser		_				shphalt	Ma	de Ground		REMARKS	S
Bentonite seal rise	r						لاحم		NVO	- No visual or Olfacto nce of Contamination	огу
Filter pack riser									m bgl	- meters below grour pitted to 1.2mbgl	nd level.
Filter pack screen									Tand	prive to Tranlogi	
					- G	roundwater Table	⊈ Gro	undwater Strike			
					•						
Backfill	-				I	Logged By			Approved	By MM	
							CG			- IVIIVI	

					_		Boreho	le Log			DODUIOLENI
rojec	t Name and Site				don CI		Client	АТ	3 Inbev		BOREHOLE No
1	Stag Brewery				_						BH203A
ob N		- Cr.	ate ari Dai	e 20-08	8-15	Ground L	evel (m)	Co-Ordi	nates ()		
	47075502	Er	nd Date	e 20-0	8-15	Mathad	Plant Used	- <u>(</u>			Sheet
onti	actor							mand Calld C	am Auco-		1 of 1
_	ESL		_				Loncrete Cor	er and Solid St			1 01 1
		PID (ppm)	er		D. 4	_	_	STRAT.	A		
epth. 3GL	Sample / Test Details	ID (j	Water	Legend			DESCR	PTION		COMM	ENTS
_	1541113	Р	-		ness)	TARMAC					
				22.9	0.20			y dense, sandy ravel of brick,	,	Dry NVO	
0.5	BH203A 0 5	<0.1			(0.70)	angular to s and concret	ub-angular g e	ravel of brick,	granite		
				\otimes							
1.0		< 0.1		<u> 223</u>	0.90	Concrete /	slab.			Dame MEG	
						No recover	у.			Damp, NVO.	
1.5		<0.1			1.1						
		×0.1				5					
		-0.1				I.					
2.0		<0_1				5					
					(2.50)						
2,5		<0_1				2 2					
3.0											
3.5				a la la co	3.50 3.00	Concrete /	s an e slab.				
						No recover				Damp, NVO.	
<u>(4</u>)				1		-					
					(1.20)						
4 5											
			i		4 80						
5,0			1	272	5 00		LAY (no rec			Wet. NVO.	
5 H			1			Borehole to	erminated at	5.0m bgl.			
			1								
	11				(-1)	3				1 · · · ·	
	11		L							1	
			Ł								
			1	f		2					
			1			[
	1.1										
	Backfill	-	-		ient Ist	mple Dea	als.	Legend			GENERAL
10	Cement seal riser					Small disturb sample			Ma	ade Ground	REMARKS
	Bentonite seal riser				1.8	sample	Pa. Cond				NVO - No visual or Olfactory
	Filter pack riser						۰۰۰ دید	12		•	Evidence of Contamination. In bgl - meters below ground lev Hand pitted to 1.2mbgl
	Filter pack screen										
ليتعي											
							Grou	ndwater Table	Gr	oundwater Strike	
			1								
-		_	-					gged By			pproved By MM



						Boreho	le Log				
roject Name and Stag Brev			ke I on	don SV	V14	Client	AF	3 Inbev			BOREHOLE
ob No	wery, i			_		d Level (m)	Co-Ordir				BH204
47075502	2	Start D	ate 21-0	8-15 8-15		_ ()		Č.			
Contractor					Metho	od / Plant Used					Sheet
ESL						Concrete Core	er and Premier	Rig.			1 of 1
	Î	r li					STRAT	4			
eptri Sample / Te GL Details	est G	Water	Legend	Depús (Thúc) (Cái)		DESCRI	PTION		COl	MMEN	TS
				0.28		C over CONCE	RETE		Dry NVO		
			XXX	-3.40	MADE	GROUND: Pea	single -		T NVO		
0	1		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 70	CONCR	ETE			Dry NVO		
	<0	.1	777	0.00	MADE	GROUND: Red	bricks.	1	Dr. NVO		
.0			SSA.	(0.40)	_ MADE (GROUND: Brov lium, angular-su	wn/ red, sandy, ibangular brick	c c	Dry NVO		
BH204	1-3 <0	0.1	666	1.20	· 北方市1			1	Dry NVO		
1.5	2 F 0		7774	1 50	MADE	GROUND: Ver	y soft, brown/ 1 fine-coarse.	red,			
		1	444		MADE	GROUND: Dar lium, angular-su	k grey/ black, s	sandy,	Dry NVO		
	<0	ц.,	BR.		fine-med	lium, angular-sund is fine-coarse	ibangular grav	el of			
2.0			7888 X		- Innt. Ou		·•				
			122	(1.50)							
2.5			1292								
		1	1288								
	-6		1220	3.00	÷						
L0	<(3 20	-	yellow, fine-co			Dry NVO		
BH204	3.3 <().1	000	2.50	Brown,	sandy, fine-med	ium, GRAVEI		Damp NVO		
3.5			UNU.	3 50		e terminated at 1					
				1 3	2						
		14									_
					6						
	- 61	1.		1.1	2						
	- 1			1.1	8						
	- 4										
					8				1		
					÷						
D1-C11			_	l.	1.5	all.	(Ĩ	CENEDAL
Backfill	-				Small dis	turbed	Legend				GENERAL REMARKS
Cement seal				\square	Small dis sample				le Ground		NVO - No visual or Olfactory
Bentonite Fill						Pa Conc		San	Id		Evidence of Contamination
						Sanc	ly Gravel			- 1	m bgl - meters below ground Hand pitted to 1.2mbgl
						1		4			
						Grou	ndwater Table	Gro	undwater Strike		
										_	
						Lo	gged By	CG		Appr	roved By MM

							Boreho	e Log			_		_
Ргојес	et Name and Site			a Lon	don SW	14	Client	٨F	3 Inbev			BOREHOLE	No
Job N	Stag Brewery	L D					nd Level (m)	Co-Ordin				BH205	
	。 47075502	s	art Da	μe 21-0 e 21-0	8-15 8-15	Gioui		CO-OIGII	nates ()				
	ractor	E	nd Dat	e 21-0	0-15	Meth	od / Plant Used					Sheet	
	ESL						Concrete Core	r and Premier	Rig.			1 of 1	
1		G		_		-		STRAT	A				
Denth	Sample / Test	PID (ppm)	Water		Depth							750	Installation
BĠL	Details	PID	2	Legend	(Thick- ness)		DESCRI	PTION		0	MMEN	15	
				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.27 -	CONCR							
				\boxtimes	1	MADE	GROUND: Grey and and gravel o	, dense, fine to	0	Dry NVO			
-0.5				\otimes	(0.53)	coarse s	and and graver o	concrete.					
		<0,1		XX	0.80	MADE	GROUND: Very	dense, brown	ı,	Dry NVO			
-1.0	BH205_1.0	<0.1		\bigotimes		gravel o	ine-medium, ang f brick, concrete	flint, glass. S	ar Sand is				
				\otimes	-	fine-coa	rse. Little ricove	ry.					
-1.5				\boxtimes	(1.70)								
				\otimes									
- 2.0		<0.1		\boxtimes									
÷				\boxtimes	2.50								
-2.5	BH205_2.5	<0.1		0	-	Brown/	orange, gravelly is fine-medium,	fine-coarse S	SAND.	Dry NVO			
				0	(0.50)	subangu	ilar-subrounded.	becoming mo	ore				
-3.0		<0.1		U	5.00		with depth. Litt le terminated at 3						1
					-			-					
					:								
					6								
					-	<u>-</u>							
	-		1 -										
						-1.5 m							
										· · · ·			
_	D 1 (11)		1			1. 5	atail	Legand			1	CIENTED AT	_
2	Backfill					mple D		Legend	M	de Ground		GENERAL REMARKS	5
	Cement seal				\boxtimes	Small di sample		rete elly Sand	Ma			NVO - No visual or Olfacto	ry
	Bentonite Fill							any ound				Evidence of Contamination m bgl - meters below ground Hand pitted to 1.2mbgl	d leve
												- and prive to training.	
							Grou	ndwater Table	⊈ Gro	undwater Strike			
													_
							Lo	gged By	CG		App	roved By MM	

		Borehole Log		
Project Name and Site Locati		Client AB Int	291/	BOREHOLE No
-	rtlake, London SW14	d Level (m) Co-Ordinates		BH206
21	art Date 21-08-15 nd Date 21-08-15		0	
Contractor		od / Plant Used		Sheet
ESL		Concrete Corer and Premier	K	1 of 1
(u		STRATA		
Depth BGL Sample / Test Details QI	Egend Track-	DESCRIPTION	COMME	NTS
BGL Details	i inci	C over CONCRETE		
	NXX MADEO	GROUND: Grey, dense, fine to	Dry, NVO.	
-40:	coarse sa	and and gravel of concrete.		
-10 BH206_1_1 <0,1	_1.00 MADE 0	GROUND: Soft brown sandy clay.	Dry, NVO.	
	Gravel is	s fine-medium, angular-subangular d concrete.	of	
-1.5 <0.1	(0.80)	5 m.		
	1 80 - Borehold	e terminated at 1.8m bgl due to refu	ısal	
	- on conci	rete.		
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	1			
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	E .			
	E.			
Backfill	Sample D		_	GENERAL REMARKS
Cement seal	Small sample	Ashphalt	Made Ground	NVO - No visual or Olfactory
Bentonite Fill				Evidence of Contamination m bgl - meters below ground level Hand pitted to 1 2mbgl
				Hand place to 1 plange
Backfill Cement seal Bentonite Fill		Groundwater Table	Groundwater Strike	
				<u></u>
		Logged By	CG Ap	proved By MM

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Stag Brewery, Mortlake, London SW14 AB Inbev	REHOLE No
	BH207
Job NoDate Start Date25-08-15Ground Level (m)Co-Ordinates ()47075502End Date25-08-15	
Contractor Method / Plant Used Sheet	
ESL Concrete Corer and Premier Rig.	1 of 1
STRATA	
Sample / Test Details and the second	Londbein
0 20 TARMAC	202
0 5 Sector 1 Sector 2 MADE GROUND: Grey/red, dense, fine to coarse sand and gravel of concrete and brick. Dry, NVO. 0 5 BH207 0 7 (0.90) (0.90) Sector 2 Sector 2 Sector 2	
10 <0.1	
<0,1	1.0
BH207 2.6-3.5 • Brown, dense, gravelly SAND. Gravel fine, • occasionally medium of flint. Sand is fine to Dry, NVO.	
n medium.	
350	
Borehole terminated at 3.5m bgl.	
	GENERAL
Cement seal Small and Ashphalt Made Ground R	REMARKS
Bentonite Fill Gravelly Clay Gravelly Sand NVO - No Evidence of m bgl - me	visual or Olfactory of Contamination ters below ground level d to 1 2mbgl
Groundwater Table	
Logged By CG Approved By	MM

		Borenole Log	
roject Name and Site Stag Brewery	ocation Mortlake, London SW14	Client AB Inbev	BOREHOLE No
ob No		nd Level (m) Co-Ordinates ()	BH208
47075502 Contractor		nod / Plant Used	Sheet
ESL		Concrete Corer.	1 of 1
	(u	STRATA	
eptr. Sample / Test	PID (ppm) attr Partial public attr		COMMENTS
BGL Details		DESCRIPTION	COMMENTS
	CONC	GROUND: Brown, sandy, medium	Dry, NVO.
0.5	<0.1 (0.55) gravel (of concrete, brick and flint.	Diy, 1990.
	Boreho on conc	le terminated at 0.8m bgl due to refusal crete.	
-			
Backfill	Sample I	Jeaily Legeod	GENERAL
Cement seal		Concrete 🛛 M	Made Ground REMARKS NVO - No visual or Olfactory Evidence of Contamination m bgl - meters below ground le Hand pitted to 1.2mbgl
		Ţ Groundwater Table Ţ	Groundwater Strike
		Logged By C	CG Approved By MM

rojec	t Na	me and Site	Locat	ion		_	_	Clier	nt	ole Log		-			BOREHOLE	No
5		g Brewery			ke, Lon	don S	W14				AB	Inbev			BH208/	٨
ob N	0		6	Date	ate 25-0	8-15	Groun	nd Level	(m)	Co	-Ordina	ates ()			BH200/	
	470	075502	E	End Da	te 25-0	8-15										
Contr							Meth	od / Pla							Sheet	
_	ES	SL	_	_		_		Conc	rete C	orer and Pr				_	1 of 1	
			(mq	ы		-		_		STF	RATA					1 :
epth BGL		pple / Test Details	PID (ppm)	Water		Depth (Thick- ness)			DESC	RIPTION			COI	MMEN	JTS	Transition Include
					1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0.25	- CONCR									Ì
5			<0.1		\boxtimes	0.50	to suban	GROUN Igular co	ND: F	ine to medit e gravel.	um, ang	gular	Dry NVO			
	*	BH208A_0.8	-0.1			(0,50)	MADE	GROUN	ND: D	ark brown, to coarse sa se, subangu	slightly and. Gra ular to	y avel	Dry NVO			
0	×	BH208A_I_I	<0.1		P	1.00	subroun	ded of b	orick a	and flint.		/	Dry NVO			
.5			<0.1		0 0		 Medium coarse S subangu between 	ılar to sı	ubrou	wn, gravelly is fine to n nded of flin 9m.	, fine to nedium t. Very	o , sandy				
22					0											
.0			<0,1		0		-									
					0	(2.50)	-									
2.5			<0.1		0		2) 7)									
					0		-									
.0		×	<0.1		0		-									
					0		-		ā.							
3.5					0	3.50		le te r mir	nated	at 3.5m bgl						
							Boronon				-					
		2					-								5 2	
				1			•									
							•									
							<u>.</u>									
							-									
							- 2									
				-												
															·	
	Ba	ackfill		_		S	ample D			Lege	end				GENERAL	
$\overline{\mathbb{S}}$	Ceme	ent seal				C	Small dis sample	sturbed	P. C	oncrete		Mai	de Ground		REMARK	_
	Bento	nite Fill							_d (ravelly Sand					NVO - No visual or Olfactor Evidence of Contamination m bgl - meters below ground	lei -
															Hand pitted to 1 2mbgl	
										roundwaler Ta	ble	🕇 Gro	undwater Strike			
									¥. 0			* 0.0				
			_	_	_		_		100							_

rojec	et Name and Site			1 (1)	Client		,	BOREHOLI	E No
	Stag Brewer	_	_	ndon SV		AB I		BH209	9
ob N		Date Stari	e Date 25-0 Date 25-0	8-15	Ground Level (m)	Co-Ordinate	es ()		
	47075502 ractor	End I	Date 23-0	18-15	Method / Plant Used			Sheet	
/01111	ESL					er and Premier ᇌ	ć.	1 of 1	
-	LOD		_	_		STRATA	P		_
!		ID (ppm Water	i	Depla		SIKAIA			1.1
gtn GL	Sample / Test Details	PID (ppm) Water	Legend	(These (These)		IPTION	CC	DMMENTS	1
			2 2 2 2	0.27	CONCRETE				
5 0 .5	BH209_05	<0_1		(2.43)	MADE GROUND: Brc gravelly, fine to coarse coarse, angular to subar concrete. Becoming	sand. Gravel is fin	Dry NVO		
0	BH209_2.7-3.4	<0.1	° •	(0.70) 3.40	Brown, gravelly, fine to is fine to medium, suba of flint. Very little grav Poor recovery between	ngular to subround el between 3.0 -3. 1.2m - 3.4m. Dril e at 2.7m.	ded 2m		
	Backfill			t Is	ample (Jetails	Legend		GENERA	L
	Cement seal Bentonite Fill				Small Cor sample		Made Ground	NVO - No visual or Olfac Evidence of Contaminatin m bgl - meters below gro Hand pitted to 1.2mbgl	CS ctory
_						aged By	-	Approved By MN	,
					La	ogged By	CG	Approved By MM	I

	-		Boreh	ole Log		
Project Name and Site		1 T 1 OV	Client	AB Inb		BOREHOLE NO
	1.5	ike, London SV	Ground Level (m)	Co-Ordinates		BH210
ob No 47075502	Start D	Date 26-08-15 ate 26-08-15	Ground Lever (in)	CO-Ordinates	V	
Contractor	End Da		Method / Plant Use	d		Sheet
ESL			Concrete C	orer and Premier Rig.		1 of 1
	Ê.			STRATA		
eptil Sample / Test BGL Details	PID (ppm) Water	Legend (Thick.	DESC	RIPTION	COMMEN	
		5 4 4 F	CONCRETE			87 87
BH210_0.8	<0.1	0.30	MADE GROUND: D to coarse, subangular natural stones.	ense, brown, sandy, fi to rounded gravel of	ne Dry NVO	
5	<0.1	(0.90)	Soft, brown, sandy Cl clay).	LAY (possibly rework	ed Dry NVO	
.0	<0.1	2.10	Duran saught fins	to contro SAND Crow	vel Dry NVO	
BH210 2.2-2 8	3 <0.1	0	is fine to medium to s Becoming more grave	to coarse SAND. Gra- subrounded of flint. elly with depth.	Diyiwoo	
	<0.1	° (1.40)				
0		0				
5	<0.1	° 3 50	Borehole terminated	at 2 5m hal		
Backfill Cement seal Bentonite Fill			sample		G Gravelly Sand	GENERAL REMARKS NVO - No visual or Olfactory Evidence of Contamination m bgl - meters below ground 1 Hand pitted to 1.2mbgl
				Iroundwater Table		oved By MM

						Bore	hole Log			
	Name and Site				1 (1)	Client		Inhou		BOREHOLE N
	Stag Brewery		_	e, Lon	don SV			Inbev	_	BH211
ob No		SI	ate art Dat	e 26-0	8-15	Ground Level (m)	Co-Ordin	ates ()		
	7075502	En	id Date	26-0	8-15	Method / Plant Us	ad	_		Sheet
Contrac							Corer and Premier	Dia		1 of 1
	ESL			_	_	Concrete				1 01 1
		(udc	er				STRATA	ł	-	
epur S BGL	Sample / Test Details	PID (ppm)	Water	Legend	"Depán (Trick- raus)		CRIPTION		CO	MMENTS
0	■= BH211 0.7	<0.1			0.25	CONCRETE MADE CONTRE coarse, mater and natural contre Becoming clayey wi	gravel of gravel of gravel of	f	Dry NVO	
.0		<0.1		×2	1.50	Soft, brown, grey, sa Gravel is fine to mee angular and subroun to coarse. (possibly	indy, gravelly CLA lium, subangular to ded of flint. Sand reworked clay)	Y. o is fine	Dry NVO	
	BH211 2 2	<0,1		0	2,10	Brown, gravelly, fin is fine to medium, su flint. Becoming mor	e to coarse SAND. abangular to round	Gravel ed of	Dry NVO	
		<0.1		0	(1.40)					
1	1.1				3 50	Borehole terminated	l at 3.5m bgl.			
	-								8	
	Backfill	-					Legend	M	de Ground	GENERAL REMARKS
	ement seal entonite Fill					sample	Concrete Gravelly Sandy Clay	G Gra	avelly Sand	NVO - No visual or Olfactory Evidence of Contamination, m bgl - meters below ground I Hand pitted to 1.2mbgl
						T	Groundwater Table	Gro	oundwater Strike	
							Logged By	CG		Approved By MM

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	1. 1. 1.					ole Log	_		DODEIIOLEN
	Name and Site Stag Brewery			lon SW1	Client	۵F	3 Inbev		BOREHOLE N
ob No					Ground Level (m)	Co-Ordir			— BH212
	17075502	Dat Start	e Date 27-08 Date 27-08	8-15	Ground Lever (iii)	ee oran			
4 Contra		End	Date $27-00$	5-15	Method / Plant Use	d			Sheet
	ESL					orer and Premier	Rig.		1 of 1
-		a	-			STRATA			
		PID (ppm)		D-off		511(11)			MENTS
epun s GL	Sample / Test Details	PID	¥ Legend	ffiel rær	DESC	CRIPTION		COMN	
			19753	(CONCRETE		_		8
5	BH212 0 6	<0.1		• tr	ADE GROUND: P o coarse sand. Grave lint with occasional of	l is fine to mediu	mof	Dry NVO	
0		<0.1			oncrete.	toarse offer and t	crushed		
.5		<0.1		1,70					
0	вн212_1.8-2_5	<0.1	0 0	- (Dense, brown, gravel Gravel is fine to medi ounded. Becoming n	um subangular to)	Dry NVO	
5	\wedge	<0.1	0	(1.80)					
			- X	(1.00)					
ö		<0.1	0	- Ĕ					
			0						
5		<0.1	-	3.50	Borehole terminated	at 3.5m bgl.			
				- P.		5			
				- 8					
				. E.					
	1			E					
				6				ā.,	
				÷.,					
				Ē					
				- F					
				L					
-1									
		,	1						
							i		
_	Backfill			Sar	ple Details	Legond			GENERAL
-	cement seal				0	oncrete	Made 0	Ground	REMARKS
_	lentonite Fill					Gravelly Sand	۔ لاے		NVO - No visual or Olfactory Evidence of Contamination
									Evidence of Contamination, m bgl - meters below ground lo Hand pitted to 1,2mbgl
					T G	roundwater Table	⊈ Ground	lwater Strike	
								_	
_						Logged By	CG		Approved By MM

						nole Log			DODULOUTN
Projec	et Name and Site Stag Brewery		on tlake, London S'	W14	Client	A	B Inbev		BOREHOLE No
Job N		Da			Level (m)	Co-Ord	inates ()		—— BH213
	actor	End		Metho	l / Plant Us	ed			Sheet
	ESL				Concrete	Corer and Premie	r Rig.		1 of 1
-		Î				STRAT	`A		
Depti BGL	Sample / Test Details	PID (ppm)	Legend (Thick		DES	CRIPTION		со	MMENTS
-		<u>.</u>	ness)	CONCRE	ETE				s.
es.	■■■ BH213_06	<0.1	(0.76)	MADE G clayey, sa subangula	ndy, fine to	Brown / grey, slig o coarse, angular 'brick, concrete, to coarse.	to	Damp NVO	
1.0		<0 1	(0.60)	Soft brow (Possibly	n grey slig reworked o	htly gravelly CLA clay)	AY.		
15 25	BH213_1.7-2.0	<0.1	• •	Dense, br Gravel is subround gravel po	fine to med	lly, fine to coarse lium, angular to Occasional sand ghout.		Damp NVO	
23		<0.1	(140)						
30		<0.1			terminated	at 3.0m bgl.			
									-
				a la company					c
-	Backfill		1	interior Da	tait	Legend			GENERAL
	Cement seal Bentonite Fill			Small II sample		Concrete Gravelly Clay Groundwater Table	G Gr	ide Ground avelly Sand oundwater Strike	NVO - No visual or Olfactory Evidence of Contamination. m bgl - meters below ground leve Hand pitted to 1.2mbgl
						Logged By	CC	ĵ	Approved By MM

Borehole Log BOREHOLE No Client Project Name and Site Location AB Inbev Stag Brewery, Mortlake, London SW14 **BH214** Co-Ordinates () Ground Level (m) Job No Date 25-08-15 25-08-15 Start Date End Date 47075502 Method / Plant Used Sheet Contractor 1 of 1 Concrete Corer and Solid Stem Auger. **ESL** STRATA PID (ppm) Water Depth Sample / Test Details Jepth COMMENTS DESCRIPTION Legend (Thick-BĠL i. less) 0.05 0.20 CONCRET CONCRETE Dry NVO MADE GROUP To Lastr borum dense, sandy much State that the Course Gravel is medium to the matter to subrounded of flint and concrete. (0.60) -05 0.80 BH214 0 85 1.5 <0.1 Dry NVO MADE GROUND: Light brown, dense 1.0 gravelly sand. Sand is medium to coarse. Gravel is medium to coarse, subangular to subrounded of flint and concrete. -1.5 (1.80) 2 0 25 2.60 Borehole terminated at 2.6m bgl due to refusal on concrete. City City Sample Details GENERAL Backfill Legend REMARKS Small comme Ashphalt Concrete Cement seal NVO - No visual or Olfactory Evidence of Contamination m bgl - meters below ground level Hand pitted to 1.2mbgl Made Ground Bentonite Fill Groundwater Table Groundwater Strike Approved By Logged By GM MM

					D	orenoie Log				
-	Jame and Site			- 1 0	Clie		1011			BOREHOLE No
	tag Brewery	, Mor	tlak	e, London S			AB Inbev		_	BH214A
Job No 47	075502	Da Star End	1 Data	, 25-08-15 25-08-15	Ground Leve	1 (m) Co-O	rdinates ()			
Contract	tor				Method / Pla	int Used				Sheet
E	SL				Conc	crete Corer and Solid	Stem Auger.			1 of 1
		â				STRA	TA			
Depti Sa BGL	mple / Test Details	PID (ppm)	Water	Legend		DESCRIPTION		COM	MMENT	'S
		-+		0.05	TARMAC		/		-	8
-59			1000	(0.60)	MADE GROU gravel. Sand is medium to coan of flint and con	ND: Light brown, de medium to coarse. C rse, subangular to su crete.	ense, sandy Gravel is brounded	Dry NVO Dry NVO		
-10 			1000	(1.20)	gravelly sand. S Gravel is media subrounded of	ND: Light brown, de Sand is medium to co um to coarse, subang flint and concrete.	parse. gular to			
23				2.00	Borehole termi on concrete.	nated at 2.0m bgl du	e to refusal			
E E Cen										
E	Backfill				ample Detail	Legen	d			GENERAL
Cen	ment seal					Ashphalt	Conc	rete		REMARKS
	ntonite Fill					Groundwater Table	1	ndwaler Strike		NVO - No visual or Olfactory Evidence of Contamination. m bgl - meters below ground le Hand pitted to 1 2mbgl
		_				Logged By	MM		Appro	oved By GM

-						Boreho	le Log				
Proje	et Name and Site			Ŧ	1 01	Client	٨D	Inbev		BOREHO	LE No
	Stag Brewer			ke, Lon	don SV	the second se				BH2	Α
Job N		C1.	ate art Da	te 25-0	8-15	Ground Level (m)	Co-Ordina	ites ()			
Cont	47075502 ractor	En	d Dat	e 23-0	8-15	Method / Plant Used				Sheet	
	ESL						rer and Premier I	Rig.		1 of	1
-		íg.	-	_			STRATA				
Depti-	Sample / Test	PID (ppm)	Water	Legend	Depth				COMM	ENITS	1
BĜL	Details	DID	м	Legend	(Thick- ness)		IPTION				- 2
[$\{i\}$	0.25	CONCRETE					
_0 5	BH2A 0 5	<0.1		XX	(0.55)	MADE GROUND: Bro fine-medium angular gr crushed concrete. Sand	own sandy avel of flint and is fine-coarse.		Dry NVO		
			1		0.80	CONCRETE			Dry NVO		
-10		<0_1			1_10	. Soft, brown, sandy CLA	AY. (Possibly		Dry NVO		
	DUDA 16			23		reworked clay)					
-1.5	BH2A 1.5	<0.1		2 - 2		-					
1 		-0.1		297	(1.40)						
-280) [<0.1		22							
-2.5		<0.1			2,50					1	
-2.3		-0.1		0		Dense, brown, gravelly Gravel is fine-medium,		ND.	Dry NVO		
-3.0		<0.1		10	(1.00)	subangular-subrounded	l of flint.				
- 50		-0.1			(1100)	n.					
-3.5				0	3,50						
						Borehole terminated at	3.5m bgl.				
2				1							- 1 -
						• 2					
				1							
1											
1					, 1	-					
F	1.	1.1			. 1						
1				1		-					- A -
E		1			1 1	1					
ł.	11										
	11										
				1							
<u> </u>	Backfill		-		le.	l minu In Descrift	Legend			GENE	2 4 1
	Cement seal		-			Small disturbed Sample Cor	ncrete	Mac	de Ground	REMA	RKS
	Bentonite Fill						ndy Clay		velly Sand	NVO - No visual or C Evidence of Containi	Difactory nation.
									× .	m bgl - meters below Hand pitted to 1 2mb	ground level
100						1					
51 B								1 ~	undwater Strike		
						Gro	undwater Table	⊻ Gro	undwater Strike		
-			-				ogged By	CG	A	Approved By	ſΜ
		Ľ						CU		1	

Borehole Log BOREHOLE No Client Project Name and Site Location AB Inbev Stag Brewery, Mortlake, London SW14 **BH3A** Ground Level (m) Co-Ordinates () Job No Date Date Start Date 28-08-15 End Date 28-08-15 47075502 Method / Plant Used Sheet Contractor 1 of 1 Concrete Corer and Premier Rig. ESL PID (000) STRATA Water NAMES OF TAXABLE PARTY. Depth BGL Sample / Test COMMENTS Legend (Thick DESCRIPTION BĠL ness) 200 CONCRETE. ŝ, 0.25 Ъ. MADE GROUND: Brown, gravelly, fine-coarse sand. Gravel is fine-medium, Dry NVO BH3A 0,5 < 0.1 05 occasionally coarse, angular-subangular of brick, glass and concrete. (1:25) <0.1 10 1.50 15 <0,1 Dense, brown, sandy, fine-medium, subangular-subrounded GRAVEL of flint. Sand is fine-coarse. 2 Dry NVO (0.50) 2.00 2 0 < 0.1 Dense, brown, gravelly, fine-coarse SAND. Gravel is subangular-subrounded fine-coarse Dry NVO 0 of flint. 0 (1.00) 2 5 < 0.1 o 0 3.00 <0.1 •0 . Borehole terminated at 3.0m bgl. 12.000 3 Sample Details Backfill Legard. GENERAL NAME ALL REMARKS Small sample Made Ground Concrete Cement seal NVO - No visual or Olfactory Evidence of Contamination m bgl - meters below ground level. Hand pitted to 1.2mbgl Gravelly Sand Sandy Gravel 12210 Bentonite Fill LUCH 100000 Groundwater Table Ţ Groundwater Strike Approved By Logged By MM CG

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								ehole	Log					
Proje	et Name and Site			T	1 011	1.4	Client		A T) T. 1			BOREH	HOLE No
_	Stag Brewery			ke, Lon	don SW			`		3 Inbev		_	Bł	14A
Job N		L S)ate tart Da	ue 27-0 e 27-0	8-15	Ground	d Level (m	1)	Co-Ordin	hates ()				
Cont	47075502	E	ind Dat	e 27-0	8-15	Mothe	od / Plant U	Iced	[_		-	Sheet	
Cont	ractor					Metho			nd Premier	Dig			1	of 1
_	ESL		_	_	-		Concrete			_			1	
		(mq	er		D 1				STRAT	A		_		
Depui BGL	Sample / Test Details	PID (ppm)	Water	Legend	ness)			SCRIPT		1		1MEN'I		
-8.5	BH4A 0.9	<0.1			(1.30)	MADE (clayey, g fine-med brick tile	GROUND: ravelly, fir lium, angul and rootle	: Brown, ne-coarse lar-subar ets.	grey, slight sand. Grav ngular of co	tiy vel is mcrete,	Dry. Possible	asbesto	s Iragments.	
-10 -15		<0.1 <0.1		888 • •	1.30	Brown, y Gravel is	very gravel s fine-medi	lly, fine-c ium, nded of f	coarse SAN flint.	JD.	Dry NVO	-		
26		<0.1		0 		suoangu	141-500104							
25		<0_1		2 2 30	(2.70)									
=3.0		<0.1	-	8 (6) (8)										
3.5	BH4A 3 5-4 0	<0. l,		т. 9 10	4 00									
-23		<0.1				Borehol	e terminate	ed at 4.0r	n bgl.					
											1.			
	Backfill			_	Sat	nple D			liegend				GEN	ERAL
	Cement seal Bentonite Fill				K	Small 👪 sample		Made Gro	Jund	d Gra	velly Sand	- 9	REM NVO - No visual Evidence of Cont m bgl - meters be Hand pitted to 1	amination low ground leve
								Groundwa	ater Table	Grou	undwater Strike			
-							¥	Logge	d By	CG		Appro	oved By	MM

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rojec	t Name and Site					Clie			- 1	BOREHOLE No
	Stag Brewer	y, Mo	ortla	ke, Lon	don SV			3 Inbev		BH5A
b N		E s)ate tart Da	ate 28-0 te 28-0	8-15	Ground Leve	l (m) Co-Ordi	nates ()		Briok
	47075502	Ε	ind Da	le 28-0	8-15					Sheet
ontr	actor					Method / Pla		D:-		1 of 1
	ESL		_	_	_	Conc	erete Corer and Premier			1 01 1
		(ud	Ŀ				STRAT	<u>A</u>		
pti GL	Sample / Test Details	PID (ppm)	Water	Legend	Depth (Thick- ness)		DESCRIPTION		COMMENTS	S
				XX	0.15	MADE GROU	ND: Pea LE Brown shorts at	Dry NVC)	
5	BH5A_05	<0_1				gravelly, inclu- tine-modian, o	onnesand. Gravel's censionally source, sounder of red belot.			
)		<0.1			(1.70)					
5		<0.1			1.30	D 1	11. C	AND. Dry NVC		
D		<0.1		0 -0. -0.	(1.20)	Dense, brown, Gravel is fine-r flint.	gravelly, fine-coarse SA nedium, subangular-rou	unded of	,	
5		<0.1		0 11	(1.20)					
0		<0.1		-	3 00	Borehole termi	nated at 3.0m bgl.			
						8				
						1				
				1				1		1
						2				
			1							
						-				
			L			1		1		
	11									
		1	ł.,	1	1					
		1		÷	1	ģ.				
	Backfill		-		3	mple Dataile	Legend			GENERAL
3	Cement seal					Small sample	Made Ground	d Gravelly Sand		REMARKS
	Bentonite Fill				1	_ somple			E	VO - No visual or Olfactory Evidence of Contamination
] n	n bgl - meters below ground lev fand pitted to 1 2mbgl
								4		
							Groundwater Table	Groundwater Strik	e	
								-	- la	15
							Logged By	CG	Арргоу	ved By MM

							Bor	ehole	Log					
Proje	ct Name and Site			_			Client			D. T. 1			BOREHO	LE No
	Stag Brewery	_	_	ke, Lon	don SV					B Inbev		_	BH7	Ά
Job N		6	Date tari Da	_{ite} 27-0	8-15	Grour	nd Level (m	n)	Co-Ordi	nates ()				
<u> </u>	47075502	E	nd Da	le 27-0	8-15		- J / TM 7	Tage	L			_	Sheet	
Cont	ractor					Meth	od / Plant U		nd Dromin	- Dia			1 of	1
	ESL		-			-	Concrete		nd Premier				1 01	1
			ter		Dorth				STRAT	A				5
Dopfi 1941	Sample / Test Details	PID (par)	Water	Legend	(Thick ness)	CONCE		ESCRIPT	ION		СО	MMEN	TS	Installation
					(0.55) 0.55	CONCE								
-0.5	вн7А 07	<0.1		×	(0.65)	MADE slightly subangu wood	GROUND gravelly, si ilar of red l	: Soft, da ilty clay. brick with	rk brown/ Gravel is f 1 fragment	grey, ine and is of	Damp NVO			
		<0.1		•	1.20 1.50	medium	slightly gra	of flint.			Dry NVO	_		
-1.5 		<0.1		0		Dense, l Gravel o fine-me	orown, gra content inc dium, suba	velly, fine reases wi ingular-su	e-coarse S th depth. (ibrounded	AND. Gravel is of flint.	Dry NVO			
2.0				0	(1.50)									
-2.5	ВН7А 2 5-3 0	<0.1		0 3										
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Appendix 2

Correspondence with GLAAS re archaeological mitigation

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: <u>richard.meager@cgms.co.uk</u> 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: <u>richard.meager@cgms.co.uk</u> Mobile: 07764 830956

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

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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:

- 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 MCI fA Senior Associate Director Direct Dial: 020 7832 0253 Mobile: 07881 020428 Email Address: <u>chris.clarke@cgms.co.uk</u>

CgMs Consulting

Part of RPS Group Plc *Planning & Heritage Consultants* 140 London Wall, London EC2Y 5DN **Tel: 020 7583 6767 Fax: 020 7583 2231** Co. Reg No. 3303376 www.cgms.co.uk

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B. Appendix 14.2: Archaeological Evaluation Report



APPENDIX 14.2 ARCHAEOLOGICAL EVALUATION REPORT



ARCHAEOLOGICAL EVALUATION REPORT

Stag Brewery Mortlake

Planning • Heritage Specialist & Independent Advisors to the Property Industry November 2016

DOCUMENT VERIFICATION

THE STAG BREWERY, LOWER RICHMOND ROAD, MORTLAKE, LONDON BOROUGH

OF RICHMOND-UPON-THAMES, SW14 7ET

Type of project ARCHAEOLOGICAL EVALUATION Quality Control

Pre-Construct Archaeology Limited Project Code K4559				
	Name	Signature	Date	
Text Prepared by:	J Langthorne & Stacey Amanda Harris		4.11.16	
Graphics Prepared by:	J Simonson & Hayley Baxter		4.11.16	
Graphics Checked by:	J Brown	Josephile Brown	7.11.16	
Project Manager Sign-off:	T Bradley	Port	7.11.16	

Revision No.	Date	Checked	Approved

Pre-Construct Archaeology Ltd Unit 54 Brockley Cross Business Centre 96 Endwell Road London SE4 2PD

AN ARCHAEOLOGICAL EVALUATION AT THE STAG BREWERY, LOWER RICHMOND ROAD,

MORTLAKE, LONDON BOROUGH OF RICHMOND-UPON-THAMES, SW14 7ET

Site Code:	LRR16			
Local Planning Authority:	London Borough of Richmond-upon-Thames			
Central National Grid Reference:	TQ 20383 76035			
Written by:	James Langthorne and Stacey Amanda Harris			
	Pre-Construct Archaeology Limited, November 2016			
Project Manager:	Tim Bradley			
Commissioning Client:	CgMs Consulting			
Contractor:	Pre-Construct Archaeology Limited			
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	Brockley			
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November 2016

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1 ABSTRACT

- 1.1 This report presents the results of an archaeological investigation and geotechnical watching brief conducted by Pre-Construct Archaeology Limited on land at The Stag Brewery, Lower Richmond Road, Mortlake, London Borough of Richmond-upon-Thames. The site is centred at National Grid Reference TQ 20383 76035.
- 1.2 Following the Written Scheme of Investigation prepared by CgMs Consulting (CgMs 2016), an archaeological evaluation was carried out between 8th 22nd July 2016, prior to potential redevelopment of the site. The investigation comprised the excavation of six archaeological trial trenches (Trenches 1 6) and three test pits (Test Pits 1-3) that were located in order to identify remains pertaining to a Tudor mansion, a medieval palace and its precinct, the line of the former Thames Street and a parish church and its graveyard. Subsequently a geotechnical watching brief was carried out between 3rd-12th October 2016, which consisted of the observation and recording of 11 window samples and 2 boreholes all of which were located within the eastern half of the site.
- 1.3 The archaeological evaluation and geotechnical watching brief indicated that the establishment, development and re-development of the Brewery complex during the 19th and 20th centuries led to substantial horizontal truncation of potential archaeological horizons. However, areas of surviving archaeological stratigraphy were also recorded; traces of 19th century buildings that pre-dated the Brewery were encountered in the eastern part of the site, a large carved stone moulding that was considered to relate either to the mansion or the palace was recovered from a modern context, a potential cut feature was identified cutting natural deposits, and areas of intact subsoil deposits sealing the natural sand and gravel were found in the majority of trenches and window samples.
- 1.4 Natural river terrace deposits, consistent with the geology of the area, were encountered in almost all of the trenches, and all of the geotechnical investigations, at heights varying between 2.25-5.06m OD. While some of this variance in height was due to modern disturbance, many areas appeared not to have been truncated as inferred by the presence of overlying subsoil, leading to the conclusion that there was a gradual east-west topographic declination across the site.

2 INTRODUCTION

- 2.1 An archaeological evaluation was undertaken by Pre-Construct Archaeology Limited on land at the Stag Brewery, Lower Richmond Road, Mortlake, London Borough of Richmond-upon-Thames between 8th-22nd July and a follow-up geotechnical watching brief was undertaken between 3rd -12th October 2016. The site is centred at National Grid Reference TQ 20383 76035 (Figure 1).
- 2.2 The evaluation consisted of 6 trenches and 3 test pits (Figure 2), and the watching brief consisted of the monitoring of 11 window samples and 2 bore holes (Figure 12). The aim of these investigations was to determine the location, form, extent, date, character, condition, significance and quality of any surviving archaeological remains liable to be threatened by any proposed development and investigate existing disturbance of the ground caused by modern intrusions.
- 2.3 The following specific research objectives were set for the archaeological investigation at the Stag Brewery:
 - The exercise will seek to understand the context of the findings in relationship to the wider settlement pattern, landscape, economy and environment.
 - The interpretation of locally distinctive or regionally/nationally significant archaeological features, relating to the medieval palace and parish church to the east, together with the Renaissance mansion to the west.
 - How the site's topography has influenced past activity and settlement.
 - To advance our knowledge of the archaeology of the region through the application of appropriate scientific dating techniques.

To understand the impact of development since the eighteenth century.

- 2.4 The site consists of the large irregularly shaped plot containing the various buildings that comprise the Stag Brewery. The site boundaries are defined by Lower Richmond Road and Mortlake High Street to the south, Williams Lane to the west, the bankside of the River Thames to the north and to the east by Bull's Alley. Additionally the central part of the site is bisected by the north-south aligned Ship Lane. It encompasses an area of approximately 3.2 hectares.
- 2.5 The archaeological evaluation and watching brief was conducted by Pre-Construct Archaeology Limited under the supervision of James Langthorne and Stacey Amanda Harris under the project management of Tim Bradley. The archaeological work was commissioned by Richard Meager of CgMs Consulting.
- 2.6 The site was recorded under the unique site code LRR16, issued by the Museum of London. The completed archive comprising written, drawn and photographic records will, upon completion of the project, be deposited with the London Archaeological Archive and Research Centre (LAARC) under that code.
- 2.7 There are no Scheduled Monuments or listed buildings on or close to the site. However the site is located within an Area of Archaeological Priority as defined by the London Borough of Richmond-upon-Thames.

3 PLANNING BACKGROUND

3.1 National Guidance: National Planning Policy Framework

- 3.1.1 The National Planning Policy Framework (NPPF) was adopted on March 27th 2012, and now supersedes the Planning Policy Statements (PPSs). The NPPF constitutes guidance for local planning authorities and decision-takers both in drawing up plans and as a material consideration in determining applications.
- 3.1.2 In considering any planning application for development the local planning authority will be guided by the policy framework set by the NPPF, by current Local Plan policy and by other material considerations.

3.2 Regional Policy: The London Plan

3.2.1 The relevant Strategic Development Plan framework is provided by The London Plan, published July 22nd 2011. Policy 7.8 headed "Heritage Assets and Archaeology" details guidance relating to strategy and planning decisions that affect the historic environment and the outlines the formulation of Local Development Framework for each London Borough.

3.3 Local Development Framework: London Borough of Richmond-upon-Thames and the Development Management Plan

3.3.1 The relevant Local Development Framework is provided by the Development Management Plan which was adopted in November 2011. This plan contains policy statements in respect of protecting the buried archaeological resource. The site is subject to the Council's Archaeology Policy DM HD 4.

3.4 Planning condition

3.4.1 The archaeological investigation at the Stag Brewery was undertaken prior to the determination of any planning conditions. It was anticipated that the Greater London Archaeological Advisory Service (GLAAS) would require appropriate archaeological fieldwork measures prior to the submission of a planning application, and subsequently, secured by conditions to the granting of planning permission (CgMs 2016).

4 GEOLOGY AND TOPOGRAPHY

4.1 Geology

- 4.1.1 The geology on the site comprises the London Clay deposits that form the London Basin sealed beneath Kempton Park floodplain gravels. These gravel terraces are further overlain by alluvium, defined as 'mainly sand, silt and clay', along the northern boundary of the site and finally capped by made ground.
- 4.1.1 Previous archaeological and geotechnical investigations at the site indicated London Clay overlain by river terrace gravels and floodplain sands and gravels, at heights varying between 1.95-3.60m OD, which were in turn sealed by alluvium at heights between 3.30-3.92m OD.
- 4.1.2 This investigation also revealed that natural deposits were sealed beneath substantial quantities of overburden and truncation by a variety of concrete and masonry structures, such as basements or brick and concrete footings and foundations.

4.2 Topography

- 4.2.1 The general topography of the Stag Brewery site is level with a gentle declination from south to north at heights varying between 4.40-5.20m OD from c.3.44-4.06m OD.
- 4.2.2 The site is almost immediately to the south of the River Thames.

5 ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

5.1 Introduction

5.1.1 The archaeological and historical background cited below was summarized from the site-specific desk-based assessment prepared by CgMs Consulting (CgMs 2009) and the Archaeological Impact Assessment composed by the Museum of London (MoLAS 1995).

5.2 Prehistoric

5.2.1 Artefacts, including pottery and worked metal and flint, dating to the Neolithic and Bronze Age were recovered from the vicinity of Townmead Road to the north-west of the site; while gullies, shallow pits and pottery dated to both the Bronze Age and Iron Age were recorded at 107 Mortlake High Street to the east of the site. These sites represent the majority of evidence of prehistoric activity near to the site with the remainder consisting of occasional finds and features encountered along Mortlake High Street and along the Thames foreshore.

5.3 Roman

5.3.1 No Roman finds have as yet been identified anywhere within the immediate environs of the Stag Brewery site. However given the site's close proximity to the River Thames it may have been subject to periodic flooding during this period thus discouraging settlement of the site at this time.

5.4 Saxon and medieval

- 5.4.1 While no Anglo-Saxon activity has been encountered in the area around the Stag Brewery documentary evidence, specifically an entry in the Domesday book indicated that Mortlake was a wealthy estate during the latter part of the Saxon period and was held by the Archbishops of Canterbury.
- 5.4.2 During the medieval period the site appeared to encompass three specific properties:
 - The palace of Archbishop of Canterbury (located in the western part of the site)
 - A 14th century church and it's graveyard (thought to have been located immediately to the east of the palace)
 - A part of the medieval settlement of Mortlake including the now defunct Thames Street (to the south and east of the church).
- 5.4.3 Traces of medieval walls, foundations and ploughsoils have been encountered within the eastern part of the site and along Mortalke High Street.
- 5.4.4 It was considered that while the eastern part of the Brewery site was developed during the medieval period the western portion on the opposite side of Ship Lane would have been open land and put to horticultural or agricultural use.

5.5 Post-medieval and Modern

- 5.5.1 Between AD1535-1536 the Archbishop of Canterbury, Thomas Cranmer, exchanged the palace and manorial lands of Mortlake with the Crown for other holdings elsewhere. Henry VIII subsequently awarded the property to Thomas Cromwell who undertook a major programme of building works. After Cromwell's fall from grace and execution in AD1540 King Henry once again assumed ownership of the property. The King attached it to the honour of Hampton Court and lived there for a time. The church to the east of the palace was demolished at this time, by Henry's command, and a new church was constructed some 300m further east.
- 5.5.2 The title of the land passed through several hands following William Cecil, who took possession between AD1551-1552. It is known that several aspects of the palace site survived into the middle part of the 17th century; the gatehouse and various associated buildings becoming an inn.
- 5.5.3 The Stag Brewery itself was the result of the merging of two earlier breweries, one of which, Weatherstone's, was founded in the latter part of the 18th century. By the early 19th century, at the point of its acquisition by the Brewery, the site of the palace had become market gardens. Mortlake Brewery embarked on a period of major expansion in AD1807 which resulted in the complete absorption of the line of Thames Street by AD1865. The Brewery complex has undergone significant redevelopments during the 1970s and the 1990s.
- 5.5.4 The Stag Brewery closed down in December 2015.

6 ARCHAEOLOGICAL METHODOLOGY

- 6.1 The excavation of the six trenches and three test pits was outlined in the Written Scheme of Investigation for an Archaeological Evaluation (CgMs 2016), whilst the instillation of 11 window samples and two boreholes was outlined in the Written Scheme of Investigation of an Archaeological Watching Brief (Bradley 2016).
- 6.2 The general aims of the evaluation and watching brief were to determine the location, form, extent, date, character, condition, significance and quality of any surviving archaeological remains, regardless of period, liable to be threatened by any proposed development and clarify the nature and extent of existing disturbance and intrusions.
- 6.3 The archaeological evaluation was also to address the following specific research objectives:
- 6.4 The exercise will seek to understand the context of the findings in relationship to the wider settlement pattern, landscape, economy and environment.
- 6.5 The interpretation of locally distinctive or regionally/nationally significant archaeological features, relating to the medieval palace and parish church to the east, together with the Renaissance Mansion to the west.
- 6.6 How the site's topography has influenced past activity and settlement.
- 6.7 To advance our knowledge of the archaeology of the region through the application of appropriate scientific dating techniques.
- 6.8 To understand the impact of development since the eighteenth century.
- 6.9 Ultimately the archaeological evaluation and geotechnical investigation were intended to provide sufficient information to construct an archaeological mitigation strategy. The locations of each of the trenches and test pits were chosen in order to maximise the possibility of encountering specific features identified in the Written Scheme of Investigation:
 - Test Pits 1-3 and Trenches 1 & 2 were situated to examine the footprint of the Renaissance Mansion.
 - Trenches 3 & 4 were located within the precinct of the medieval palace.
 - Trench 5 was positioned along the former line of Thames Street.
 - Trench 6 was situated within the area of the former church and its graveyard.
- 6.10 Due to the location of services and above ground structures it was necessary to slightly re-locate Test Pits 1 and 3 and Trench 5 from their proposed locations; however they were still able to facilitate their original objectives in their new locations.
- 6.11 All trenches and test pits were excavated either by a JCB (in the cases of Test Pits 1-3 and Trenches 1 & 2) or a 13 ton machine (in the cases of Trenches 3-6) under archaeological supervision until either significant archaeological horizons or natural deposits were encountered at which point deposits were cleaned and excavated by hand. The first table below summarises the dimensions of each of the trenches and the second the dimensions of the three test pits.

Trench Number	Orientation	Length (m)	Width (m)	Max. Depth (m)
1	NW-SE	10.05	2.00	1.83
2	N-S	10.00	2.00	1.70
3	N-S	20.10	1.90	1.59
4	E-W	20.00	1.80	2.36
5	E-W	15.00	1.80	1.93
6	E-W	20.00	1.80	2.40

Test Pit Number	Length (m)	Width (m)	Max. Depth (m)
1	2.00	2.00	1.19
2	2.00	2.00	1.63
3	2.00	2.00	2.01

- 6.12 All deposits were then recorded on *pro forma* context sheets. Trench plans were drawn at a scale at 1:20 or 1:50 as appropriate and sections were drawn either at a scale of 1:10 or 1:20. The locations of the trenches were determined using a GPS system. A digital photographic record was also kept of all the trenches.
- 6.13 Temporary benchmarks at heights of 6.39m OD, 5.74m OD, 5.80m OD, 5.09m OD and 4.63m OD respectively were established on site using the GPS for levelling purposes.
- 6.14 Observation of the geotechnical work allowed for additional information to be gathered and for areas not covered by the initial evaluation.
- 6.15 Due to the presence of thick slabs of reinforced concrete across the majority of the eastern half of the site, three of the window samples and one of the boreholes had to be moved in order to allow them to be excavated to the required depth.
- 6.16 All geotechnical interventions were within the eastern half of the Stag Brewery, to the east of Ship Lane.
- 6.17 In all geotechnical locations a JCB mechanical digger was used to break through the tarmac and reinforced concrete surface to allow for the geotechnical work.
- 6.18 The two boreholes were excavated using a Percussion drill, Borehole 1 reached its target depth of 30m BGL, whilst Borehole 2 reached 3.60m BGL before being abandoned and relocated within a pre-existing borehole around 2m to the south, which was pre-dug to a depth of 5m BGL and continued to a depth of 30m BGL.
- 6.19 Window samples 01, 02, 03, 04 and 05 were excavated to their target depth of 5 m BGL.
- 6.20 It was intended that window samples 06, 07 and 08 would be located within the bottling warehouse.WS 06 was abandoned at a depth of 0.60m BGL and WS 07 was abandoned at 1.20m BGL as the equipment could not dig through the layers at this level.
- 6.21 Due to the presence of the bottling equipment, WS 08 was moved to the loading bay to the east of the bottling warehouse due to restricted JCB access. A 2.20m by 1.20m sondage was required to a depth of 2m BGL in order to remove the two layers of reinforced concrete prior to the insertion of the window sample in this location.
- 6.22 WS 09 and WS 10 were abandoned at a depth of 0.70m and 0.80m respectively after being unable

to penetrate further layers of reinforced concrete. These were both relocated into the aforementioned evaluation Trenches 5 and 6 in order to allow analysis of the underlying soil conditions to a depth of 5m BGL.

6.23 A further sondage was required in the location of Window sample 11. Here a 2.00m by 0.90m sondage was excavated to a depth of 1.20m BGL in order to remove the two layers of concrete and allow the window sampler to continue.

6.24	Investigation	Sondage	dimensions (if e	xcavated)	Max. Depth
	Name	Length (m)	Width (m)	Depth (m)	(m)
	BH 1	-	-	-	30.00
	BH 2	2.00	1.20	3.60	3.60
	WS 01	-	-	-	5.00
	WS 02	-	-	-	5.00
	WS 03	-	-	-	5.00
	WS 04	-	-	-	5.00
	WS 05	-	-	-	5.00
	WS 06	-	-	-	0.60
	WS 07	-	-	-	1.20
	WS 08	2.20	1.20	2.00	2.50
	WS 09	-	-	-	4.00
	WS 10	-	-	-	5.00
	WS 11	2.00	0.90	1.50	30.00

- 6.25 The complete archive produced during the evaluation and watching brief, comprising written, drawn, photographic records and artefacts will be deposited with LAARC, identified by site code LRR16.
- 6.26 Pre-Construct Archaeology Limited is a Registered Archaeological Organisation (number 23) with the Institute of Field Archaeologists and operates within the Institute's 'Code of Practice'.

7 THE ARCHAEOLOGICAL SEQUENCE

7.1 Trench 1 (Figure 3 & Image 1)

7.1.1 Phase 1: Natural

7.1.2 The earliest deposit recorded in Trench 1 was naturally deposited loose mid greyish orange brown sandy gravel [49] encountered at a maximum height of 5.06m OD in a sondage at the north-west end of the trench. Natural sandy gravel [49] was also recorded in a sondage in the central part of the trench at a height of 4.67m OD; however it was clear that this variation in height was the result of later truncation rather than undulations of the natural river terrace gravels.

7.1.3 Phase 3: Subsoil

- 7.1.4 Sealing natural sandy gravel [49] in the sondage in the north-western part of Trench 1 was a 0.20m thick layer of fairly loose light slightly yellow grey brown slightly silty sand with occasional subrounded and rounded pebbles [48] which formed an interface between natural [49] and subsoil [47] which, in turn, subsequently sealed silty sand [48].
- 7.1.5 Overlying subsoil [47] was composed of fairly firm mid grey brown slightly clayey silt sand with occasional-moderate sub-angular, sub-rounded and rounded pebbles and very occasional brick and concrete flecks pressed into the surface. It was not possible to precisely date this layer as no datable evidence was recovered from this very sterile deposit. Layer [47] extended 3.75m from the north-west end of the trench, it was 0.28m thick and found at heights between 5.41-5.64m OD.

7.1.6 Phase 4: Modern

- 7.1.7 Overlying subsoil [47] at the north-west end of the trench and natural sandy gravel [49] in all other areas was a 1.17m thick layer of fairly loose mid greyish brown sandy silt with frequent brick and concrete rubble and occasional metal and tile inclusions [46]. This layer of modern made ground was recorded at heights between 5.75-5.84m OD.
- 7.1.8 Within this layer of made ground [46] a residual find of some interest was recovered, specifically a large piece of Bath limestone shaped into a gabled or peaked niche upon which a large *fleur-de-lys* style design that incorporated Scottish thistles had been carved (Image 11). It may well be a stone carving of a coat–of-arms, and traces of plaster in and around its base and lower sections suggest that it was painted. Both the choice of material and the sharp *fleur-de-lys* moulding is typical of the kind of decoration seen on large Tudor secular houses in London (See Hayward in Appendix 4).
- 7.1.9 Made ground [46] was in turn sealed by a layer of fairly firm and friable mid-light pinkish orange brown silty sand and gravel with occasional brick and concrete fragments [45]. Layer [45], found at heights between 6.12-6.15m OD, was 0.34m thick and formed a bedding layer for the 0.30m thick reinforced concrete slab that formed part of the current Brewery yard surface.

7.2 Trench 2 (Figure 4 & Images 2 and 3)

7.2.1 Phase 1: Natural

- 7.2.2 Naturally deposited fairly loose light-mid yellow orange brown gravelly sand [42] was the earliest deposit recorded in Trench 2. It was found within a sondage in the southern-central part of Trench 2 at a height of 5.04m OD.
- 7.2.3 Phase 2: Subsoil
- 7.2.4 Natural gravelly sand [42] was overlain by a 0.44m thick layer of firm light yellow brown sandy silt subsoil [37] that was encountered at a maximum height of 5.50m OD. As with the similar deposit [47] in Trench 1, subsoil [37] was rather sterile and contained no datable evidence.
- 7.2.5 Phase 3: 19th Early 20th century structures
- 7.2.6 Cutting subsoil layer [37] to the north and east was basement [38] and, to the south, a line of unmortared bricks [39] that respected the line of basement [38] and may have sealed a service run. Both structures were built from type 3032 frogged bricks which dated AD1780-1900 in the case of possible service run [39] and, due to the mortar allowing for more precise dating, AD1830-1950 in the case of basement [38]. The basement floor was recorded at a height of 4.80m OD and the top of the wall at 5.48m OD. The dimensions and heights that both structures were recorded at are detailed in the following table:

Context	Orientation	Length (m)	Width (m)	Depth (m)	Max. Height
no.					(m OD)
38	NW-SE	4.50	2.35	0.68	5.48
39	NE-SW	1.05	0.15	-	5.08

7.2.7 Phase 4: Modern

- 7.2.8 Overlying service structure [39] and the southern edge of basement [38] was a deposit of fairly firm but friable mid-dark grey brown sandy silt with occasional brick fragments and coal and charcoal flecks [41]. This backfill was encountered at a maximum height of 5.07m OD.
- 7.2.9 The interior part of [38] was backfilled with a deposit of dumped material [40] of the same composition as layer [41]; this deposit was 0.75 thick and encountered at a maximum height of 5.55m OD.
- 7.2.10 Overlying both backfills [40] and [41] was a 1.15m thick layer of friable mid grey brown silty sand with brick and concrete rubble [36] that was encountered at a maximum height of 5.95m OD.
- 7.2.11 Ultimately all deposits in Trench 2 were sealed by the reinforced concrete slab of the current Brewery yard surface and its associated bedding layer [35].

7.3 Trench 3 (Figure 5 & Image 4)

7.3.1 Phase 1: Natural

7.3.2 The earliest deposit found in Trench 3 was naturally deposited fairly loose mid-light orange brown sand and gravel [44] at a height of 4.40m OD, recorded in a sondage in the southern part of the trench.

7.3.3 Phase 3: 19th – early 20th century structures

7.3.4 The earliest structure recorded in Trench 3 was the remnant of a manhole [24] composed of type 3220 modern machine brick dated to AD1850-1950. Structure [24] ran 0.64m northeast-southwest by 0.21m northwest-southeast and was found at a maximum height of 4.66m OD.

7.3.5 Phase 4: Modern

7.3.6 All of the remaining structures found in Trench 3 appeared to be related to the current Brewery complex. These structures included concrete foundations [22], [23], [26], [27], [29] and [31] and concrete covered service pipes [25], [28] and [30]. The details of these structures and the heights that they were found at are listed in the table below:

Context	Туре	Orientation	Length (m)	Width (m)	Max.
no.					Height (m
					OD)
22	Concrete	-	1.25	0.60	5.56
	foundation				
23	Concrete	N-S	2.75	0.80	5.43
	foundation				
26	Concrete	-	1.15	0.95	5.53
	foundation				
27	Concrete	N-S	3.20	0.80	5.40
	foundation				
29	Concrete	N-S	2.60	0.80	5.06
	foundation				
31	Concrete	N-S	3.70	0.80	5.05
	foundation				
25	Concrete	E-W	1.80	0.30	4.95
	covered				
	pipe				
28	Concrete	E-W	1.80	0.30	4.94
	covered				
	pipe				
30	Concrete	E-W	1.80	0.30	5.04

covered		
pipe		

- 7.3.7 All deposits and structures were subsequently backfilled by fairly firm dark blackish grey brown slightly clay sandy silt with frequent brick rubble, moderate small angular, sub-angular and sub-rounded gravel and very occasional concrete, coal and charcoal flecks [21]. This layer was more than 0.80m and reached a maximum height of 5.20m OD.
- 7.3.8 Made ground [20] was finally sealed by the reinforced concrete slab of the current Brewery yard surface and its bedding layer.

7.4 Trench 4 (Figure 6 & Image 5)

7.4.1 Phase 1: Natural

- 7.4.2 The earliest deposit found in Trench 4 was naturally deposited fairly loose mid-light orange brown sand and gravel [43] at a height of 3.62m OD in a sondage at the eastern end of the trench.
- 7.4.3 Phase 2: Subsoil
- 7.4.4 Natural sand and gravel [43] was sealed at the eastern end of Trench 4 by a 0.70m thick layer of subsoil composed of firm mid yellowish green grey silty sand with occasional mortar, CBM and charcoal flecks [17]. No datable evidence was found within this deposit and it was encountered at a maximum height of 4.32m OD.
- 7.4.5 Subsoil [17] was overlain in turn by a 0.50m thick layer of firm mid-dark grey brown silty sand with mortar, CBM and charcoal flecks [16]. Pottery and glass fragments recovered from this deposit dated from AD1830-1900.

7.4.6 Phase 3: 19th – early 20th century structures

7.4.7 Made ground [16] was cut by two wall foundations [18] and [19]. Both of these were constructed of brick dating to AD1830-1950 on a concrete base. The descriptions of both structures are summarised in the following table:

Context no.	Orientation	Length (m)	Width (m)	Max. Height (m OD)
18	E-W	10.00	0.40	5.41
19	N-S	1.80	0.40	5.39

7.4.8 Phase 4: Modern

7.4.9 Both structures [18] and [19] were backfilled by a 0.40m thick layer of loose mid grey brick and concrete rubble [15] that was recorded at a maximum height of 5.22m OD.

7.4.10 Demolition backfill [15] was overlain in turn by a 0.40m thick layer of made ground [14] comprising firm light grey brown silty sand and brick and concrete rubble. This layer was encountered at a maximum height of 5.62m OD and was ultimately sealed by the 0.10m thick layer of tarmac that makes up the current road surface of this area of the Brewery complex.

7.5

7.6 Trench 5 (Figure 7 & Images 6 and 7)

- 7.6.1 Phase 1: Natural
- 7.6.2 The earliest deposit found in Trench 5 was naturally deposited fairly loose mid-light orange brown sand and gravel [34] at a height of 2.25m OD in a sondage at the eastern end of the trench.

7.6.3 Phase 2: Subsoil

7.6.4 Natural sand and gravel [34] was sealed at the eastern end of Trench 5 by a 0.83m thick layer of subsoil composed of firm mid yellowish green grey silty sand with occasional mortar, CBM and charcoal flecks [13]. No datable evidence was found within this sterile deposit and it was encountered at a maximum height of 3.57m OD.

7.6.5 Phase 4: Modern

- 7.6.6 Overlying subsoil [13] was a successive series of made ground deposits consisting of silty sand and sand: with moderate-frequent demolition rubble inclusions: [12], [11], [10] and [9] that were encountered at maximum heights of 3.83m OD, 4.07m OD, 4.27m OD and 4.67m OD respectively.
- 7.6.7 A number of modern services were seen to truncate made ground [9] and the layer was finally sealed beneath the 0.20m thick tarmac road surface of this part of the Stag Brewery.

7.7 Trench 6 (Figure 8 & Images 8 and 9)

7.7.1 Phase 1: Natural

7.7.2 The earliest deposit found in Trench 6 was naturally deposited fairly loose mid-light orange brown sand and gravel [33], recorded at a height of 2.68m OD in a sondage in the central part of the trench.

7.7.3 Phase 3: 19th – early 20th century structures

- 7.7.4 It would appear that natural sand and gravel [33] had been truncated in this part of site by later groundworks, specifically the construction of a basement as represented by basement floor [32] seen in the base of the sondage in the central part of the trench. Furthermore in Trench 6 there was no evidence of subsoil deposits as seen in almost all of the other trenches.
- Floor [32] was constructed of a single course of type 3038 frogged stock bricks dated to AD1830-1950 on a 0.35m thick concrete foundation. The complete floor structure was 0.42m thick and was encountered at a maximum height of 3.10m OD.

7.7.6 Phase 4: Modern

- 7.7.7 The basement floor [32] was backfilled with loose light grey brown silty sand and brick and concrete rubble [2]. This layer reached a maximum depth of 1.20m and was recorded at a maximum height of 4.28m OD.
- 7.7.8 Truncating modern backfill [2] were several services including ceramic pipes [5] and [7] and a concrete manhole with an associated ceramic pipe [3] which lay within construction cuts [6], [8] and [4] respectively. The details of these structures are summarized in the table below:

Context no.	Туре	Orientation	Length (m)	Width (m)	Max. Height
					(m OD)
3	Manhole and	NE-SW	2.5	1.25	4.15
	associated				
	ceramic pipe				
5	Ceramic pipe	N-S	1.80	0.12	3.70
7	Ceramic pipe	NW-SE	2.25	0.12	3.93

7.7.9 All three structures were overlain by a 0.30m thick layer of made ground composed of firm light grey brown silty sand and concrete and brick rubble [1]. Made ground [1] was found at a maximum height of 4.58m OD and was ultimately sealed beneath the 0.20m thick layer of tarmac that serves as the current car park surface in this part of the site.

7.8 Test Pit 1 (Figure 9)

7.8.1 Phase 4: Modern

- 7.8.2 Due to the substantial nature of the concrete intrusions within the boundaries of Test Pit 1 it was not possible to excavate this trench beyond 1.19m below ground level. Accordingly the earliest feature recorded in Test Pit 1 was part of a concrete foundation [52] seen along the eastern side of the test pit. It was encountered at a height of 5.17m OD and probably related to the current Brewery complex building a very short distance to the east of the test pit.
- 7.8.3 Backfilling concrete foundation [52] was a deposit of fairly firm but friable mid-dark grey brown sandy silt with moderate concrete and brick flecks and fragments, occasional whole bricks and occasional-moderate gravel. This deposit was 0.70m deep and reached a height of 5.89m OD.
- 7.8.4 To the west of concrete foundation [51] and overlying made ground [50] was a large irregularly shaped concrete intrusion [51]. This concrete, measuring 2.00m north-south by 1.45m east-west and found at a height of 5.88m OD, was potentially a cover for services or a defunct foundation for a now demolished structure.
- 7.8.5 Sealing Test Pit 1 was a 0.30m thick slab of reinforced concrete which lay upon a 0.15m thick bedding layer of fairly firm and friable mid-light pinkish orange brown silty sand and gravel.

7.9 Test Pit 2 (Figure 9)

- 7.9.1 Phase 1: Natural
- 7.9.2 The earliest deposit found in Test Pit 2 at a height of 4.68m OD was naturally deposited loose mid greyish orange brown sand and gravel [54].

7.9.3 Phase 4: Modern

- 7.9.4 Natural sand and gravel [54] was overlain by a 1.08m thick layer of modern made ground that consisted of fairly firm mid grey brown sandy silt with frequent brick and concrete rubble and moderate gravel [53]. This layer was encountered at heights between 5.80-5.88m OD.
- 7.9.5 Made ground [53] was succeeded by a 0.35m thick bedding layer of silty sand and gravel through which two concrete coated service pipes were seen to run north-south across the western and central parts of the test pit. Finally the test pit was capped by the current 0.20m thick reinforced concrete slab.

7.10 Test Pit 3 (Figure 9 & Image 10)

7.10.1 Phase 1: Natural

7.10.2 The earliest deposit encountered in Test Pit 3 at a height of 4.76m OD was naturally deposited loose mid-light grey brown sand and gravel [57].

7.10.3 Phase 2: Subsoil

- 7.10.4 Truncating the north-east corner of Test Pit 3 was a potential sub-oval feature [59], perhaps a tree bole or a large posthole, filled by a dark mottled greyish black and mid orange brown coloured soil [58]. Feature [58] was approximately 0.40m north-south by 0.30m east-west and found at a maximum height of 4.50m OD. However due to the depth of the test pit at this point it was not possible to gain access to possible feature [59] and further clarify its character.
- 7.10.5 Feature [59] was overlain by subsoil [56], a sterile deposit comprising fairly firm mid grey brown slightly clay sandy silt with occasional-moderate sub-angular, sub-rounded and rounded pebbles.
 Subsoil [56] was 0.60m deep and encountered at a height of 5.36m OD.

7.10.6 Phase 4: Modern

- 7.10.7 Subsoil [56] was succeeded by a 0.50m thick layer of fairly firm but friable mid grey brown sandy silt with frequent brick rubble and occasional-moderate gravel [55]. This made ground layer was recorded at a maximum height of 5.86m OD.
- 7.10.8 Sealing Test Pit 3 was a 0.30m thick slab of reinforced concrete which lay upon a 0.20m thick bedding layer of fairly firm and friable mid-light pinkish orange brown silty sand and gravel.

7.11 Borehole 1 (Figure 12 and 13)

- 7.11.1 This borehole was excavated from ground level at 5.62m OD and was successful to the targeted depth of 30m BGL.
- 7.11.2 The upper 0.30m of stratigraphy were the modern made ground and concrete surface of the current brewery hard standing.
- 7.11.3 Below the modern layers was a 1m thick layer of silty clay subsoil to a height of 4.32m OD. No dating evidence was retrieved, but flecks of charcoal and an absence of modern inclusions would suggest that this layer predated the construction of the modern brewery.
- 7.11.4 Natural deposits were recorded directly below the subsoil in the form of Kempton Park gravels overlying London Clay.
 - 0.20m of reinforced concrete.
 - Between 0.20m and 0.30m BGL loose concrete & gravel.
 - Between 0.30m and 1.30m BGL firm mid orange brown silty clay with manganese and inclusions;
 -occasional well rounded gravels
 -occasional charcoal pieces
 - Between 1.30m and 4.00m BGL mid orange gravel and sand, most likely the Kempton Park gravels.
 - Below 4.00m mid grey clay.

7.12 Borehole 2 (Figure 12 and 13 & Image 12)

- 7.12.1 Borehole 2 was excavated from a height of 4.81m OD.
- 7.12.2 The percussion drill was unable to penetrate below the depth of 3.60m BGL. A 2m x 1.2m sondage was therefore excavated in an unsuccessful attempt to remove the obstruction as the reinforced concrete slab had rebar up to 25mm thick and was impenetrable.
- 7.12.3 The borehole was abandoned at a depth of 3.60m BGL.
- 7.12.4 All deposits observed at this location were modern, the earliest layer of concrete most likely relating to the 1970s development of the brewery site.
 - 0.20m of tarmac.
 - Between 0.20m and 0.30m BGL firm mid yellow brown sandy silt.
 - Between 0.30m and 0.60m BGL concrete.
 - Between 0.60m and 1.34m BGL mid grey pinkish brick and concrete rubble with inclusions;
 -occasional metal wire
 -occasional rebar pieces
 -occasional wood fragments
 - Between 1.34m and 1.95m BGL loose concrete rubble with frequent brick inclusions and a piece of wood at interface with concrete slab below.
 - Between 1.95m and 2.15m BGL concrete.
 - Between 2.15m and 3.6m BGL brick rubble and shingle, but as water level was at 2.20m BGL it was not possible to discern the relationship.
 - Excavation halted by a reinforced further concrete slab.

7.13 Window Sample 01 (Figure 12 and 14)

- 7.13.1 WS 01 was excavated from a height of 6.12m OD.
- 7.13.2 Located to the south of the malting building and to the east of Ship Lane, this window sample was located to target the former tanks, and was successful in reaching its target depth of 5m BGL.
- 7.13.3 The upper 0.60m of stratigraphy were of modern origin relating to the construction of the current hard standing on the site.
- 7.13.4 From a height of 5.52m OD was a 1.50m thick layer of made ground most, likely of a 19th to early 20th century origin, similar to that seen within Trench 3. Below this, at a height of 4.02m OD, was a layer of sand with occasional inclusions of brick fragments, perhaps an interface layer with the natural layers below.
- 7.13.5 Natural layers were seen from a height of 3.62m.
 - 0.40m of reinforced concrete.
 - Between 0.40m and 0.60m BGL loose pale grey gravel and concrete.
 - Between 0.60m and 2.10m BGL firm silty sand with inclusions;
 -occasional brick fragments (mid reddish pink and mid reddish orange)
 -occasional gravels
 -occasional stone pieces
 -occasional mortar pieces and flecking
 -a fragment of ceramic pipe
 - Between 2.10m and 2.50m BGL firm mid browny orange sand with inclusions; -frequent gravels
 - -occasional brick fragments
 - Between 2.50m and 3.10m BGL soft pale grey orange gravelly sand.
 - Between 3.10m and 3.70m BGL soft mid grey yellow sand with occasional gravels.
 - Between 3.70m and 4.30m BGL firm dark grey sand with a yellow hue and lenses of mid yellow.
 - Between 4.30m and 5.00m BGL firm mid green grey wet sand.

7.14 Window Sample 02 (Figure 12 and 14)

- 7.14.1 WS 02 was excavated from a height of 6.08m OD.
- 7.14.2 Located to the north of the energy center, this window sample was successful in reaching its target depth of 5m BGL.
- 7.14.3 The upper 1.46m of stratigraphy were of a modern origin relating to the current and late 20th century development of the site.
- 7.14.4 These modern layers sat directly on tip of several layers of natural sand and gravel at a height of 4.62m OD.
 - 0.20m of tarmac.
 - Between 0.20m and 0.52m BGL reinforced concrete.
 - Between 0.52m and 0.70m BGL loose mid grey concrete and gravel.
 - Between 0.70m and 1.42m BGL sort dark orange clayey sand.
 - Between 1.42m and 1.46m BGL concrete

- Between 1.46m and 2.00m BGL bands of soft sand, pale grey over dark grey over light greyish brown.
- Between 2.00m and 3.70m BGL mid orange coarse sand with frequent gravels, with lenses of fine pale yellow sand and rare lenses of mid yellow grey sand.
- Between 3.70m and 4.80m BGL pale yellow grey sandy gravel, the gravel looked to be flint and were very angular.
- Between 4.80m and 5.00m BGL dark grey almost black wet sand.

7.15 Window Sample 03 (Figure 12 and 14)

- 7.15.1 WS 03 was excavated from a height of 5.67m OD.
- 7.15.2 Located against the northwestern wall of the bottling warehouse, this window sample targeted the chemical storage containers, and was successful in reaching its target depth of 5m BGL.
- 7.15.3 The upper 0.23m of stratigraphy were of a modern origin, consisting of the current hard standing.
- 7.15.4 From a height of 5.44m OD a 0.57m thick layer of made ground was recorded with inclusions of building material including a ceramic building material (CBM) fragment dated to between 1180 and 1850.
- 7.15.5 Below this was a further layer of firm made ground/subsoil at a height of 4.87m OD, containing small fragments of chalk, coal and brick.
- 7.15.6 Natural layers of sand and gravel were recorded below the height of 4.77m OD.
 - 0.16m of tarmac.
 - Between 0.16m and 0.23m BGL pale grey concrete.
 - Between 0.23m and 0.80m BGL firm mid grey brown clayey silt with inclusions;
 -rare angular gravels
 -a chalk fragment 60mm across
 -occasional chalk flecking
 -occasional brick fragments (mid orangey red)
 - -frequent mortar flecking -CBM fragment identified as 2271 (1180-1850)
 - Between 0.80m and 0.90m BGL firm pale yellow brown clayey silt with inclusions;
 -occasional chalk flecking
 -occasional pieces of coal (10mm maximum diameter)
 -occasional mid reddy orange brick fragments
 - Between 0.90m and 1.65m BGL mid orange sand with rare angular gravels.
 - Between 1.65m and 2.10m BGL angular gravels in a pale yellow sand.
 - Between 2.10m and 3.90m BGL mid orange and mid grey orange gravely sand.
 - Between 3.90m and 4.30m BGL mid green grey sand with rare small gravels.
 - Between 4.30m and 5.00m BGL dark brown grey coarse sand.

7.16 Window Sample 04 (Figure 12 and 14)

7.16.1 WS 04 was excavated from a height of 5.85m OD.

- 7.16.2 Similarly to WS 03, this window sample was located against the northwest wall of the bottling warehouse. This window sample was targeting the waste oil tanks and was successful in reaching its target depth of 5m BGL.
- 7.16.3 The upper 0.80m of stratigraphy were of a modern origin. A 0.15m thick layer of tarmac overlay a 0.65m thick layer of made ground with inclusions of brick and occasional fragments of concrete.
- 7.16.4 From a height of 5.05m OD a 0.95m thick layer of subsoil was seen, containing occasional coal fragments which increased in frequency at lower levels within the layer.
- 7.16.5 Between the heights of 4.10m and 3.69m OD was what appeared to be an interface layer with the natural deposits below in the form of a charcoal streaked clay.
- 7.16.6 Natural layers were recorded below the height of 3.69m OD in the form of natural sand over oxidized London Clay.
 - 0.15m of tarmac.
 - Between 0.15m and 0.80m BGL sort mid brown grey sandy silt with inclusions;
 -occasional concrete fragments
 -occasional small brick fragments
 -frequent gravels
 - Between 0.80m and 1.75m BGL soft pliable dark brown clayey silty sand with inclusions;
 -occasional gravels
 -rare coal fragments (up to 10mm diameter) becoming more frequent towards the base of this layer
 - Between 1.75m and 2.16m BGL soft sticky mid beige grey clay with rare black streaks, maybe charcoal.
 - Between 2.16m and 4.98m BGL soft and loose mid browny yellow sand.
 - Between 4.98m and 5.00m BGL firm and sticky mid grey brown clay.

7.17 Window Sample 05 (Figure 12 and 14)

- 7.17.1 WS 05 was excavated from a height of 5.76m OD.
- 7.17.2 This window sample was located in the car park to the south of the bottling warehouse. It was successful in reaching its target depth of 5m BGL.
- 7.17.3 The upper 0.70m of stratigraphy were of modern origin, in the form of a leveling deposit underneath 0.10m of tarmac.
- 7.17.4 Between the height of 5.06m and 3.50m OD were several layers which clearly predated the modern phases of brewery on the site.
- 7.17.5 The uppermost of these layers was a 0.55m thick layer of demolition rubble, containing brick fragments that have been dated to between 1850 and 1950. This layer may well be the same as [16] which was seen within Trench 4.
- 7.17.6 The lowest of these layers, recorded at a height of 3.76m OD, also contained frequent inclusions of brick, mortar and stone fragments.

- 7.17.7 At the height of 3.50m OD a 0.44m thick layer of alluvium was recorded capping a layer of natural orange sand at 3.06m OD.
 - 0.10m of tarmac.
 - Between 0.10m and 0.70m BGL soft friable pale grey sandy silt with inclusions;
 -occasional brick flecking
 -occasional small stone fragments
 - Between 0.70m and 1.25m BGL mid pinkish red brick in a soft pale yellow brick in a grey sandy mortar, brick material identified as
 -red brick 3038 (1850-1950)
 -yellow brick 3035 (1770-1940)
 - Between 1.25m and 1.50m BGL mid brown grey sandy silt.
 - Between 1.50m and 2.00m BGL dark yellow brown silty clay.
 - Between 2.00m and 2.26m BGL pinkish brown sandy silt with inclusions; -frequent brick fragments -frequent stone fragments
 - -frequent mortar fragments
 - Between 2.26m and 2.70m BGL soft pale brown grey clay (alluvium?)
 - Between 2.70m and 5.00m BGL soft mid orange sand becoming coarser as it goes deeper.

7.18 Window Sample 06 (Figure 12 and 14)

- 7.18.1 WS 06 was excavated from a height of 5.22m OD.
- 7.18.2 Located within the bottling warehouse, this window sample did not extend below the depth of 0.60m BGL due to a second layer of concrete at this depth.
- 7.18.3 All layers encountered were of modern origin.
 - 20mm thick ceramic tile.
 - Between 20mm and 0.32m BGL reinforced concrete with inclusions of blue plastic.
 - Between 0.32m and 0.60m BGL soft and loose mid greeny brown yellow silt with occasional gravels,
 - Excavation halted at 0.60m BGL due to a second concrete slab.

7.19 Window Sample 07 (Figure 12 and 15)

- 7.19.1 WS 07 was excavated from a height of 5.23m OD.
- 7.19.2 Located within the bottling warehouse, this window sample was also unsuccessful. It was abandoned at 1.20m BGL due to a second concrete slab.
- 7.19.3 All layers encountered were of modern origin.
 - 0.14m of reinforced concrete.
 - Between 0.14m and 0.55m BGL soft dusty concrete with occasional gravels and white plastic sheeting.
 - Between 0.55m and 0.75m BGL loose soft silty sand with inclusions;
 -occasional brick flecking and fragments (mid reddy orange)
 -rare concrete fragments
 - Excavation halted at 0.75m BGL due to a second concrete slab.

7.20 Window Sample 08 (Figure 12 and 15)

- 7.20.1 WS 08 was excavated from a height of 5.15m OD.
- 7.20.2 This window sample was intended to be within the eastern part of the bottling warehouse, although it was relocated to the loading bay area to the east of the bottling warehouse to allow machine access.
- 7.20.3 Excavation was halted at 1.10m BGL as the rig refused, and a 2.20m by 1.20m sondage was excavated to a depth of 2.00m BGL to remove the obstruction.
- 7.20.4 This window sample was then successful to a depth of 2.50m BGL.
- 7.20.5 The upper 1.90m of stratigraphy was of modern origin.
- 7.20.6 Between the height of 3.25m and 2.75m OD was a layer of made ground with occasional inclusions of brick and CBM fragments. Although dating of the deposit was not possible as the fragments could not be retrieved, it would suggest a potential for archaeological survival in this area.
- 7.20.7 Natural Kempton Park Gravels were encountered at a height of 2.75m OD.
 - 0.24m of reinforced concrete.
 - Between 0.24m and 0.80m BGL mid orange brown heavily compacted sandy gravel with inclusions;
 - -occasional brick rubble
 - -occasional concrete frags
 - -occassional CBM
 - -large wood fragment 1m by 0.20m by 0.70m
 - Between 0.80m and 1.10m BGL compact orange sandy gravel.
 - Between 1.10m and 1.40m BGL ceramic pipes encased in concrete.
 - Between 1.40m and 1.90m BGL reinforced concrete.
 - Between 1.90m and 2.40m BGL mid grey brown sandy silt with inclusions;
 -occasional brick fragments
 -occasional CBM fragments
 - Between 2.40m and 2.50m BGL mid orange sandy gravel.

7.21 Window Samples 09 (Figure 12 and 15)

- 7.21.1 WS 09 was excavated from a height of 4.89m OD.
- 7.21.2 Originally located between the workshop bar and canteen and the southern side of the bottling warehouse, WS 09 was relocated to within Trench 5 after refusing at 0.70m BGL after encountering a concrete slab.
- 7.21.3 Once relocated the window sample was successful to the depth of 4.00m BGL, with natural Kempton Park gravels being encountered from a height of 2.39m OD.
 - From ground level to 2.20m BGL was the backfill of Trench 5.
 - Between 2.20m and 2.50m BGL mid yellow sand.
 - Between 2.50m and 3.80m BGL mid orange gravelly sand.
 - Between 3.80m and 4.00m BGL firm sticky mid brown grey clay.

7.22 WS 10 (Figure 12 and 15)

- 7.22.1 WS 10 was excavated from a height of 4.92m OD.
- 7.22.2 Originally intended to be located 16m from the river wall between the bottling plant and the eastern extent of the site, window sample refused at a depth of 0.80m BGL due to a second concrete slab and was relocated to within Trench 6.
- 7.22.3 Once relocated the window sample was successful to its target depth of 5m BGL, finding natural Kempton Park Gravels from a height of 2.12m OD.
 - 2.80m of Trench 6 backfill.
 - Between 2.80m and 3.70m BGL mid brown orange sandy gravel.
 - Between 3.70m and 4.50m BGL dark grey clay.
 - Between 4.50m and 5.00m BGL dark grey very wet gravel.

7.23 WS 11 (Figure 12 and 15 & Image 13)

- 7.23.1 WS 11 was excavated from a height of 4.96m OD.
- 7.23.2 It was located near the southern perimeter wall, between the workshop bar and canteen and the eastern extent of the site.
- 7.23.3 The window sample refused at 1.10m BGL when it encountered a second concrete slab, and so a 2m by 0.90m sondage was excavated with a JCB excavator in order to remove the obstruction.
- 7.23.4 It was decided that as borehole 2 was unable to reach its target depth of 30m BGL, WS11 would be extended to the depth of 30m BGL. Archaeological observation ceased at 2m BGL once it was clearly established that natural deposits had been reached.
- 7.23.5 The upper 1.16m of stratigraphy were of modern origin.
- 7.23.6 At a height of 3.80m OD a 0.24m thick layer of subsoil was recorded. This layer had occasional inclusions of charcoal and would appear to predate the construction of the brewery on the site.
- 7.23.7 Natural clay was seen from a height of 3.56.
 - 0.20m of tarmac.
 - Between 0.20m and 0.50m BGL concrete.
 - Between 0.50m and 1.00m BGL loose mid yellow brown silty sand with inclusions;
 -frequent gravels
 -frequent brick fragments
 -occasional concrete
 - Between 1.00m and 1.16m BGL concrete.
 - Between 1.16m and 1.40m BGL mid orange brown silty clay with rare inclusions of charcoal.
 - From 1.40m BGL mid orange silty clay.

8 RESEARCH OBJECTIVES AND CONCLUSIONS

8.1 Research Objectives

- 8.1.1 The following research objectives were contained within the Written Scheme of Investigation (CgMs 2016) for the evaluation:
- 8.2 Determine the location, form, extent, date, character, condition, significance and quality of any surviving archaeological remains liable to be threatened by any proposed development.
- 8.2.1 The earliest potential archaeological feature found during the evaluation at the Stag Brewery was a sub-oval shaped cut seen in the base of Test Pit 3 [59] sealed by as yet undated subsoil [56]. Cut [59] may represent a large posthole or a treebole.
- 8.2.2 The majority of features seen in the trenches were masonry structures dating from the 19th century into the 20th century which, in the case of Trenches 3, 4 and 6 in the eastern part of the site, would have been associated with earlier forms of the Brewery complex. These masonry structures included manhole remnant [24] in Trench 3, wall foundations [18] and [19] in Trench 4 and basement floor [32] in Trench 6.
- 8.2.3 A similarly dated basement and service run, [38] and [39], were also encountered in Trench 2, situated in the western part of the site. The alignment of the basement and the service run would appear to respect the line of the southwest-northeast orientated part of Aynscombe Lane on Ordnance Survey maps dating from 1896 onwards and may relate to the small collection of undefined buildings that occupy the northern edge of that street (Figure 10) rather than the larger brewery structures that were founded in this part of the site following the Second World War.

8.3 Investigate existing disturbance of the ground caused by modern intrusions.

- 8.3.1 The archaeological evaluation revealed extensive modern disturbance across the site including concrete foundations and a variety of modern services. Additionally deposits of modern made ground and demolition rubble were found in all six trenches and three test pits; these layers were at least 0.50m thick and frequently more than 1.00m thick.
- 8.3.2 Despite large scale modern intrusions a variety of subsoil deposits were found sealing natural deposits in all excavations with the exceptions of Trenches 3 and 6, Test Pits 1 (in which further excavation beyond modern horizons proved impossible) and 2, BH 02, WS 06 and WS 07, where it was not possible to penetrate the modern horizons. While no datable evidence was recovered during the archaeological investigation from any of these deposits, their presence does at least indicate that other features cut into natural deposits, such as seen in Test Pit 1, may survive in both parts of the site.
- 8.4 The exercise will seek to understand the context of the findings in relationship to the wider settlement pattern, landscape, economy and environment.

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- 8.4.1 The archaeological evaluation has encountered evidence of earlier structures, particularly those relating to previous 19th and 20th century Brewery complex buildings, but no coherent indications of earlier settlement, land use or environmental change, such as that represented by peat or alluvium, at the site.
- 8.5 The interpretation of locally distinctive or regionally/nationally significant archaeological features, relating to the medieval palace and parish church to the east, together with the Renaissance mansion to the west.
- 8.5.1 No *in-situ* evidence directly relating to the medieval palace, the parish church and its graveyard or the Renaissance mansion was found during the archaeological investigation. However a large carved stone that was possibly related either to the mansion or the palace was recovered from a modern context in Trench 1, This would indicate that remains may have been extant on site until at least the 20th century.
- 8.5.2 Given that modern intervention at the Stag Brewery have not completely truncated previous archaeological horizons, as shown by the presence of intact subsoil deposits in the majority of the trenches, and the relatively large areas that the palace and its precinct, the church and its graveyard, and the mansion house and its grounds would have encompassed, it is still likely that elements of these significant features are extant at the site.

8.6 How the site's topography has influenced past activity and settlement.

- 8.6.1 Naturally deposited sand and gravel, that had not been truncated by modern groundworks, was seen in the north-western corner of the site at levels between 4.76-5.06m OD, and in the southern area of the eastern part of the site between 2.25-3.62m OD, which indicated a gradual slope from east to west across the site.
- 8.6.2 The major period of activity identified during the archaeological investigation related to the development of the Brewery complex. Large amounts of modern made ground and truncation of previous deposits indicted the site had undergone extensive landscaping during the last century in order to re-shape the topography of the site prior to construction or redevelopment.

8.7 To advance our knowledge of the archaeology of the region through the application of appropriate scientific dating techniques.

8.7.1 The character of the finds and features encountered during the archaeological evaluation did not present an appropriate opportunity to use scientific dating techniques.

8.8 To understand the impact of development since the eighteenth century.

- 8.8.1 The extent of the made ground deposits and the presence of 19th and 20th century foundations, walls, basements and services in the majority of trenches bear testament to the development and re-development of the site from the late post-medieval period until the present day.
- 7.8.2 In the eastern part of the site all of these deposits and features related to the development of the Brewery complex while other, earlier 19th century structures were considered to have been found in

Trench 2 in the western area of the site as well as those deposits relating to the 20th century development of the site.

8.9 Conclusions

- 8.9.1 The archaeological evaluation strongly suggested that, although there was extensive horizontal truncation of potential archaeological horizons due to the establishment, development and redevelopment of the Brewery complex from the 19th century onwards, there may be areas of site in which significant archaeological remains are still extant. This assertion was supported by the presence of substantial, albeit undated, subsoil deposits sealing natural sand and gravel in many of the trenches, one of the test pits, several of the window samples and one of the boreholes. A potential feature cut into the natural, as well the recovery of the large carved stone moulding, may also relate to the palace or the mansion.
- 8.9.2 Despite the level of modern truncation witnessed at the Stag Brewery site during the archaeological evaluation and watching brief, it is recommended that further investigative works take place within this complex.
- 8.9.3 Once the project is deemed complete and the report approved by the London Borough of Richmond-upon-Thames, the completed archive comprising all site records from the fieldwork will eventually be deposited with LAARC under site code LRR16 and a summary report published in the London Archaeologist annual round-up.

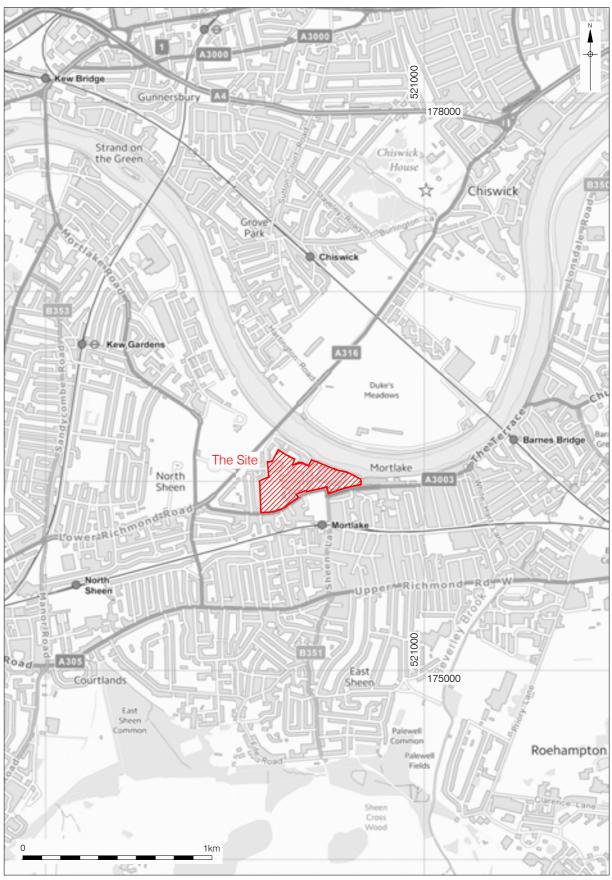
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9 ACKNOWLEDGEMENTS

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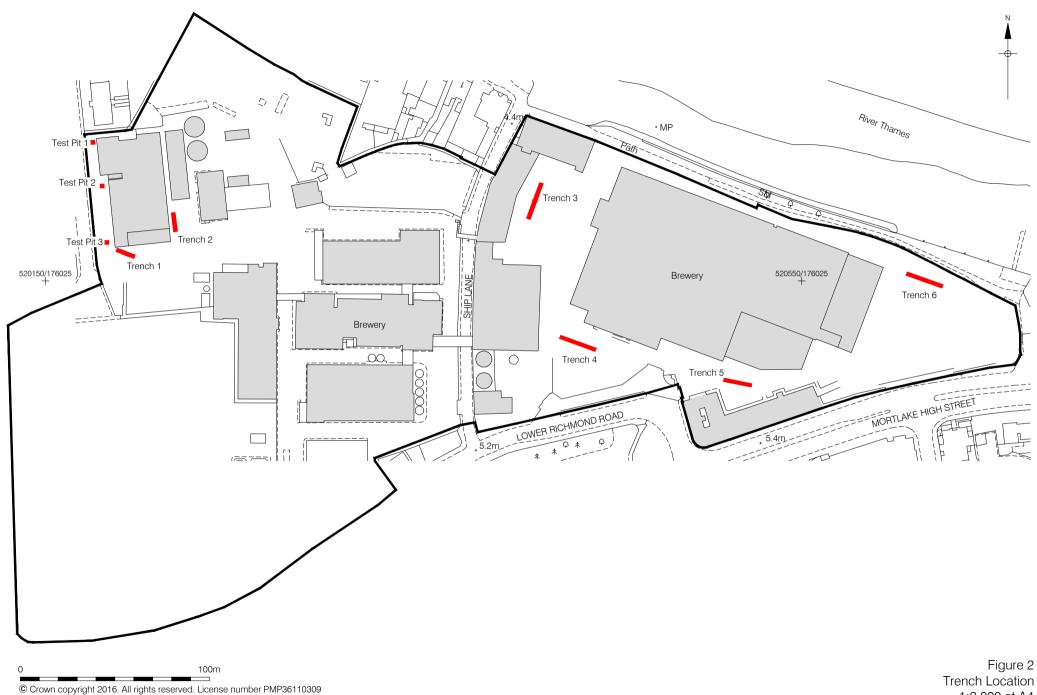
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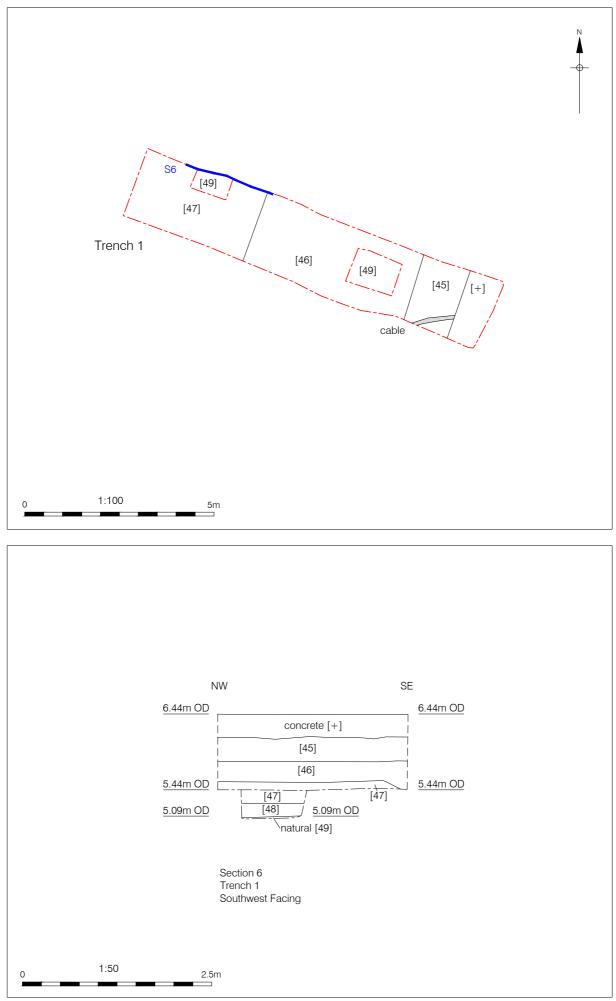


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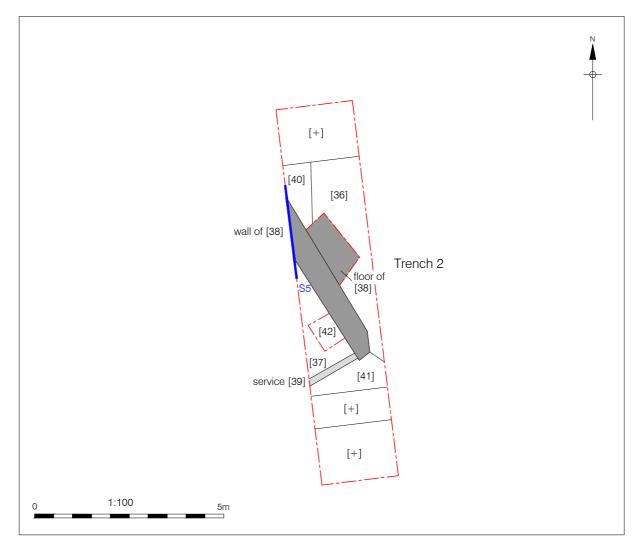
Figure 1 Site Location 1:20,000 at A4

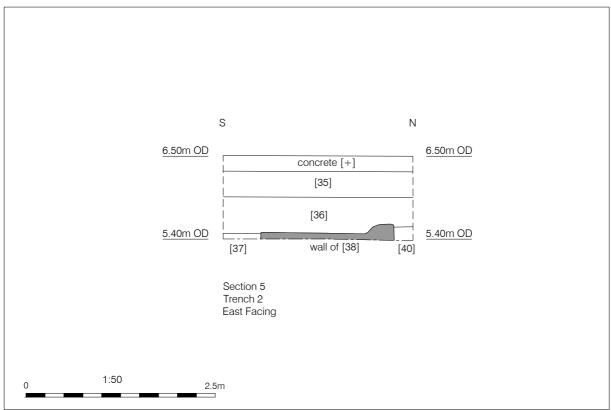


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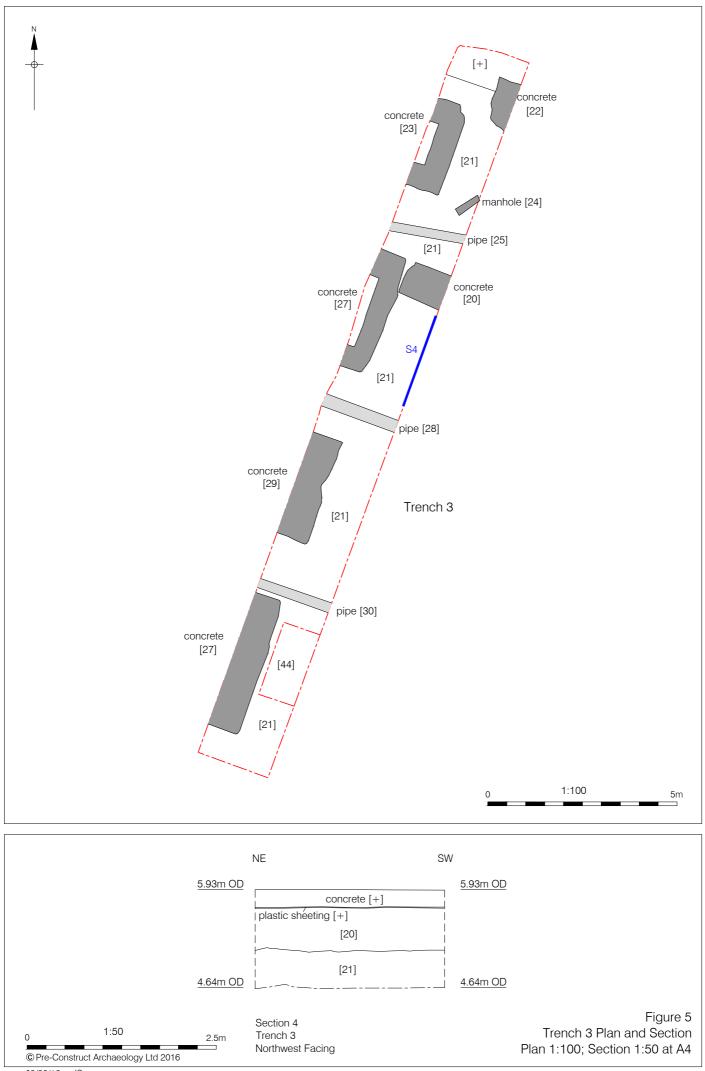


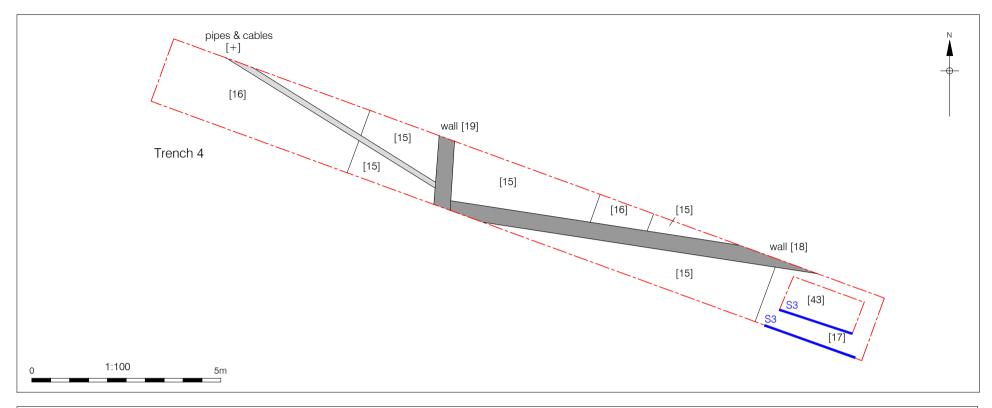
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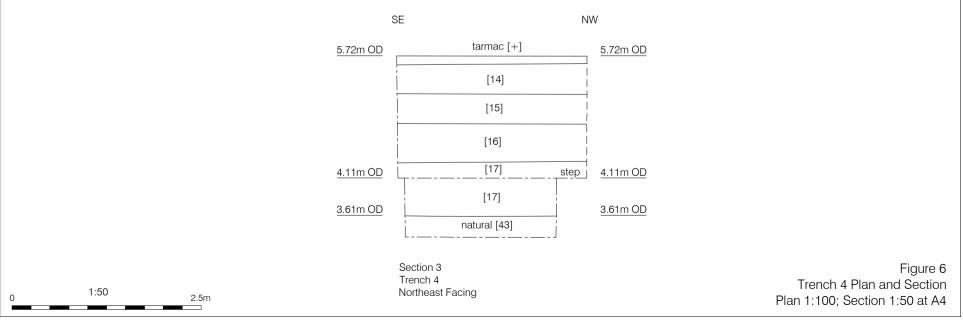




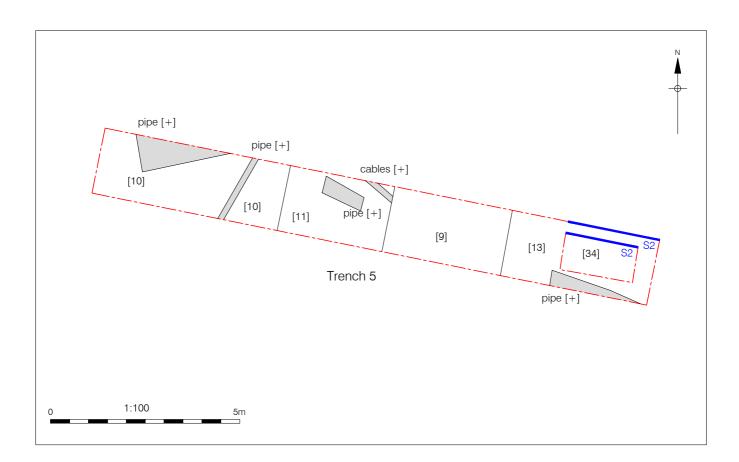
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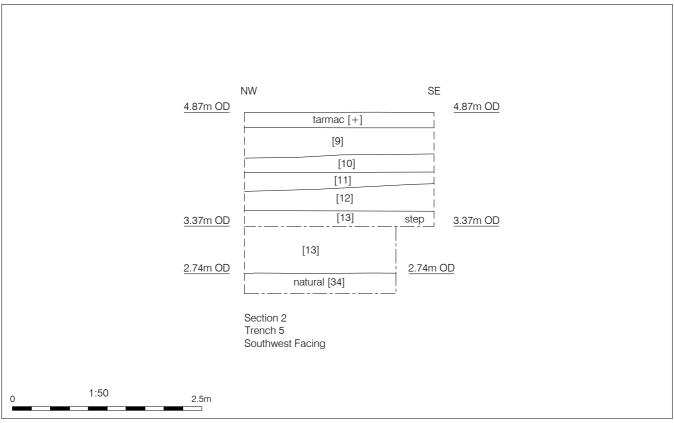






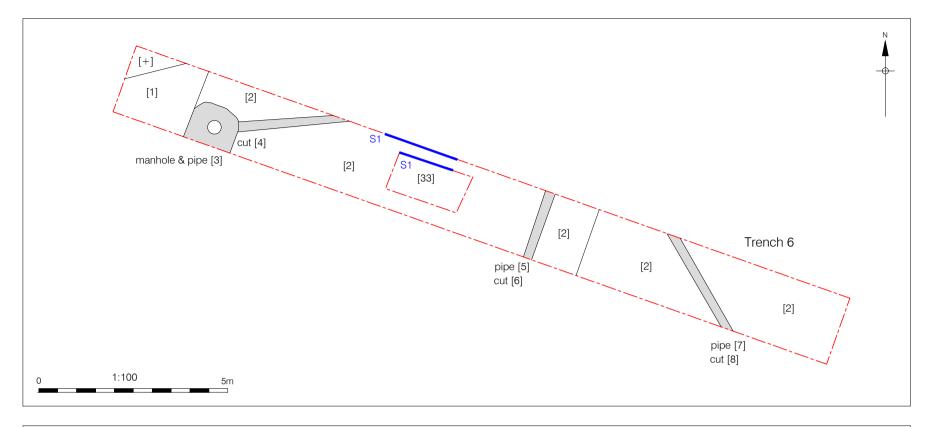
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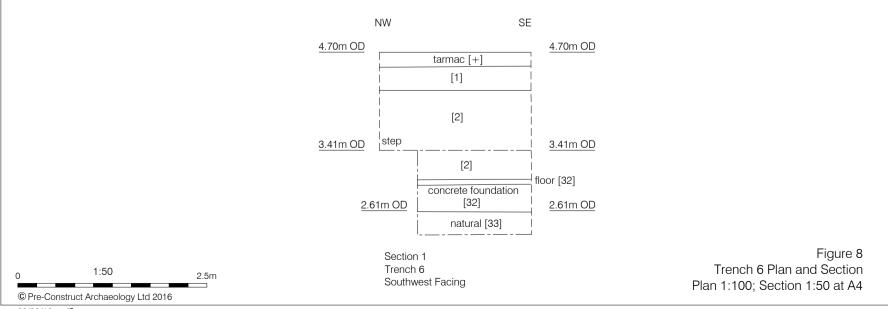




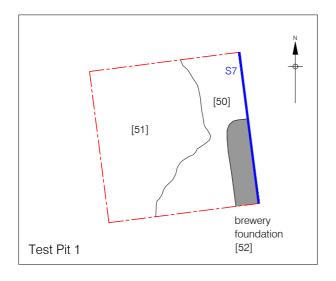
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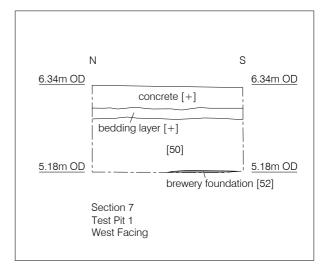
Figure 7 Trench 5 Plan and Section Plan 1:100; Section 1:50 at A4

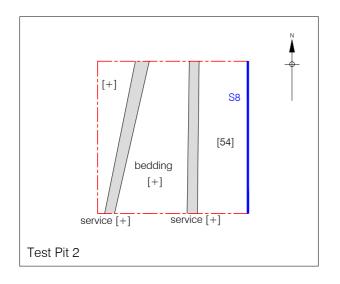


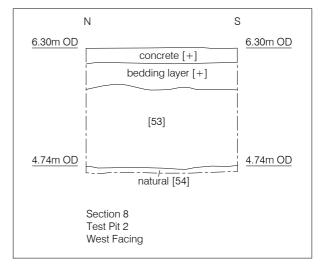


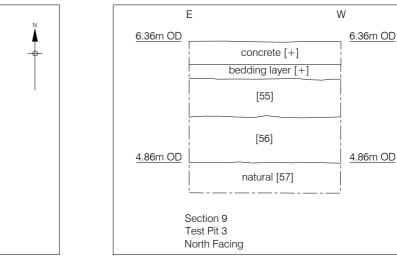
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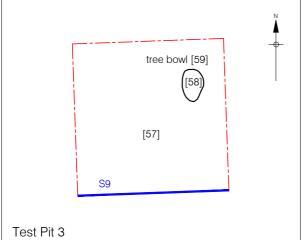
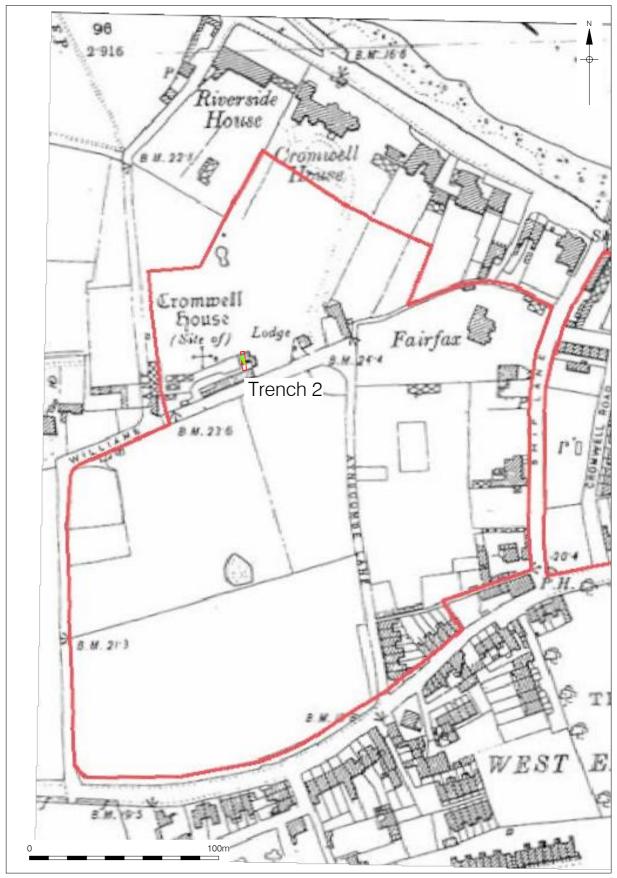


Figure 9 Test Pits 1 -3 Plans and Sections 1:50 at A4



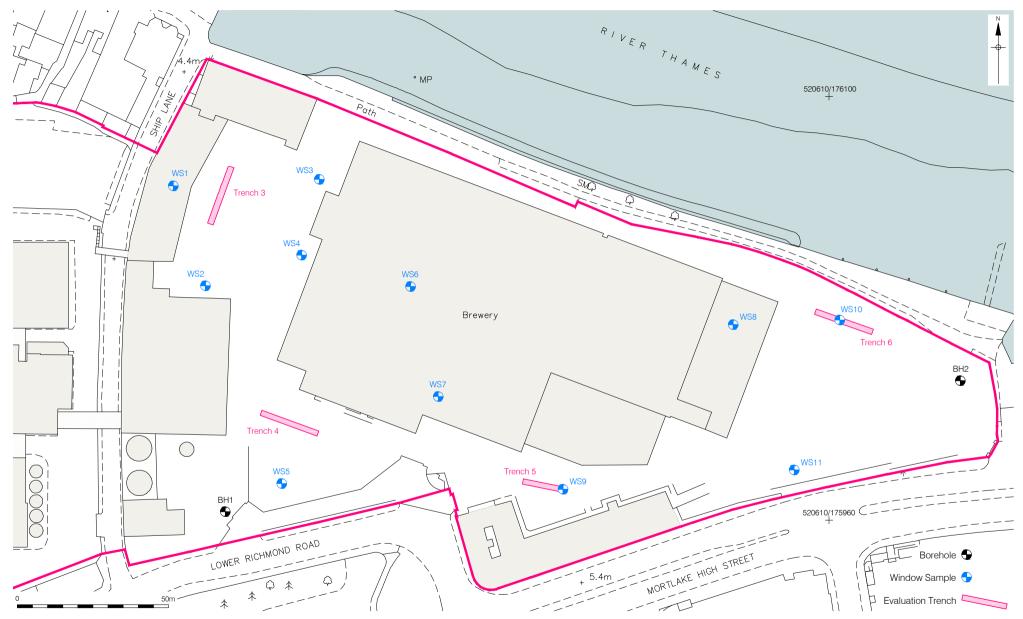
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Figure 10 Archaeological Features from Trench 2 overlain on to the 1896 Ordnance Survey Map 1:2,000 at A4



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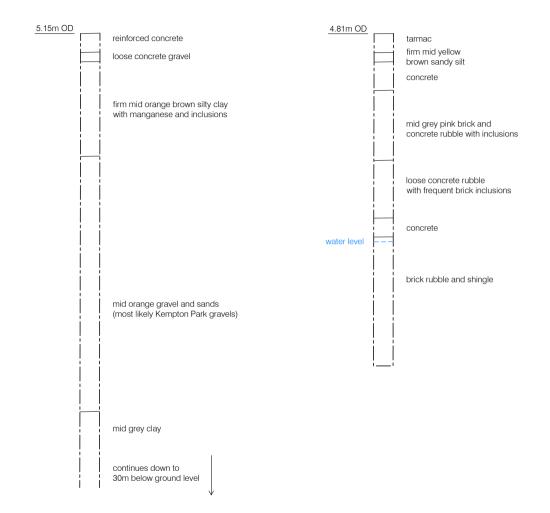
Figure 11 Archaeological Features from Trench 4 overlain on to the 1865 Ordnance Survey Map 1:1,000 at A4



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Figure 12 Location of Watching Brief Interventions 1:1,250 at A4 BH1

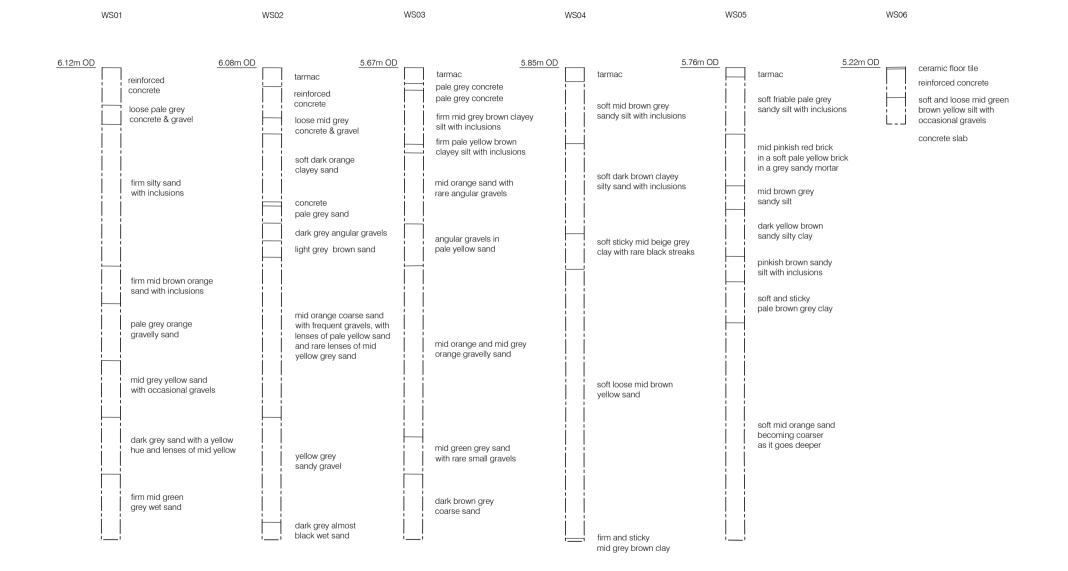
BH2





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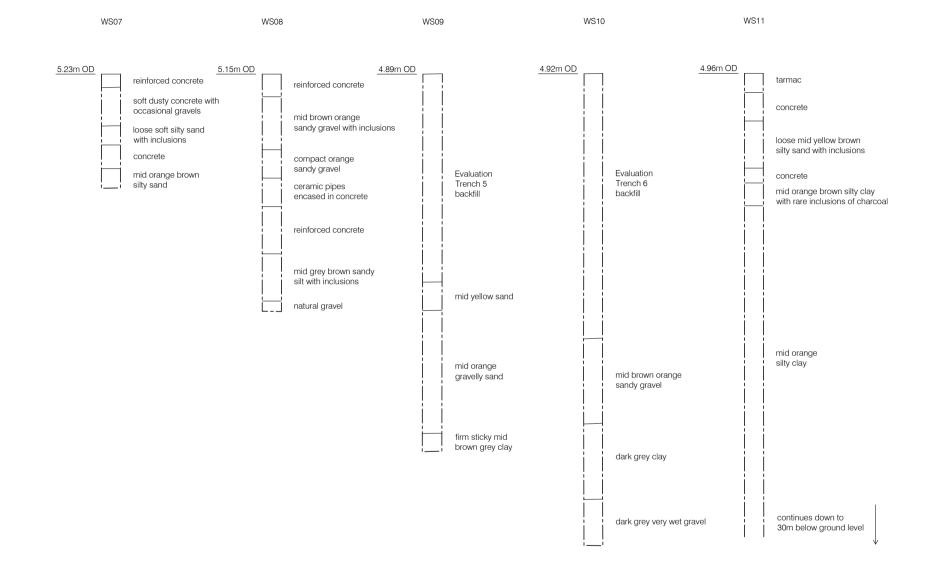
Figure 13 Sections through Boreholes 1-2 1:40 at A4



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2m

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Image 1: West facing view of Trench 1 (1m scale)



Image 2: North facing view of Trench 2 (1m scale)



Image 3: East facing section in Trench 2 (1m scale)



Image 4: North facing view of Trench 3 (1m scale)



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Image 5: West facing view of Trench 4 (1m scale)



Image 6: West facing view of Trench 5 (1m scale)

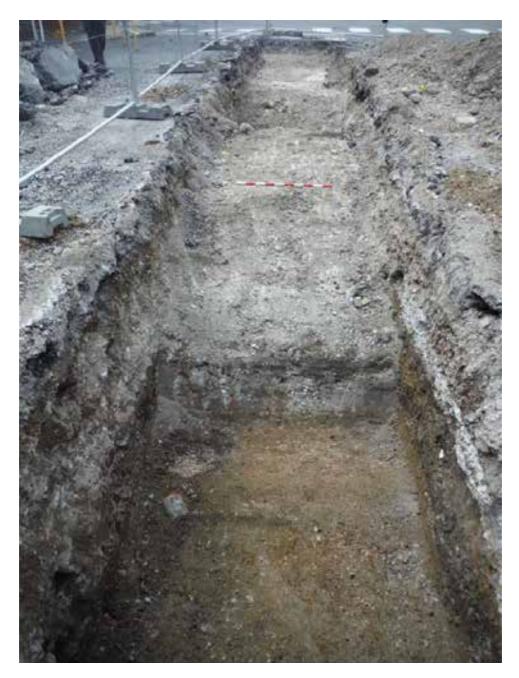


Image 7: South facing section in Trench 5 (1m scale)



Image 8: East facing view of Trench 6





Image 9: North facing view of sondage showing basement floor [33] in Trench 6 (1m scale)

Image 10: South facing view of Test Pit 3



Image 11: Carved Stone recovered from Trench 1 (10cm scale)



Image 12: Southeast facing view of Borehole 2 Sondage



Image 13: North facing view of WS11 Sondage



APPENDIX 1: CONTEXT INDEX

							Prov	
Context	Trench	Plan	Section	Туре	Description	Details	Date	Phase
						Compact-firm		
						light grey		
						brown silty		
						sand with very		
						frequent		
						concrete and		
1	6	Tr. 6	1	Layer	Make-up	brick rubble.	Modern	4
						Loose light		
						brown grey		
		— •			-	concrete and		
2	6	Tr. 6	1	Layer	Dump	brick rubble	Modern	4
						Concrete		
						manhole and		
	0	т. о		— ····		attached		
3	6	Tr. 6	1	Fill	Other	ceramic pipe	Modern	4
						Construction		
4	<u>^</u>	T. C	4	0	Construction	cut for pipe		4
4	6	Tr. 6	1	Cut	Cut	and manhole.	Modern	4
_	6	т. с	4	Fill	Othor	Ceramic pipe	Madawa	4
5	0	Tr. 6	1	FIII	Other	in cut [6]	Modern	4
_	_			-	Construction	Costruction		
6	6	Tr. 6	1	Cut	Cut	cut for pipe [5]	Modern	4
_	_					Ceramic pipe		
7	6	Tr. 6	1	Fill	Other	in cut [8]	Modern	4
						Construction		
				A 1		cut containing		
8	6	Tr. 6	1	Cut	Other	pipe [7]	Modern	4
						Compact-firm		
						light grey		
						brown silty		
						sand and		
	_		<u> </u>			concrete and		
9	5	Tr. 5	2	Layer	Make-up	brick rubble.	Modern	4

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						Compact light grey concrete		
10	5	Tr. 5	2	Layer	Dump	rubble	Modern	4
				, , , , , , , , , , , , , , , , , , ,	•	Loose-soft mid		
						yellow brown		
11	5	Tr. 5	2	Layer	Levelling	sand and silty sand	Modern	4
	5	11. 5	Z	Layer	Levening	Friable dark	Modern	4
						yellow brown		
						silty sand and		
12	5	Tr. 5	2	Layer	Make-up	building rubble	Modern	4
						Firm-moderate		
						mid yellow		
						green grey		
						silty sand with occasional		
						charcoal, CBM		
13	5	Tr. 5	2	Layer	Subsoil	and mortar	Uncertain	2
						Compact-firm		
						light grey		
						brown silty		
						sand and brick		
14	4	Tr. 4	3	Layer	Make-up	and concrete rubble.	Modern	4
14	4	11.4	5	Layei	Make-up	Loose mid	Wodem	4
						grey concret,		
						brick and		
15	4	Tr. 4	3	Layer	Dump	mortar rubble.	Modern	4
						Firm mid grey-		
						dark brown		
						silty sand with	1046	
						occasional charocal,	19th- early	
						mortar and	20th	
16	4	Tr. 4	3	Layer	Levelling	CBM flecks.	century	3
				-	¥	Firm mid		
						yellow green		
						grey silty sand		
						with		
17	4	Tr. 4	3	Layer	Subsoil	occasional	Uncertain	2

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						charcoal, CBM and mortar flecks.		
						Yellow and red		
						frogged brick wall on	19th- early	
18	4	Tr. 4	-	Masonry	Wall	concrete foundation	20th century	3
10	–	11. 4		ivia sofii y	vvan	Yellow and red	19th-	
						brick wall on	early	
						top of concrete	20th	
19	4	Tr. 4	-	Masonry	Wall	foundation	century	3
						Fairly loose- friable mid		
						brownish		
						orange sand		
						and gravel		
						with		
						occasional		
						coal, charcoal		
						and brick		
00	0			1		flecks and		
20	3	-	4	Layer	Levelling	fragments.	Modern	4
						Fairly firm dark blackish grey		
						brown slightly		
						clay sandy silt		
						with frequent		
						brick flecks		
						and fragments		
	c.					and moderate		
21	3	Tr. 3	4	Layer	Backfill	gravel.	Modern	4
22	3	Tr. 3	_	Masonry	Foundation	Concrete foundation	Modern	4
	5	11. 5	-	wasoniy	i oundation	Concrete	WOUGHT	
23	3	Tr. 3	-	Masonry	Foundation	foundation.	Modern	4

							19th-	
							early	
						Remnants of	20th	
24	3	Tr. 3	-	Masonry	Manhole	manhole	century	3
						Concrete		
25	3	Tr. 3	-	Masonry	Pipe	coated pipe	Modern	4
						Concrete		
26	3	Tr. 3	-	Masonry	Foundation	foundation	Modern	4
						Concrete		
27	3	Tr. 3	-	Masonry	Foundation	foundation.	Modern	4
						Concrete		
28	3	Tr. 3	-	Masonry	Pipe	coated pipe	Modern	4
						Concrete		
29	3	Tr. 3	-	Masonry	Foundation	foundation	Modern	4
						Concrete		
30	3	Tr. 3	-	Masonry	Pipe	covered pipe	Modern	4
		_				Concrete		
31	3	Tr. 3	-	Masonry	Foundation	foundation	Modern	4
						Frogged brick	19th-	
						basement floor	early	
						on concrete	20th	
32	6	-	1	Masonry	Floor	foundation	century	3
						Fairly loose		
						mid-light		
						orange brown		
22	<u> </u>	T. C	4		Natural	sand and	N1/A	4
33	6	Tr. 6	1	Layer	Natural	gravel	N/A	1
						Fairly loose		
						mid-light		
						orange brown sand and		
34	5	Tr. 5	2	Laver	Natural		N/A	1
- 34	5	11. 3	2	Layer	inalulai	gravel. Friable mid	IN/A	I
						pinkish grey		
						brick and		
						concrete		
35	2	Tr. 2	5	Layer	Make-up	rubble.	Modern	4

						Loose, friable		
						mid grey		
						brown silty		
						sand and		
						concrete and		
36	2	Tr. 2	5	Layer	Dump	brick rubble.	Modern	4
						Firm light		
						yellow brown		
37	2	Tr. 2	5	Layer	Subsoil	sandy silt	Uncertain	2
							19th-	
							early	
						Brick built	20th	
38	2	Tr. 2	5	Masonry	Basement	basement.	century	3
							19th-	
						Red brick -	early	
						possible	20th	
39	2	Tr. 2	-	Masonry	Other	service run.	century	3
						Friable dark		
						grey brown		
						sandy silt with		
						occasional		
						brick and		
40	2	Tr. 2	5	Layer	Backfill	charcoal flecks	Modern	4
						Friable dark		
						grey brown		
						sandy silt with		
						occasional		
						brick and		
41	2	Tr. 2	-	Layer	Backfill	charcoal flecks	Modern	4
						Fairly loose		
						light yellow		
						orange brown		
42	2	Tr. 2	-	Layer	Natural	sandy gravel	N/A	1
						Fairly loose		
						mid-light		
						orange brown		
						sand and		
43	4	Tr. 4	3	Layer	Natural	gravel.	N/A	1

						Fairly loose		
						mid-light		
						orange brown		
						sand and		
44	3	Tr. 3	-	Layer	Natural	gravel.	N/A	1
						Fairly firm and		
						friable mid-		
						light pinkish		
						orange brown		
						gravelly silty		
45	1	Tr. 1	6	Layer	Levelling	sand	Modern	4
						Fairly loose		
						mid greyish		
						brown sandy		
						silt with		
						frequent brick		
						and concrete		
46	1	Tr. 1	6	Layer	Make-up	rubble	Modern	4
						Fairly firm mid		
						grey brown		
						slightly clay		
						silty sand with		
						moderate-		
						occasional		
47	1	Tr. 1	6	Layer	Subsoil	gravel	Uncertain	2
						Fairly loose		
						light slightly		
						yellow grey		
						brown slightly		
						silty sand and		
						occasional		
48	1	-	6	Layer	Subsoil	pebbles.	Uncertain	2
						Loose mid		
						slightly grey		
						orange brown		
49	1	Tr. 1	6	Layer	Natural	sandy gravel	N/A	1

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50	TP 1	TP 1	7	Layer	Make-up	Fairly firm but friable mid- dark grey brown sandy silt with moderate concrete and brick flecks and fragments	Modern	4
51	TP 1	TP 1	-	Masonry	Other	Concrete intrusion. Possible cover for services or foundation.	Modern	4
52	TP 1	TP 1	7	Masonry	Foundation	Concrete foundation (probably for current brewery building)	Modern	4
53	TP 2	_	8	Layer	Make-up	Fairly firm and friable mid grey brown sandy silt with frequent brick and concrete rubble and moderate gravel.	Modern	4
54	TP 2	TP 2	8	Layer	Natural	Loose mid grey orange brown sand and gravel	N/A	1
55	TP 3	-	9	Layer	Make-up	Fairly firm and friable mid grey brown sandy silt with frequent brick rubble and occasional-	Modern	4

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						moderate gravel.		
						Fairly firm mid grey brown slightly clay sandy silt with occasional-		
56	TP 3	-	9	Layer	Subsoil	moderate pebbles.	Uncertain	2
						Loose mid grey-light grey brown sand		
57	TP 3	TP 3	9	Layer	Natural	and gravel Dark mottled	N/A	1
						black and orange brown - possible fill of		
58	TP 3	TP 3	_	Fill	Fill	potential feature [59]	Uncertain	2
50		11-3	-	ЕШ	F 111	Potential sub- oval feature.	Uncertain	
59	TP 3	TP 3	-	Cut	Other	Treebole?	Uncertain	2

APPENDIX 2: SITE MATRIX

	Trench 1	Trench 2						Trench 3						Trench 4	Trench 5		Trench 6		TP 1	TP 2	₩3
											[+]										
	45	35						20						14	9		1		51	53	55
	46	36						21						15	10				50		
																3	5	1			
															11				52		
										1 1						4	6	8			
		40 41	22	23		25	26	27	28	29 30	31				12						
Phase 4: Modern		40 41	<u>u</u>	23		20	20	4	20	29 3	51						2				
					24								18	19							
		38															32				
			39																		
hase 3: Late 19th-early 20th cent	tury structures																				
														16							
	47	37													13						56
														17							
	48																				58
hase 2: Subsoil																					59
Phase 1: Natural	49	42										44		43	34		33			54	57
naje I. Ivdividi	49	42										44		-10	34		33			34	3/
														-							
											N.F.E.										

APPENDIX 3: POTTERY ASSESSMENT

Chris Jarrett

The pottery assemblage consists of six sherds, representing the same number of vessels and weighing 177g and this was solely derived from context [16]. The material consists of types that most commonly occur together in the 19th century. Recorded are a gold gild-decorated cylindrical mug made in bone china, (BONE), dated *c*.1794–1900, a cheap 19th-century Continental porcelain bowl, possibly octagonal in section and two plate bases with the transfer-printed willow pattern, the latter dated from *c*.1789. These plates are made in pearlware (PEAR TR) and refined whiteware (TPW). The latest dated item is a rounded serving dish made in refined whiteware (TPW) which has the Asiatic pheasant design, which was introduced c. 1830. Therefore the group of pottery from context [16] is dated *c*. 1830–1900, although the bone china cylindrical mug may be of a late 19th century date.

As the pottery occurs in such a small quantity and it is found in typical 19th-century pottery types excavated from the London area, then it has little significance. The only potential of the pottery is to date the context it was recovered from. There are no recommendations for further work on this material.

APPENDIX 4: CBM ASSESSMENT

Amparo Valcarcel

Context	Fabric	Form	Size	Date rar mate	•	Latest dated material		Spot date	Spot date with mortar
18	3032;3038	Post great fire and London; stocks frogged bricks	2	1666	1950	1850	1950	1850-1950	1830-1950
19	3032	Post great fire frogged bricks	2	1666	1900	1666	1900	1800-1900	No mortar
24	3220	Modern machine brick	1	1850	1950	1850	1950	1850-1950	No mortar
32	3038	Stocks frogged brick	1	1850	1950	1850	1950	1860-1950	1830-1950
38	3032	Reused post great fire bricks	2	1666	1900	1666	1900	1666-1900	1830-1950
39	3032	Post great fire frogged brick	1	1666	1900	1666	1900	1780-1900	No mortar

A small size (9 bricks, 17.33 kg) of purple post great fire (*3032*) and modern machine bricks (*3038/3220*) are recovered from the site. The largest proportion of bricks consists are narrow and frogged. Some have sharp arises suggesting possible machine manufacture. These bricks are using Portland mortar.

Context	Feature	Fabric	Form	Mortar
18	Brick wall on concrete foundation	3032;3038	Deep frogged	Τ1
19	Wall on top of concrete foundation	3032	Deep frogged	No mortar
24	Remnants of manhole	3220	Deep frogged	No mortar
32	Basement floor on concrete foundation	3038	Deep frogged	Τ1
38	Brick built basement.	3032	Wide, abraded	T1
39	Possible service run	3032	Frogged, abraded	No mortar

Table 01: Summary of fabric bricks associated to structures.

The value of this small assemblage shows an industrial activity between the early 19th century and early 20th century and none of the material is of intrinsic interest. No further work recommended.

APPENDIX 5: CARVED STONE ASSESSMENT

Kevin Hayward

A very large piece of moulded stone recovered from modern made ground [46] in Trench 1 at the Stag Brewery in Mortlake was examined to determine its petrological character, source as well as its artistic merit. The moulding consists of what is essentially a large fleur-de-lys design carving set within a gabled or peaked niche. Sprouting out from its sides are Scottish thistles. It looks to be a stone carving of a coat –of-arms. Traces of plaster in and around its base and lower sections suggest that it was painted.

The rock is carved from a finely oolitic Bath limestone stone (Middle Jurassic) typical of the Corsham-Box-Bradford on Avon area. This rock began to be used for carving in the late medieval – Renaissance period secular housing e.g. Somerset House in a window jamb. Related stones are found in the south wall were recorded from Wolsey's 1528-29 Great Hall at Whitehall (Thurley 1999). The Corsham and Monks Park stone quarries which form the easternmost outcrop of the Jurassic freestone belt in West Wiltshire also lie very close (just 3km south) to the contemporary 1540-1553 construction and conversion of the Early Tudor Country House at Lacock Abbey. The exposures are also the closest freestone outcrop to the abandoned Lord Protectors 1549 country residence at Bedwyn Broil and within reach of 1567 construction of Longleat House. This group of western Tudor country houses were also residences belonging to the highly influential "Somerset Circle" of courtiers a group of English patrons who embraced the renaissance style of architecture during the mid-16th century (Hayward in prep.).

This type of crisp fleur-de-lys moulding is typical stone and terracotta embellishment in very large Tudor secular housing throughout London for example at Brandon House (Terracotta) Fulham Palace (Reigate stone). Petrological and stylistic evidence points to a late medieval – mid 16th century date. Although it does not relate to the coat of arms of Thomas Cromwell, the owner of the nearby Renaissance mansion, it seems likely that this moulding adorned the frontage of this building or perhaps the Bishops Palace.

Bibliography

Hayward, K.M.J. (In prep.) 'The petrology of the stone' In Hawkins, N. (in prep.) *Excavations at Somerset House*.

Thurley, S. (1999). *Whitehall Palace: An Architectural History of the Royal Apartments, 1240-1690.* Yale University Press.

APPENDIX 6: GLASS ASSESSMENT

Chris Jarrett

The glass assemblage consists of two fragments, representing the same number of vessels and weighing 103g and this was solely found in context [16]. The glass ware consists of the rim of a probable tumbler made in clear soda glass and the base of a moulded cylindrical bottle made in bluish-green high-lime low alkali glass. The underside of the base has three raised dots in a linear pattern. Moulded glass bottles became more frequent after c. 1810 although the example here is most likely to date to the late 19th-early 20th century and so dates the context.

The glass has no significance as it occurs in such a small quantity and present as commonplace 19thcentury forms. The only potential of the material is to date the context it was recovered from. There are no recommendations for further work on this glass.

APPENDIX 7: OASIS DATA ENTRY FORM

OASIS ID: preconst1-259002

Project details	
Project name	The Stag Brewery, Mortlake
Short description of the project	An archaeological evaluation and geotechnical watching brief consisting of 6 trenches, 3 test pits, 11 window samples and two bore holes. Defunct Thames Street and a parish church and its graveyard. The archaeological evaluation and watching brief indicated that the establishment, development and re-development of the Brewery complex during the 19th and 20th centuries led to substantial horizontal truncation of potential archaeological horizons. However traces of 19th century buildings that pre-dated the Brewery were encountered in the eastern part of the site, a large carved stone moulding that was considered to relate either to the mansion or the palace that originally stood on the site was recovered from a modern context, a potential feature was identified cutting natural deposits and substantial subsoil deposits sealing the natural sand and gravel were found in the majority of trenches.
Project dates	Start: 08-07-2016 End: 12-10-2016
Previous/future work	Yes / Not known
Any associated project reference codes	LRR16 - Sitecode
Type of project	Field evaluation
Site status	Local Authority Designated Archaeological Area
Current Land use	Industry and Commerce 1 - Industrial
Current Land use	Industry and Commerce 4 - Storage and warehousing
Current Land use	Industry and Commerce 2 - Offices
Monument type	POSSIBLE TREEBOWL Uncertain
Monument type	SUBSOIL Uncertain
Monument type	WALLS Post Medieval
Monument type	WALLS Modern
Monument type	FOUNDATIONS Modern
Monument type	SERVICES Post Medieval
Monument type	SERVICES Modern
Monument type	MADE GROUND Modern
Monument type	BASEMENT Post Medieval
Monument type	BASEMENT Modern
Significant Finds	CARVED STONE MOULDING Medieval
Significant Finds	POTTERY Post Medieval
Significant Finds	GLASS Post Medieval
Significant Finds	CBM Post Medieval
Significant Finds	CBM Modern
Methods & techniques	"Targeted Trenches"
Development type	Urban residential (e.g. flats, houses, etc.)

Development type Prompt Position in the planning process	Urban commercial (e.g. offices, shops, banks, etc.) Voluntary/self-interest Pre-application
Project location	
Country	England
Site location	GREATER LONDON RICHMOND UPON THAMES RICHMOND UPON THAMES The Stag Brewery, Lower Richmond Road, Mortlake
Postcode	SW14 7ET
Study area	3.2 Hectares
Site coordinates	TQ 20383 76035 51.469961019011 -0.266605970293 51 28 11 N 000 15 59 W Point
Height OD / Depth	Min: 2.25m Max: 5.06m
Project creators	
Name of Organisation	Pre-Construct Archaeology Ltd
Project brief originator	CgMs Consulting
Project design originator	Richard Meager
Project director/manager	Tim Bradley
Project supervisor	James Langthorne and Stacey Amanda Harris
Project archives	
Physical Archive recipient	LAARC
Physical Archive ID	LRR16
Physical Contents	"Ceramics","Glass","Worked stone/lithics"
Digital Archive recipient	LAARC
Digital Archive ID	LRR16
Digital Contents	"other"
Digital Media available	"Images raster / digital photography","Survey"
Paper Archive recipient	LAARC
Paper Archive ID	LRR16
Paper Contents	"other"
Paper Media available	"Context sheet","Diary","Plan","Section","Survey ","Unpublished Text"
Project bibliography 1	
Publication type	A forthcoming report

Title	An Archaeological Evaluation at The Stag Brewery, Lower Richmond Road, Mortlake, London Borough of Richmond-upon-Thames, SW14 7ET.
Author(s)/Editor(s)	Langthorne, J. and Harris, S.A.
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UK and Ireland Office Locations

