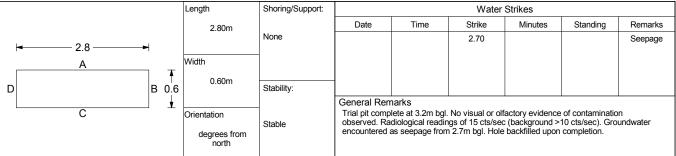
 ₩SP		· 	TRIAL PIT LOG		Hole No. TP162				
WSP 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		Sheet 1 of 1				
Job No 70004430		Client	Harrow Estates Plc		Date	31-07- 31-07-			
Contractor / Driller H & C Plant Hire Ltd	Met	thod/Plant Used JCB 3CX	Logged By J. Watson	Co-Ordinates (NGR) E 389450.580 N 382393.570	Gro	und Leve 87.	I (m AO 430	D)	
SAMPLES & TESTS			STRA	ATA				Install / Backfill	
Depth Type G M N N N N N N N N N N N N N N N N N N	/ater	Depth Elev.	Descr	iption		Legend	Geology		

SAMF	LES	& TE	STS	3						STI	RATA		·			Instal
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	,
0.10-0.20	ES	3					- -	GRAVEI	GROUND: Dark bro L of ash and clinker 75 Radiation readir	r and fine and	medium round	e and medium ded of various	angular lithologies.		,	303034
0.40-0.50	ES D	0					_(0.75)								MG	X228
0.80-1.00	ES					86.68	- 0.75	Greenish coarse re	n brown clayey sligh ounded of various I	ntly gravelly fir ithologies. (Gl	ne and mediun ACIAL DEPC	n SAND. Grav OSITS)	vel is fine to			SECTION SECTIO
1.20	D						(1.35)								GDU	SCENE SCENE SCENE
_ 2.00	D		66			85.33	2.10	Firm loca	ally stiff dark reddis medium rounded o	h brown slight	lly sandy slight logies. (GLAC	tly gravelly CL IAL DEPOSIT	AY. Gravel is S)			
2.80	D		60 50		<u>‡</u>		(1.10)							0	GDU	
2.90-3.00	ES	0				84.23	3.20	Trial nit	complete 3.2m bgl							
							-		,							
							Length		Shoring/Support:			Water	Strikes			
 		– 2.8 A	3 —		-		_	.80m	None	Date	Time	Strike 2.70	Minutes	Standing		marks
D		С				B 0.6 <u>↓</u>	Orientati degr	on ees from	Stability:	observed. Ra	olete at 3.2m bgl adiological readi	ngs of 15 cts/se	factory evidence c (background > ' e backfilled upon	10 cts/sec). G	tion roundwar	ter
Sca	ale 1:2	:5		Note	es: Al	I dimens	sions in I		ogs should be read	in accordance	with the prov	ided Key. Des	criptions are b	ased on visi	ual and	



į	 		P					TRIAL F	PIT LO	G		Hole N	TP10	63	
	50-182 M50 ohone: 0	3SP	•	00	Projec	t		Woodford	Aerodrom	ne		Sheet	1 of	1	
Job No	7000		30		Client			Harrow E	states Plc			Date	30-07- 30-07-	14	
Contracto			e Ltd	М	ethod/Pl	ant Use		Logged By	atson	E	nates (NGR) = 389543.970 N 382376.570	Gr	ound Level		DD)
SAMF	PLES	& TE	STS	;					STF	RATA					Install Backfil
Depth	Туре	PID pmV)	HSV N/m2)	.Pen N/m2)	Elev.	Depth (Thick			Des	cription			Legend	Geology	
0.10-0.20	ES	0	_ x	(K R)		-ness) - - - (0.70)	MADE GF cobbles o	ROUND: Light bro f concrete. Gravel	wn slightly cla is fine and m	yey slightly gi edium rounde	ravelly fine SAN) and of various lith	O with rare blogies.		GMG	
0.80-1.20 -0.80-0.90 0.80-0.90 1.00	B D ES D	0	20		88.1	- - -(0.80)	peat. (SU	greyish brown sar PERFICIAL DEPC	ndy organic CL OSITS)	AY with disse	eminated reddis	h brown fibro	Jus	SUPD	
2.00	D		40 100 82 100 100		87.3	-(1.20)	Stiff high s	strength reddish b fine and medium i	rown mottled rounded of var	grey slightly s rious lithologio	andy slightly gra es. (GLACIAL D	ivelly CLAY. EPOSITS)		GDU	
- - - - - - - -					86.1	7 2.70	Trial pit co	omplete at 2.7m b	gl				<u>o</u>		
	1	1		<u> </u>		Length		Shoring/Support:			Water S		1		
D		– 2.8 <u>A</u>	3		→ B 0.6	Width	.60m -	None Stability:	Date General Ren Trial pit comp	olete at 2.7m bg	Strike	Minutes ctory evidence	Standing e of contamina	tion	marks

Scale 1:25

WSP		-	TRIAL PIT LO		Hole	TP164	
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		Sheet 1 of 1		
Job No 70004430		Client	Harrow Estates Plc		Dat	te 05-08-14 05-08-14	
Contractor / Driller	Me	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)	
H & C Plant Hire Ltd		JCB 3CX	J Kinchington	E 389630.950 N 382330.710		88.160	
SAMDLES & TESTS			QTD/	ΛΤΛ		Install /	

SAME	PLES	& TE	STS	5						STF	RATA					Insta Back
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick			Des	scription			Legend	Geology	,
0.10	ES	0					-ness) - -(0.40)	MADE G to coarse	GROUND: Light bro e angular to rounde	wn slightly gra d of various li	avelly fine SAN thologies (TOI	ND with rootlet PSOIL).	ts. Gravel is fine	<u> </u>	TS	STATES OF THE PROPERTY OF THE
	ES	0				87.76 85.36	-(2.40)	various I	brown slightly grave ithologies. (GLACI	AL DEPOSIT)	nedium SAND.	Gravel is rou	nded medium o		GDU	
-							- - - - - - - - - - 3	.00m	Shoring/Support:	bgl.	Time	Water Strike	- Strikes Minutes	Standing	Rei	mark
D		— 3 A			>	B 1 ★	Width 1 Orientati	.00m on	Stability:	observed, No	olete at 2.80m be radiological rea	gl. No visual or adings above be upon completio	olfactory evidence	of contamir d. Groundw	ation ater not	

WSP		•	TRIAL PIT LO	3	TP165			
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		Sheet 1 of 1			
Job No 70004430		Client	Harrow Estates Plc		Dat	te 05-08-14 05-08-14		
Contractor / Driller	Me	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)		
H & C Plant Hire Ltd		JCB 3CX	J Kinchington	E 389754.600 N 382384.020		87.340		
SAMPLES & TESTS			STRA	ATA		Install /		

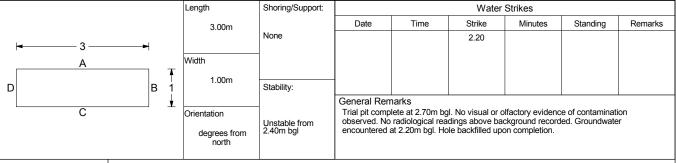
LES	& TE	STS							STF	RATA					Insta Back
Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	(Thick			Des	cription			Legend	Geology	
ES	0					-(0.40)	Grass ov fine to co	ver light brown sligh parse subangular to	ntly gravelly fin o rounded of v	e and mediun arious iltholog	n SAND with r ies (TOPSOIL	rootlets. Gravel is .).	71/2/11	TS	STATES OF THE ST
ES	0				86.94	(1.50)	Orange rounded	orown slightly grave of various lithologi	elly fine and m es (GLACIAL	edium SAND. DEPOSITS).	Gravel is me	dium and coarse		GDU	
В					85.44	1.90	Grey and	d brown silty fine Sa	AND. (GLACIA	AL DEPOSITS	·).			GDU	
В					84.54	2.80	Trial pit (complete at 2.80m	bgl.						
						Length		Shoring/Support:			Water	Strikes			
	— 3 A			-	B 1 <u>↓</u>	Width	.00m	None Stability:	Trial pit comp	olete at 2.80m bo	Strike	Minutes Minutes	Standing Standing of contamir	ation	marks
	ES B	ES 0 ES 0	ES 0	ES 0	ES 0	ES 0 36.94	ES 0	Type	Type	Type	Type Q S Y S Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	Type Q S S S S S S S S S S S S S S S S S S	Second Property of the content of	Page	Second S

WSP		TRIAL PIT LO		Hole No. TP166
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome		Sheet 1 of 1
Job No 70004430	Client	Harrow Estates Plc		01-08-14 01-08-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
H & C Plant Hire Ltd	JCB 3CX	J Kinchington	E 389973.510 N 382515.520	86.890

					Bac
scription			Legend	Geology	,
AND with rootle ies (TOPSOIL	ets. Gravel is f .)	ine to coarse	11/2 11/2 1/2 11/2 1/2 1/4	TS	
ht grov sandy		IAL DEPOSITS)			
ni grey sandy	CLAT. (GLAC	IAL DEPOSITS)		GDU	
GLACIAL DEF	POSITS)				豆
				GDU	200000000000000000000000000000000000000
					2
AL DEPOSITS))		× · · · · · · · · · · · · · · · · · · ·	GDU	
nstability.					
	Water	Strikes			<u>_</u>
Time	Strike	Minutes	Standing	Rei	mark
	2.20				
plete at 2.80m bo o radiological rea	adings above ba	ckground recorded	of contamin Groundwa	ation ater	
n Ned	No radiological reads at 2.20m bgl. H	emarks mplete at 2.80m bgl. No visual or o No radiological readings above ba d at 2.20m bgl. Hole backfilled up	emarks mplete at 2.80m bgl. No visual or olfactory evidence o No radiological readings above background recorded. d at 2.20m bgl. Hole backfilled upon completion.	emarks mplete at 2.80m bgl. No visual or olfactory evidence of contamin No radiological readings above background recorded. Groundwa d at 2.20m bgl. Hole backfilled upon completion.	emarks mplete at 2.80m bgl. No visual or olfactory evidence of contamination No radiological readings above background recorded. Groundwater

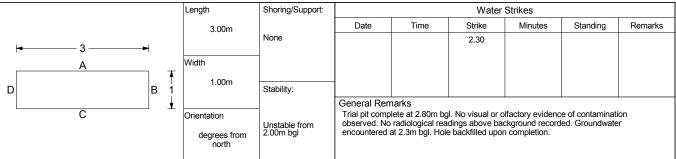
WSP		TRIAL PIT LO	G	Hole No. TP167	
WSP 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome	•	Sheet 1 of 1	
Job No 70004430	Client	Harrow Estates Plc		Date 01-08-14 01-08-14	
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD))
H & C Plant Hire Ltd	JCB 3CX	J Kinchington	E 390084.460 N 382484.300	86.720	

SAMF				_			Do-#			STF	RATA					Inst Bac
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	,
							-(0.40)	Grass ov to coarse	ver brown fine and e rounded and subi	medium slight rounded. (TOF	ly gravelly SAI PSOIL)	ND with rootle	ts. Gravel is fine	1/ 1/1/	TS	2000
0.40	ES	0				86.32	0.40	Firm med subangu	dium strength oran lar to rounded of va	ge brown sligh arious lithologi	ntly gravelly Cl es. (GLACIAL	LAY. Gravel is . DEPOSITS)	fine to coarse			2555
0.80	В		60				(1.10)								GDU	
1.50	В					85.22	1.50	Stiff high	strength reddish b	prown mottled	grey slightly gi	ravelly CLAY.	Gravel is			
			78				(0.50)	angular (grey săndstone and	d coal. (GLAC	ĀL DEPOŠIT	S)			GDU	125255 125255
2.00 2.20	D ES	0			<u>‡</u>	84.72	2.00	Reddish	brown silty fine SA	ND. (GLACIA	L DEPOSITS))		× · · · · · · · · · · · · · · · · · · ·		
						84.02	(0.70)							× · · · · · · · · · · · · · · · · · · ·	GDU	
							- - - - - - - - -	Their pit C	complete at 2.70m	ogi.						
		<u> </u>				<u> </u>	Length		Shoring/Support:			Water	Strikes		<u> </u>	
 -		— 3 A			>		3 Width	.00m	None	Date	Time	Strike 2.20	Minutes	Standing	Re	mark
D		С				B 1 <u>¥</u>	Orientati degr	on ees from	Stability: Unstable from 2.40m bgl	observed. No	olete at 2.70m bo	adings above ba	olfactory evidence ackground recorder on completion.			



WSP		TDIAL DITLO		Hole No.	460
WSP		TRIAL PIT LO	3	IP	168
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome		Sheet 1 (of 1
Job No 70004430	Client	Harrow Estates Plc)8-14)8-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Le	vel (m AOD)
H & C Plant Hire Ltd	JCB 3CX	J Kinchington	E 389892.850 N 382337.020	8	35.110

SAMF	PLES	& TE	STS				Dent			STF	RATA					Ins Bad
Depth	Туре	PID (bbmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	,
							-	MADE G	ROUND: Brown sl to rounded of vario	ightly clayey g	ravelly SAND	. Gravel is find	e to coarse			
							(0.45)	3			,				GMG	
0.30	ES	0					F` ´									
						84.66	0.45	Orongo	orown slightly claye	u fino to coor	a CAND (CL	ACIAL DEDO	CITO)	XX		<u> </u>
						84.51	0.60							<u> </u>	GDU	Ø
							_	Firm bed	coming stiff mediun LAY. (GLACIAL DE	n strength brov	wn and grey o	ccasionally or	angey brown			
			48				-	July 5	2 (02 .0 12 22							
							-									Ž,
							-									22
							(1.00)								GDU	
			64				Ļ									
							-									
						83.51	1.60									
						30.01	1.00		wn fine and mediu	m SAND. (GL	ACIAL DEPOS	SITS)				
							-(0.40)								GDU	
							-									1
2.00	В					83.11	2.00	Reddish	grey brown silty fir	e SAND. (GL	ACIAL DEPOS	SITS)		×		-12
							-		,	,		,		X		
	ES				<u></u>									×		8
2.30	0			-		-(0.80)							× · · · ·	GDU		
							-							× · · ×		
							-							× · · · ·		
						82.31	2.80							× · · ·		8
							-	Trial pit t	erminated at 2.80r	n bgl due to in	stability.					
							-									
							-									
							-									
							-									
							-									
							-									
	1	<u> </u>	l		1		Length	1	Shoring/Support:			Water	Strikes			_
							3	.00m	None	Date	Time	Strike	Minutes	Standing	Rei	mark
 		— 3			-				None			2.30				
		Α				_	Width									
D						∓ B 1	1	.00m	Stability:	1						
						」 ↓				General Rer		1		<u> </u>		
		С					Orientati	on	Unstable from	observed. No	radiological rea	dings above ba	olfactory evidence ckground record	e of contamin ed. Groundwa	ation ater	
							degr	ees from orth	Unstable from 2.00m bgl	encountered	at 2.3m bgl. Hol	e backfilled upo	n completion.			
Sc	ale 1:2	:5				l dimens dentifica		metres. Lo	gs should be read	in accordance	with the provi	ided Key. Des	criptions are b	ased on visi	ual and	

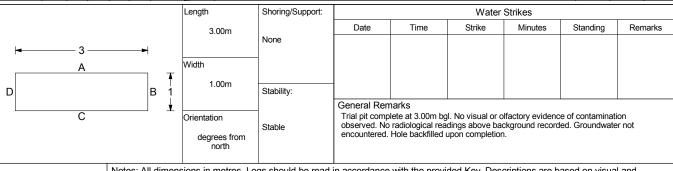


			P						TRIAL F	PIT LO	G		Hole	No. TP1	69	
	150-182 M50 phone: 0	3SP	-	400	ī	Project			Woodford	Aerodrom	e		Shee	et 1 of	1	
Job No	7000		30		(Client			Harrow E	states Plc			Date	9 04-08- 04-08-	-14 -14	
Contract	or / Dr	iller			Meth	nod/Pla	nt Use	d	Logged By		Co-Ordina	ates (NGR)		Ground Leve		DD)
Н&С	C Plan	t Hire	e Lto	.		J	CB 3CX	<		nington		389782.700 382290.760		85.		
SAM	PLES	& TE	ESTS	<u> </u>						STF	RATA		<u> </u>			Install Backfi
Depth	Туре	PID ppmV)	HSV N/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				Des	cription			Legend	Geology	
- - - - - - - - - - -	ES	0				85.22	MADE GROUND: Brown slightly clayey gravelly fine SAND. Gravel is angular to rounded of various lithologies (TOPSOIL). Likely replaced after installation of dra (0.50)								GMG	
- - - - - -			42		<u>+</u>	84.22 1.50 1.40 m bgl; ceramic land drain Firm medium strength reddish brown mottled grey slightly gravelly CLA' medium and coarse subangular to subrounded of various lithologies. (GDEPOSITS) 83.72 2.00 Reddish brown slightly silty fine SAND. (GLACIAL DEPOSITS)						Y. Grave BLACIAL	dis _o	GDU		
- - - - -						83.02	(0.70)		erminated at 2.70n					× × × × × × × × × × × × × × × × × × ×	GDU	
- - - - - - - - -							-									
	1	-	•	1	•		Length	•	Shoring/Support:	_		Water St				
 ←		— 3 A			→	Т В 1	Width	.00m	None Stability:	Date	Time	Strike 2.00	Minutes	Standing	Re	emarks
		С				<u></u>		on ees from north	Unstable from 2.00m bgl.	observed. No	lete at 2.70m bg radiological rea	I. No visual or olfa dings above back backfilled upon c	ground rec	corded. Groundw		

WSP			TRIAL PIT LO	G	Hole	TP170
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome	3	She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Dat	te 05-08-14 05-08-14
Contractor / Driller	Me	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
H & C Plant Hire Ltd		JCB 3CX	J Kinchington	E 389522.930 N 382267.510		87.320
						Install /

SAMP	LES	& TE	STS	3						STF	RATA					Insta Back
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick			Des	cription			Legend	Geology	
-							-ness) - -(0.40)	Long gra	ss over brown sligh coarse subagular t	ntly gravelly fir to subrounded	ne and mediun of various lith	n SAND with ologies. (TOF	rootlets. Gravel PSOIL).	1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	TS	\$25.55 \$25.55
- - 0.50 - 0.50 - - -	B ES	0				86.92		Reddish of various	brown slightly claye s lithologies. (GLA	ey slightly grav CIAL DEPOSI	velly SAND. G TS)	ravel is round	ed to subangular		GDU	
- - - - - - - - - - - - - - - - - - -	В					85.32	- 2.00	Reddish sandston	brown slightly clay e and coal and var	ey fine to coar rious lithologie	se SAND and s. (GLACIAL I	rounded GR/ DEPOSITS)	AVEL of			
						84.82	(0.50)	Brown fir	ne and medium SA	ND. (GLACIA	L DEPOSITS)				7	
						84.22	-(0.60) - - 3.10 - - -	Trial pit o	complete at 3.10m	bgl					GDU	
-							-									
							Length 3	.00m	Shoring/Support:	Date	Time	Water Strike	Strikes Minutes	Standing	Rer	narks
D D		— 3 A			→	B 1	Width	.00m	None Stability:	General Ren	narks					
		С				<u>. T</u>		ees from	Stable	Trial pit comp observed. No	lete at 3.10m bo	dings above ba	olfactory evidence o ackground recorded n.	f contamin Groundwa	ation ater not	
Sca	ale 1:2	25		Note	es: Al ual id	l dimens lentificat	ions in i	metres. Lo	gs should be read	in accordance	with the provi	ded Key. Des	criptions are base	ed on visu	ual and	

WSP WSP								TRIAL F	PIT LO	G			-	TP17	71	
0-182	The Q	uays		ı	Project							She	eet			
ione: 0	1618	86 240	00					Woodford	Aerodrom	е				1 of	1	
7000	443	30		(Client			Harrow E	states Plc			Da	(05-08- 05-08-	14 14	
/ Dri	ller			Meth	nod/Pla	nt Use	d	Logged By					Groun	d Level	(m AC	D)
Plant	Hire	e Ltd			J	CB 3CX	(J Kinch	nington					86.7	00	
						Danth			STF	RATA						Instal Back
Туре	PID (ppmV)	HSV kN/m2)	P.Pen kN/m2)	Water	Elev. (mAOD)	(Thick			Desc	cription				Legend	Geology	,
ES	0)			86.35	_(0.35)	medium s	subangular to rour	nded of various	lithologies.(To	OPSOIL)		and	1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	TS	
ES D	0	88				- - - - - _(1.65)	1.00 m bç	gl; becoming brow	n						GDU	
В		120				- - 2.00 - - - -(1.00) - -	Orange fi	ne and medium S	AND. (GLACIA	AL DEPOSITS)				GDU	
					83.70		Trial pit c	omplete at 3.00m	bgl.							
						Length		Shoring/Support:	Dete	T:				Ota - di		
	- 3 A			>	None Width 1.00m Stability: General Remarks Trial pit complete at 3.00m bgl. No visual or olfactory evidence							idence of	contamina	ation	marks	
	// OOOO / Driant LES i	D-182 The Q M50 3SP one: 0161 8 Fax: 7000443 / Driller Plant Hire	D-182 The Quays M50 3SP one: 0161 886 240 Fax: 70004430 / Driller Plant Hire Ltd LES & TESTS Type	D	D-182 The Quays M50 3SP one: 0161 886 2400 Fax: 70004430 / Driller Metropole Metropo	D-182 The Quays M50 3SP one: 0161 886 2400 Fax: Client Clien	Project Proj	Project Proj	Description of the second of t	Description of the class with the class of t	Description Best of the project of	Double See 2000 Be and the Ltd	She would be a second of the s	Date Da	Display Disp	Sheet 1 of 1 o



TRIAL PIT LOG TP1	72
Tol-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of	1
Job No	
Contractor / Driller Method/Plant Used Logged By Co-Ordinates (NGR) Ground Leve	l (m AOD)
H & C Plant Hire Ltd JCB 3CX J Kinchington E 389616.050 N 382216.710 87.	000
SAMPLES & TESTS STRATA	Install / Backfill

SAMP	LES						Da:"			STF	RATA					Inst Bac
Depth	Туре	PID (bbmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	,
							-ness) -	Crops ov	ver brown slightly goded of various lithological	ravelly fine SA logies. (TOPS	ND. Gravel is OIL)	fine to coarse	e angular to	1/ 1/1/ 1/1/ 1/ 1/1/ 1/1/		
							(0.50)							1/2 1/2	TS	Ž
0.50	ES	0				86.50	0.50	Orango	aroun aliabtly alaya	v olightly grov	ally fine and m	andium SAND	Crovel in	31; 31	-	
0.50	ES	0					- - - -(1.00)	subangu	orown slightly claye lar to rounded of va	ry siignily grav arious lithologi	elly line and n	iedium SANL . DEPOSITS).	. Gravei is		GDU	
						85.50	1.50									ASSES A
2.00	В					84.00	(1.50)	subangu	brown slightly clay lar and subrrounde	d of various(G	velly SAND. C	Gravel is fine t	o coarse		GDU	
							Length		Shoring/Support:	<u> </u>		Water	Strikes			
							_	.00m	sg. oupport	Date	Time	Strike	Minutes	Standing	Rei	mark
-		— 3 A				T	Width		None							
D					ı	T B 1	1	.00m	Stability:							
		С				<u>¥</u>	Orientati degr r	on ees from orth	Stable	observed. No	lete at 3 00m ho	adings above ba	olfactory evidence ackground record n.	ce of contamin ded. Groundwa	ation ater not	
	ale 1:2	· -		Note	s: All	dimens			ogs should be read	in accordance	with the prov	ided Kev Des	scriptions are h	ased on visi	ıal and	

				Hole N	•
WSP		TRIAL PIT LO	G	HOIE IN	TP173
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome	•	Sheet	1 of 1
Job No 70004430	Client	Harrow Estates Plc		Date	04-08-14 04-08-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Gr	ound Level (m AOD)
H & C Plant Hire Ltd	JCB 3CX	J Kinchington	E 389689.500 N 382175.440		86.170

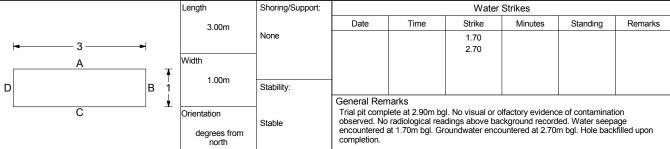
SAMP							Depth			STI	RATA					Inst Bac
Depth	Туре	DID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2	Water	Elev. (mAOD)	1				cription				Geology	
0.10	ES	0				85.97	-(0.20)	lithologie	lightly gravelly fine es. (TOPSOIL)					1/ 2/1/	TS	
0.30	ES	0					-	Brown sl various l	lightly gravelly fine ithologies. (GLACI)	and medium S	SAND. Gravel	is fine to coar	se rounded of			
1.00	В						- - -(2.60) - - -								GDU	
3.00	В				_	83.37 82.97	2.80	Brown si	ilty fine SAND. (GL	ACIAL DEPO	SITS).			× × × × × × × × × × × × × × × × × × ×	GDU	
						02.91		Trial pit α	complete at 3.20m	bgl.						
_							Length		Shoring/Support:				Strikes	01- "		
-		— 3 A			→	T	3 Width	.00m	None	Date	Time	Strike	Minutes	Standing	Rei	mark
D		С			E	B 1 <u>*</u>	Orientati degr	on ees from	Stability:	observed. No	olete at 3,20m bo	adings above ba	olfactory evidenc ackground record n.	e of contamin ed. Groundwa	ation ater not	

WSP			TRIAL PIT LO	G	Hole N	o. TP1	74	
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrom	е	Sheet	1 of	1	
Job No 70004430		Client	Harrow Estates Plc		Date	04-08- 04-08-		
Contractor / Driller H & C Plant Hire Ltd	Met	hod/Plant Used JCB 3CX	Logged By J Kinchington	Co-Ordinates (NGR) E 389899.660 N 382161.740	Gr	ound Leve 85.	I (m AO 120	D)
SAMPLES & TESTS			STF	RATA				Install / Backfill
Debty Library (2) PID Debty Library (2) PID Debty Library (3) PID Debty Library (4) PID	Vater	Elev.	Desc	cription		Legend	Geology	

1140	Plan	t Hire	e Lto			J(CB 3CX	(J Kind	chington		389899.660 382161.740		85.1	120	
SAME	PLES	& TE	STS	3						STI	RATA		·			Inst
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	scription			Legend	Geology	/
0.10	ES	0					-(0.40)	Brown sli subangul	ghtly gravelly fine ar of various litho	SAND with roo logies (TOPSC	otlets. Gravel is DIL).	s fine to coars	e rounded to	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TS	2525
0.50	ES	0				84.72	0.40	Firm oran various lit	ge brown mottled hologies. (GLAC	d grey slightly s IAL DEPOSITS	andy CLAY. (S)	Gravel is fine t	o coarse of	12 × 10 ×		
1.00	В						-(0.80) -								GDU	252555
						83.92	1.20	Reddish I	orown clayey SAf	ND. (GLACIAL	DEPOSITS)					
							- -(1.40) - - -								GDU	
2.60	D					82.52	2.60	Stiff reddi	sh brown slightly	sandy CLAY. ((GLACIAL DEF	POSITS)			GDU	
-						82.12	-	Trial pit c	omplete at 3.00m	ı bgl.						
							-									
							Length		Shoring/Support:			Water	Strikes			<u></u>
 		— 3			—►		3.	00m	None	Date	Time	Strike	Minutes	Standing	Re	mark
D		Α				B 1	Width 1.	00m	Stability:							
		С				<u>*</u>		ees from	Stable	observed. No	marks blete at 3.00m bg b radiological rea . Hole backfilled i	dings above ba	ckground recor	ce of contamin ded. Groundwa	ation ater not	

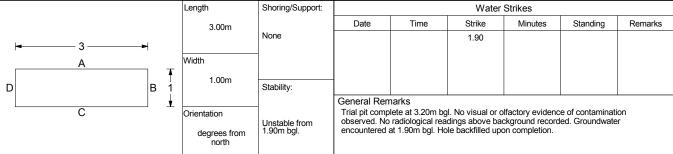
WSP			TRIAL PIT LO	OG	Hol	e No. TP175
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodror	me	She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Pl	С	Da	te 04-08-14 04-08-14
Contractor / Driller	Me	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
H & C Plant Hire Ltd		JCB 3CX	J Kinchington	E 389763.250 N 382051.760		84.970

PLES	& TE	STS							STI	RATA					Insta Back
Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	(Thick			Des	scription			Legend	Geology	,
ES	0					(0.50)	Brown si and subi	lightly gravelly fine rounded of various	SAND with ro lithologies (To	otlets. Gravel i DPSOIL).	s fine to coars	e subangular		TS	
ES	0				84.47	0.50	Brown fi	ne and medium SA	ND. (GLACIA	L DEPOSITS)	1		71, 71		
В						(1.70)								GDU	
				<u>+</u>	82.77	2.20	Reddish (GLACIA	brown slightly clay LL DEPOSITS).	ey slightly gra	velly SAND. G	ravel is mediu	ım rounded.	o -		
В				2 -	82.07	(0.70)		·					0	GDU	\$255555 \$45555 \$4555 \$4555 \$4555 \$4555 \$4555 \$4555 \$4555 \$455 \$65 \$455 \$45
						- - - - -	Trial pit (complete at 2.90m	bgl.						
						Length		Shoring/Support:			Water	Strikes			
	— 3 A			-			.00m	None	Date	Time	Strike 1.70 2.70	Minutes	Standing	Rei	mark
	С					Orientati degr	on	Stability:	Trial pit composserved. No	olete at 2.90m bo radiological rea	dings above ba	ckground record	led. Water see	epage	ıpon
	Type ES B	Type Qid (Audd) ES 0 B B A	ES 0 ES 0 B A	Type	Type B B B B B B B B B A A A A A A A A A A	Type G (Type C (Type	Type Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	Type Q Q S S Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	Type Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	B B B B B B B B B B	Elevation Depth (mADD) Thick (mADD) Depth (mADD) Thick meas) Brown slightly gravelly fine SAND with rootlets. Gravel is fine to coarse subangular and subrounded of various lithologies (TOPSOIL).	B B B B B B B B B B	B B B B B B B B B B



WSP		-	TRIAL PIT LO	3	Hole	TP176
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Dat	te 04-08-14 04-08-14
Contractor / Driller	Me	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
H & C Plant Hire Ltd		JCB 3CX	J Kinchington	E 389859.770 N 382008.330		85.340
SAMDLES & TESTS			QTD/	ΛΤ Δ		Install /

SAMP	LES	& TE	STS				Dent			STI	RATA					Inst Bac
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	,
							- - -(0.40)	Brown si angular t	Ightly gravelly fine to rounded of vario	and medium S us lithologies.	SAND with roo (TOPSOIL)	tlets. Gravel is	s fine to coarse	1/ 1// 1//	TS	
).20	ES	0				84.94	<u> </u>							17 317	10	
						04.54	- 0.40	Orange I	prown fine and med	dium SAND. (GLACIAL DEP	POSITS)				
							-(0.40)								GDU	
			74			84.54	0.80	Firm me	dium strength oran	ge brown mot	tled grey slight	tly gravelly sa	ndy CLAY.	-0		
.00	D						-	Gravel is	coarse angular of	coal. (GLACIA	AL DEPOSITS	3)				
1.00																
							(1.10)							0	GDU	
							-									
							-									
			60		1	83.44	1.90							-0		
2.00	В				÷		F	Reddish (GLACIA	brown slightly grav L DEPOSITS)	elly slightly cla	ayey fine SANI	D with rare ro	unded cobbles.	- -		
							-							0 .		450
														o		E STATE OF THE STA
							(1.30)								GDU	
							-								_	
							-									25
							-							o		
						82.14	3.20	Trial pit o	complete at 3.20m	bal.				o		Z
							-	,		-9						
							L									
							-									
							-									
							Length		Shoring/Support:				Strikes			_
l=		2			_ 1		3	.00m	None	Date	Time	Strike 1.90	Minutes	Standing	Rei	mark
		— 3 A				_	Width		-							
D						B 1	1	.00m	Stability:	_						
		С				<u>*</u>	Orientati	on	Lipotoble for a	General Rer	olete at 3,20m bo	gl. No visual or o	olfactory evidence	e of contamin	ation	
							degr	ees from orth	Unstable from 1.90m bgl.	encountered	at 1.90m bgl. Ho	ole backfilled up	on completion.	a. Groundwa	aiCi	



	V	VS	P						TRIAL F	PIT LO	G				TP17	77	
	50-182 M50 hone: 0	3SP	•	00	ı	Project			Woodford	Aerodrom	e		Sh	eet	1 of	1	
ob No					(Client							Da	ite	24.07	1.1	
	7000)443	30						Harrow E	states Plc					31-07- 31-07-	14	
ontracto					Meth	nod/Pla			Logged By			ates (NGR) 389264.150		Grou	ınd Level		DD)
H & C						JC	CB 3C>		J. W	atson		382113.540			87.2	270	Ins
SAMF					ō	Elev.	Depth				RATA						Ba
Depth	Туре	udd) ∐d	HS' (KN/n	P.Pen (kN/m2)	Water	(mAOD)	(Thick -ness)			Des				Legend	Geology	y	
.10-0.20	ES	0				86.97	(0.30)	MADE GF fine angul	ROUND: Grass ov ar of ash and clin	ver brown sligh ker.	ntly gravelly SA	AND. Gra	ivel is		MG		
						00.97	0.30	PROBAB	LE MADE GROU	ND: Orange br	medium SAND).					
							(0.50)							MG			
.80-0.90 .80-0.90	D ES	0				86.47	0.80	Stiff dark	greyish brown saı	tlets.							
80-0.90	ES	U				86.17	(0.30)							GDU			
			80			00.17	- 1.10	CLAY. Gr	ium strength redd avel is fine and m	tly sandy slight hologies. (GLA	tly gravel CIAL	ly	0		- C		
			60				-	DEPOSIT	S)				-0				
50	D		68 50				- -(1.00)							GDU			
																9	
			78												-0,		S. S.
.00	D		80			85.17	2.10	Greyish g	reen clayey medi	um and coarse	SAND. (GLA	CIAL DEPOSI	TS)				
						04.07	(0.30)									GDU	
50	D					84.87	-(0.20)		ly stiff reddish bro							GDU	Z.
.50						84.67	2.60	Trial pit co	omplete at 2.6m b	ogl							50
							- - - - - - -										
							Length		Shoring/Support:	<u> </u>		Water	Strikes				<u>_</u>
							-	.80m	None	Strike	Minute	es	Standing	Re	mar		
 -		- 2.8 A	: —		>		Width										
D						■ T B 0,6	0	.60m	Stability:	L							
		С				<u>*</u>	Orientati	on ees from	Stable	observed. No	lete at 2.6m bgl. radiological rea	No visual or olfa dings above bac upon completion	ckground r				

		A I C											Hole N			
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		P						TRIAL F	PIT LO	G			TP17	78	
	50-182 M50 hone: 0	0 3SP	•	00	F	Project			Woodford	Aerodrom	е		Sheet	1 of	1	
Job No	7000	0443	30		(Client			Harrow E	states Plc			Date	31-07- 31-07-	·14 ·14	
Contracto	or / Dr	iller		ľ	Meth	nod/Pla	nt Use	d	Logged By		Co-Ordin	ates (NGR)	G	round Level	l (m AC	DD)
H & C	Plan	t Hire	e Ltd			J	CB 3C	Κ	J. Wa	atson		389309.440 382142.240		87.3	380	
SAMF	1	1	1	_			Depth			STR	RATA				I	Install / Backfill
Depth	Туре	PID (ppm/	HSV (kN/m2	P.Pen (kN/m2)	Water	Elev. (mAOD)				Desc	cription			Legend	Geology	<i>'</i>
0.10-0.20	ES	0					(0.70)	fine and r	ROUND: Grass ov nedium of brick lin	ver brown sligh nestone and gl	tly clayey sligl ass.	ntly gravelly SAI	ND. Gravel	is	MG	
1.00 -1.00-1.20 - - - - - - - - - - - - - - - - - - -	D ES D	0	70 60 56 50 60			86.68	(1.90)	Firm loca gravelly (DEPOSIT	lly stiff medium str LAY. Gravel is fin S)	e and medium	brown mottled	l grey slightly sa arious lithologie	ndy slightly s. (GLACIA	L - 0	GDU	
26.00 1		- 2.8 A				B 0.6 <u>↓</u>	Width 0 Orientati	.80m .60m on ees from	Shoring/Support: None Stability:	observed. No	lete at 2.6m bgl radiological rea	Water S Strike No visual or olfardings above backupon completion.	Minutes ctory evidence		ition	marks
Sca	ale 1:2	25				dimens		metres. Lo	gs should be read	in accordance	with the provi	ided Key. Descr	iptions are	based on visu	ual and	

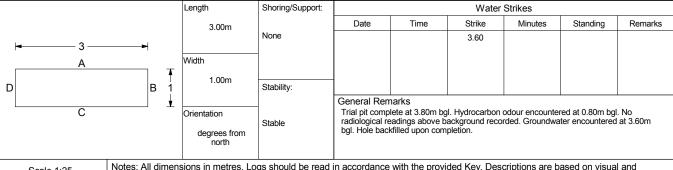
WSP			TRIAL PIT LO	3	Hole No	TP1	79	
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome	;	Sheet	1 of	1	
Job No 70004430		Client	Harrow Estates Plc		Date	01-08- 01-08-		
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)	Gro	ound Leve	l (m AO	D)
H & C Plant Hire Ltd		JCB 3CX	J Kinchington	E 389965.800 N 381573.310		83.	760	
SAMPLES & TESTS			STRA	ATA				Install / Backfill
Debth Library (PmdV) Pen	(KIN/IIIZ) Water	Elev. (mAOD) (Thick -ness)	Descr	iption		Legend	Geology	DOOKIII

OAW	LES			_			Donth			STF	RATA					Insta Back
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	
0.10	ES	0				02.20	-(0.40)	MADE G to coarse	ROUND: Long gra e angular to rounde	ss over browr d of various li	gravelly SAN thologies (TOF	D with rootlets PSOIL).	s. Gravel is fine		GMG	
0.50	ES	5	40			83.36	- 0.40 	MADE G with frag	ROUND: Soft brov ments of brick sand	vn streaked bl dstone and pla	ack slightly sa astic - strong h	ndy slightly gr ydrocarbon o	avelly CLAY dour.		CMG	
- 2.20 2.50	ES D	0	46			81.56	-		gl; ceramic land dr dium strength brow			. (GLACIAL D	EPOSITS)		× × × × × × × × × × × × × × × × × × ×	
3.20	В		52			80.56	-(1.00) - - - 3.20 -(0.20)	Grey cla	yey medium and co	parse SAND. (GLACIAL DEI	POSITS)			GDU	
						80.36	3.40	Trial pit o	complete at 3.40m	bgl.						DU
							Length		Shoring/Support:			Water	Strikes			
-		— 3 A			→	T	Width	.00m	None	Date	Time	Strike	Minutes	Standing	Rer	marks
D		С				B 1	Orientati degr		Stability:	radiological r	olete at 3.40m bo	gl. Hydrocarbon packground reco	odour encountered	d at 0.40m r not encou	bgl. No intered. H	ole

			Length	Shoring/Support:			Water	Strikes		
			3.00m		Date	Time	Strike	Minutes	Standing	Remarks
<u> </u>	3			None						
1-	٥	-1	Width							
D	A	B 1	1.00m	Stability:						
	С	↓	Orientation degrees from north	Stable		lete at 3.40m bg		odour encounter rded. Groundwa		
		Nistani Ali dinasan	siona in matros. La				ded Keir Dee			Laural

WSP		TRIAL PIT L	OG	TP180
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodro	ome	Sheet 1 of 1
Job No 70004430	Client	Harrow Estates F	Plc	Date 01-08-14 01-08-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
H & C Plant Hire Ltd	JCB 3CX	J Kinchington	E 389801.650 N 381249.670	81.930

SAI	MPLES	8 T	ES	TS							STF	RATA					Instal Backf
Depth	т Тур	DID (Vana)	HSV A	(kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOE	Depth (Thick -ness)			Des	cription			Legend	Geology	
-							81.7	-(0.20)	MADE G coarse a	ROUND: Brown sli	ightly gravelly ed of various l	fine SAND wit ithologies (TC	th rootlets. Gra PSOIL).	avel is fine to		GMG	
-							81.6		MADE G	ROUND: Yellowish	n brown gravel	ly SAND with	frequent cobb	les of yellow		GMG	
0.30 - - - -	ES							(0.50)	MADE G with inclu sandston	sandstone. ROUND: Grey brousions of glass bott ne.	wn sandy fine les, metal, wir	to coarse ang e. Occasional	ular to subrou angular cobbl	nded GRAVEL es of		GMG	
0.80	ES	3					81.1	3 0.80	MADE G	ROUND: Soft med	ium strength o	grey streaked	black slightly	gravelly sandy			
- - - - - - - - -	D			44			70.7	- - - - -(1.40) - - -	CLAY. G	iravel is fine to coar bon odour.	rse angular to	subrounded o	f variouš litho	ogies -		CMG	
- 2.20	ES	0				1	79.7	- - - - -(1.40) - -	MADE G rounded.	ROUND: Grey and	dark grey slig	htly gravelly S	SAND. Gravel	is fine to coarse		GMG	
3.60	ES	0	9	98		<u> </u>	78.1	-(0.20)	Stiff high	strength reddish b	rown slightly g	ravelly CLAY.	(GLACIAL DI	EPOSITS)	× ×	GDU	2
-							70.1	3.00		completed at 3.80m	ı bgl.						NA.
								Length	1	Shoring/Support:			Water	Strikes			
								3	3.00m	None	Date	Time	Strike 3.60	Minutes	Standing	Rei	narks
D		3				→ 	B 1 ±	Orientat deg	.00m ion rees from	Stability:	radiological re	lete at 3.80m bg	gl. Hydrocarbon ackground reco	odour encountered rded. Groundwater	at 0.80m t encounter	ogl. No ed at 3.60)m
;	Scale 1	:25					dimen entifica	sions in		gs should be read	in accordance	with the provi	ided Key. Des	criptions are bas	ed on visu	ual and	



WSP			TRIAL PIT LO		Hol	e No. TP181
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome	е	She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 01-08-14 01-08-14
Contractor / Driller	Met	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
H & C Plant Hire Ltd		JCB 3CX	J Kinchington	E 389850.460 N 381243.730		82.630

SAMP	LES	& TE	STS							STF	RATA					Insta
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	
						82.43	-(0.20) 0.20	MADE G to subrou	ROUND: Brown sl unded of sandstone	ightly gravelly and various l	fine SAND. G ithologies with	ravel is fine to rootlets (TOI	o coarse angular PSOIL).		GMG	
0.30	ES	230				82.23	-(0.20) 0.40	subround	ROUND: Dark gre ded GRAVEL of va 40 m bgl; hydrocarl	rious lithologie	es -very strong	ne to coarse a hydrocarbon	ingular to odour.		GMG	Z.
-0.50	ES	5					- - - -(1.20) - -	MADE G	to m ogi; nydrocar i: ROUND: Brown gr to subangular of a	avelly fine to	coarse SAND.		e to coarse		GMG	
						81.03	1.60		ROUND: Reddish	brown sandy f	ine to coarse	angular GRA\	VEL of brick with		GMG	ZZ ZZ
2.00 -2.00	B ES					80.83		MADE G	ROUND: Dark bro	wn slightly sar various litholo	ndy clayey GR gies including	AVEL. Grave	I is fine to coarse		S.110	
						79.83	-(1.00) - - - - 2.80								GMG	
3.00 3.00	D ES		100			79.33	(0.50)	coarse re	strength reddish b ounded. (GLACIAL	DEPOSITS).	grey siigntiy gi	avelly CLAY.	Gravei is fine to		GDU	
						70.00		Trial pit o	complete at 3.30m	bgl.						
							Length		Shoring/Support:		1		Strikes			<u>+</u>
+		— 3 A			->		3. Width	.00m	None	Date	Time	Strike	Minutes	Standing	Rei	mark
D		С				B 1 <u>¥</u>	Orientation degro	on ees from	Stability:	- 0.40m bgl	lete at 3.30m bo	eadings above	contamination end background record n.			

					_	
WSP WSP			TRIAL PIT LO)G	Hole	TP182
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodron	ne	She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plo	:	Dat	te 05-08-14 05-08-14
Contractor / Driller	Me	hod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
H & C Plant Hire Ltd		JCB 3CX	J Kinchington	E 389527.500 N 382117.020		86.140
SAMPLES & TESTS			ST	RATA		Install /

H & C	Piani	Hire	Lta			JC	CB 3C>	(J Kinci	nington	N	382117.02	0	86.	140	
SAMF	PLES	& TE	STS	;						STF	RATA					Ins Ba
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick			Des	cription			Legend	Geology	,
						85.94	-ness) -(0.20) 0.20	MADE GF is angular	ROUND: Crops ov to subrounded of	er brown sligh sandstone a	ntly gravelly find and brick and va	e and mediur arious litholog	n SAND. Grav gies	el	GMG	
0.30	ES	0				85.64	(0.30)	MADE GF subrounde	ROUND: Light bro ed of sandstone w	wn gravelly fin vith angular co	e to coarse Sabbles.	AND. Gravel	is angular to		GMG	
						65.04	0.50	MADE GF coarse.	ROUND: Orange I	prown and gre	y slightly grave	elly CLAY. Gr	avel is fine to			
							(0.50)	0.80 m bg	ıl; 100mm cerami	c land drain					CMG	
1.00 1.00	D ES	0	40			85.14	1.00	Firm med DEPOSIT	ium strength oran 'S)	ge brown moti	tled grey sand	y CLAY. (GLA	ACIAL	- <u> </u>		
							(0.70)								GDU	NO SOL
						84.44	1.70			2415 (0)		NEO)				
						84.14	(0.30)	Brown gre	ey fine and mediu	n Sand. (GL/	ACIAL DEPOS	5115)			GDU	
•			60				-	Firm med rounded o	ium strength redd of various lithologi	ish brown sligl es. (GLACIAL	ntly gravelly Cl DEPOSITS)	LAY. Gravel i	s fine to coarse	•		NO SOLVE
2.50	D						-(0.80)								GDU	STATE OF THE PARTY
						83.34	2.80									
								Trial pit co	omplete at 2.80m	bgl						
							-									
							-									
							-									
							Length		Shoring/Support:			Water	r Strikes			
l-i		_ 2	_				_	.00m	None	Date	Time	Strike	Minutes	Standing	Re	mark
[-		_ A			_	T	Width	.00m								
D		С				B 1 <u>↓</u>	Orientati		Stability:	General Ren		al. No visual or	olfactory evidence	e of contamin	ation	
		O					degr	ees from north	Stable	observed. No	radiological rea Hole backfilled	idings above ba	ackground record	led. Groundwa	ater not	

		V	VS SP	P						TRIAL F	PIT LO	G		Hole	No.	01	
	150 Teleph	0-182 T M50 one: 0	The Q	uays 86 24	00		Project			Woodford	Aerodrom	e		Shee	et 1 of	1	
Job N		000	443	30		,	Client			Harrow E	states Plc			Date	e 02-07- 02-07-	·14 ·14	
Contra	actor	/ Dril	ller			Meth	nod/Pla	nt Use	ed	Logged By		Co-Ordina	ates (NGR)		Ground Leve	I (m AC	DD)
Н	& C F	Plant	Hire	e Ltd			J	CB 3C	X		Geever		389829.310 381761.920	.	86.3		ŕ
SA	AMPL	ES 8	& TE	STS	-						STR	ATA					Install /
Dep	th	Гуре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)	MADE G	ROUND: Brown sl and gravel of conc	ightly clayey sli	cription ightly cobbly g nd brick.	gravelly SAND	with rootle		Geology	/
1/12/14							84.86	(1.50)								GMG	
08 WSP TP LOG STANDARD WOODFORD LOGG - COMBINED-100914 - UP TO DATE VERSION GPJ WSPETEMPLATE1 03.GDT 11/12/14								-									
S907								Length		Shoring/Support:	Date	Time	Water Strike	Strikes Minutes	Standing	Re	marks
VOODFORD T T T T T T T T T			- 3 A			→	-	Width	3.00m	None	Date	Time	June	wintales	Standing	1/6	uino
D ARD							B 1	1	1.00m	Stability:							
TP LOG STAND,			С				<u>*</u>		ion rees from north	Stable	No visual or o No radiologica Groundwater i	ete at 0.70m in lfactory evidenc	ce of contaminati re background red.		d.		
08 WSF	Scale	1:18.	75				l dimens dentificat		metres. Lo	gs should be read	in accordance	with the provi	ded Key. Desc	criptions ar	e based on visi	ual and	

			NS	P							TRIAL F	PIT LO	G		Hole No.	ТРВ0	2	
	Tel	150-182 M5 ephone:	0 3SP		-00		Proje	ect			Woodford	Aerodrome	е		Sheet	1 of 1	1	
	Job No						Clien	.+							Date			
	300 110	7000	0443	30			Cilen	IL			Harrow E	states Plc			Date	02-07-1 02-07-1		
	Contrac	tor / Dr	iller			Meti	hod/F	Plai	nt Use	d	Logged By		Co-Ordina	ates (NGR)	Gro	und Level	(m AO	D)
	Н&	C Plan	t Hire	e Ltd				JC	CB 3C	X	S McG	Seever	E N	389889.890 381750.870		86.0	10	
	SAM	1PLES										STR	ATA					Install / Backfill
	Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Ele ^o	ev. OD)	Depth (Thick -ness)			Desc	ription			Legend	Geology	
08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ WSPETEMPLATE1.03.GDT 11/12/14			3)	3				5.26	-ness) -n	fine to co	ROUND: Brown slarse angular to rou	unded of variou	s lithologies.	Water \$	Strikes		GMG	
OT C									3	3.00m	None	Date	Time	Strike	Minutes	Standing	Ren	narks
)FOR	 		— 3			-					None							
MOOI			Α				7		Width 1	.00m								
DARE	D						B 1		'		Stability:	General Rema	arks					
P TP LOG STAN			С				<u>.</u>		1	rees from north	Stable	Trial pit comple No visual or oli No radiological Groundwater n Hole backfilled	ete at 0.70m int factory evidenc I readings abov not encountered I upon completi	e of contamination re background reduced. d. on.	corded.			
08 WS	Sc	ale 1:18	3.75				ll dime dentifi			metres. Lo	gs should be read	in accordance v	with the provi	ded Key. Desc	riptions are ba	sed on visua	al and	

		 		P						TRIAL F	PIT LO	G		Hole No	TPBO)3	
	1	50-182	SP The Q 3SP	uays		Ī	Project							Sheet			
	Tele	ohone:	0161 8 ax:	386 24	00					Woodford	Aerodrom	е			1 of	1	
	Job No	7000)443	30		(Client			Harrow E	states Plc			Date	02-07-1 02-07-1	14 14	
	Contracto	or / Dr	iller			Meth	nod/Pla	nt Use	d	Logged By		Co-Ordina	ates (NGR)	Gro	und Level	(m AO	D)
	Н & С	Plan	t Hire	e Ltd			J(CB 3C)	K	S McG	Geever	E	389901.570 381784.020		85.8		,
	SAMI	PLES	& TE	STS	3						STR	ATA					Install / Backfill
	Depth	Туре	PID (bpmV)	SV I/m2)	Pen I/m2)	Water	Elev.	Depth			Desc	cription			Legend (Geoloav	
	-	7,62	dd)	ΙX	G. S.	, M	(mAOD)	-ness) -(0.60)	MADE G coarse a	ROUND: Brown sli ngular to well round	ightly clayey gr	avelly SAND	with rootlets. C	Gravel is fine to		GMG	
	- - -						85.29	0.60									
	- - -							-									
4	- - -							-									
E1.03.GDT 11/12/14	-							- - -									
J WSPETEMPLAT	- - 							-									
ATE VERSION.GF	- - -							- - -									
08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION GPJ WSPETEMPLATE1	- - -							- - -									
COMBINED	-							-									
- S90								Length		Shoring/Support:			Water		O		
DFORD L	 		— 3						.00m	None	Date	Time	Strike	Minutes	Standing	Rer	marks
ARD WOC	D		A				∓ B 1	Width 1	.00m	Stability:							
TP LOG STAND,			С				<u>*</u>		rees from	Stable	No visual or of No radiological Groundwater is	ete at 0.70m int	e of contaminati e background re f.				
08 WSF	Sca	le 1:18	.75				l dimens dentifica		metres. Lo	gs should be read	in accordance	with the provi	ded Key. Desc	criptions are ba	ased on visu	al and	

	J	 		P						TRIAL F	PIT LO	G		Hole No.	TPB	05	
		50-182 M5 ohone:	0 3SP	•		-	Project			Woodford	Aerodrome	e		Sheet	1 of	1	
		7000		30			Client				states Plc		4100	Date	30-07- 30-07-	14	
	Contractor H & C			e Lto		Met	hod/Pla J(nt Use CB 3C		Logged By J. Wa	atson	Co-Ordina	etes (NGR) E 0.000 N 0.000	Grou	und Level	(m AC	D)
	SAME	PLES	& TE	ST	S						STR	ATA					Install / Backfill
	Depth	Туре	PID (ppmV)	HSV	(KN/MZ) P.Pen (KN/M2)	Water	Elev. (mAOD	Depth (Thick -ness)			Desc	ription			Legend	Geology	
	-							(0.50)	and cobb	ROUND: Dark bro lles are of concrete th occasional reba	e asphalt brick of	elly SAND wit drainage cera	h abundant cot mics wood slat	obles. Gravel e sandstone		MG	
08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION GPJ WSPETEMPLATE1.03.GDT 11/12/14	- 0.50-1.50	B ES	0					(0.50)	Stiff oran	ROUND: Firm san nd cobbles are of c e plastic with occa ge brown mottled g d medium of various	greenish grey s us lithologies. (i	t brick draina	ge ceramics wo	ood slate		MG	
OGS - C		1	1	1	1		1	Length	<u>I</u>	Shoring/Support:	D. I.	T'	Water S		Ot"		
VSP TP LOG STANDARD WOODFORD LO	D	le 1:18	- 2.8 A					Width Orientati degi	rees from north	Stability: Stable gs should be read	contamination Groundwater r	eted within bun observed. No r not encountered	Strike d - complete at 2. adiological readir i. Hole backfilled ded Key. Descr	gs above backg upon completion	round recor	y evideno	marks ce of
08 🗸	Sca	e 1.18	0.75				dentifica					F					

			V		P						TRIAL F	PIT LO	G		Hole No.	TPB	06	
			0-182 M50 none: (3SP		00		Project			Woodford	Aerodrome	e		Sheet	1 of	1	
	Job		7000)443	30			Client			Harrow E	states Plc			Date	30-07- 30-07-	14 14	
		tracto			e Ltd		Meti	hod/Pla	int Use		Logged By	atson	Co-Ordina	etes (NGR) E 0.000 N 0.000	Gro	und Level	(m AO	DD)
	S	SAMP	LES	& TE	STS	3						STR	ATA		<u> </u>			Install / Backfill
	De	epth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD	Depth (Thick -ness)			Desc	ription			Legend	Geology	
08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ WSPETEMPLATE1.03.GDT 11/12/14			ES B	0					(1.50)	and cobb plastic wi	ROUND: Dark bro ples are of concrete ith occasional reba	e asphalt brick o	elly SAND with trainage cera	h abundant co	bbles. Gravel te sandstone		MG	
LOGS -									Length	. 00	Shoring/Support:	Date	Time	Water Strike	Strikes Minutes	Standing	Rer	marks
ARD WOODFORD I	₽	←		– 2.8 <u>A</u>	3 — —		>	∓ B 0.6	Width	2.80m 0.60m	None Stability:			Juind	iviiliutes	Gianung	Ker	nains
TP LOG STAND/				С				<u> </u>		rees from	Stable	contamination	eted within bun observed. No r	adiological readi	.5m bgl. No visu ngs above back upon completion	ground recor	y evidenc ded.	ce of
08 WSP		Scale	1:18	.75				ll dimens dentifica		metres. Lo	gs should be read	in accordance	with the provi	ded Key. Desc	criptions are ba	sed on visu	ual and	

Hole No. **WINDOW SAMPLE LOG WS101** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 26-06-14 70004430 Harrow Estates Plc 26-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389621.720 N 382842.010 **Premier Tracker Compact** Dynamic Sampling Ltd 90.850 J Watson

SA	MPLE	S & TE	STS									STRAT	A				Insta Back
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	Dia 50 mn
							00.53	-ness) _ _(0.32)	MAE	DE GROUND:	Reinforced (CONCRETE.			2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	CONC	
0.40-0.60	ES		0	110 120 122 128			90.53 90.50		\med Stiff	lium of various	s lithologies. slightly reddis	andy gravelly (sh brown sand s lithologies. (G	v slightly grav	ellv CLAY.		MG	
1.00-1.45	D (S)	3,2,2 3,2,2 N=9.		120 100				 _(1.45) _ - -								GDU	2222
				50 56			89.05	1.80	1.50	m bgl; becon	ning medium	strength					SE SE
1.80-2.00	ES D (S)	3,2,2 3,4,3	0	96			88.60	- (0.45)	Med DEF	ium dense ora POSITS)	ange brown m	edium and co	arse SAND. (GLACIAL		GDU	125.50 12
		N=12.					88.40	-	vario	brown slightly ous lithologies dow sample c	. (GLACIAL D		Y. Gravel is fi	ne angular of	-0	GDU	
-	Hole	Diamete							<i>y</i> ery				Water	Strikes			
Depth		Diameter neter (mm	_	emark	re	Core -	Top (m)	Recov Core Bas		% Recovery	Date	Time	Water Strike	Strikes Minutes	Standing	Ca	asing
Борит	Diali	ico (iiii)		SITIGIF		Sole	. op (III)	COI C DAS	~ (III)	Ancovery	General Rer Windowless : contaminatio	narks sample hole con	nplete at 2.45m adiological reac	bgl. No visual or o dings above backg d upon completion	Ifactory evic	dence of	AUI IY
Scal	e 1:37	7.5				ensio		etres. Lo	ogs sh	ould be read i	Groundwater	not encountered	d. Hole backfille	d upon completion	•		

ကျွ																		
CC		Hole	Diameter	-					Reco	very				Water	Strikes			
220	Depth	Diam	neter (mm)		Remark	s	Core 7	op (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
LE LOG WOODF(
WINDOW SAMP												contamination	ample hole com observed. No r	nplete at 2.45m t adiological read I. Hole backfilled	ings above back	kground record	ence of ed.	

Hole No. **WINDOW SAMPLE LOG** WS102 Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 26-06-14 70004430 Harrow Estates Plc 26-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389506.320 **Premier Tracker Compact** Dynamic Sampling Ltd 90.640 J Watson N 382772.590

SA	MPLE	S & TE	STS									STRAT	A				Insta Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			[escription			Legend	Geology	Dia 50 mr
							00.40	(0.45)	MAE	DE GROUND:	CONCRETI	=				CONC	
							90.19 90.04					ry clayey sand	y fine to coars	se subangular		MG	
0.60-0.80	ES	•	0				89.79	- 0.85	MAE				oarse subang	ular GRAVEL of		MG	
							89.74 89.64	- 0.90 - 1.00	\sim	dstone. DE GROUND:	Red brown r	nedium SAND.				MG MG	
1.00-1.45	D (S)	8,9,9 4,5,4 N=22.						- -(0.60)	of sa	andstone and	brick.	brown gravelly		l is fine to coarse		MG	
							89.04	F 1	Grav	vel is fine to m	ledium subar	gular of sands	tone.	coarse SAND.			
								-		BABLE MAD se SAND.	E GROUND:	Loose dark ora	ange brown n	nedium and			
2.00-2.45	D	2,1,1						(0.70)								MG	
	(S)	1,2,2 N=6.					88.34	2.30	1/					(CLIDEDEICIAL			
				16			88.14	2.50	DEÉ	POSITS)			sandy CLAY.	(SUPERFICIAL		SUPD	
2.70-2.90	ES		3				87.94	2.70		dark brown a	<u>'</u>	:A1. AND with a fain	t hvdrocarboi	n odour.		SUPD	
	D 6	w.sw.sv					87.64	(0.30) 3.00	(SUI	PĚRÉICIAL D	EPOSITS)					SUPD	
3.00-3.45	(S)	1,0,0 N=0.						(0.00)	with	a faint hydroc	arbon odour.	(SUPERFICIA	L DEPOSITS	and sandy CLAY 3)		CLIDD	
3.10-3.50	ES		5	10 16			07.04	-(0.60)								SUPD	
				10		\$	87.04 86.84		Dark	k brown mediu	ım SAND. (G	LACIAL DEPO	SITS)			GDU	
				10		÷		_	Firm	dark reddish	brown slightl	y sandy CLAY.	(GLACIAL D	EPOSITS)			200
4.00-4.45	D (S)	1,2,2 2,3,3 N=10.						(0.65)								GDU	
							86.19	- 4.45 -	Win	dowless samp	ale complete	at 4 45m hal					3
								-	*****	aomoco camp	no complete	at 1. 10111 bgi					
								-									
								-									
								-									
		Diameter						Recov						Strikes			
Depth	Dian	neter (mm)	R	emark	s (Core 7	Гор (т)	Core Bas	se (m)	% Recovery	Date	Time	Strike 3.80	Minutes	Standing 2.50	Ca	sing
											between 2.5	sample hole com to 3.8m bgl. No r encountered at	adiological rea	bgl. Faint hydrocarl dings above backgr installed upon comp	ound recor	ded.	

'nΓ							Ĺ										
3[Hole [Diameter					Recov	ery				Water	Strikes			
욁	Depth	Diam	eter (mm)	Rema	arks	Core 7	Гор (т)	Core Bas	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Cas	sing
E LOG WOODF													3.80		2.50		
INDOW SAMPL											between 2.5 to	sample hole com o 3.8m bgl. No r encountered at	adiological read	ings above back	kground record	ed.	ne

WSP			WINI	DOW SAMPI	LE LOG	Но	le No.	S103	
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Proj	ject		Woodford Aerodro	ome	Sh	eet 1	of 1	
Job No 70004430	Clie	nt		Harrow Estates P	lc	Da		-06-14 -06-14	
Contractor / Driller	Method	/Plant Us	ed	Logged By	Co-Ordinates (NGF	₹)	Ground L	evel (m	AOD)
Dynamic Sampling Ltd	Premie	er Tracke 110	r Compact	J Watson	E 389568.7 N 382768.9			90.700	
SAMPLES & TESTS			D #.	· · · · · · · · · · · · · · · · · · ·	STRATA	<u> </u>			Install Backf

MPLE	S & TE										STRAT	A				Insta Back
Туре	Test Result	PID ()	HSV kN/m2)	P.Pen kN/m2)	Water	Elev. (mAOD)	(Thick			D	escription			Legend	Geology	Dia 50 mn
		Ť				90 54	· '	MAE	DE GROUND:	Reinforced 0	CONCRETE.			P 5 4	CONC	
												coarse angula	ar GRAVEL of		MG	
ES	٠	0					- - - -	Firm	reddish brow vel is fine and	vn mottled gre medium roun	v slightly sand	y slightly grav	relly CLAY. nologies.			
(S)	1,1,2 1,2,1 N=6.		110 102 90					1.30) m bgl; stiff hi	gh strength					GDU	
D (S)	1,2,1 2,1,2 N=6.		74			00.25	- - - - - 245) m bgl; firm m	edium strengt	th					
						88.25	∠. 4 5		dowless samp	le complete a	t 2.45m bgl					7
Hole	Diamete							Wetv				Water	Strikes			
		_	emark	S	Core -	Top (m)			% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
										Windowless s	sample hole com	iplete at 2.45m adiological read 1. Hole installed	bgl. No visual or or dings above back upon completion.	olfactory evid round recor Response :	dence of ded.	
	Type ES (S)	Type Result ES . (S) 1,1,2,1,2,1,2,1,2,1,2,1,2,1,2,1,2,1,2,1	Type Result QQ () Q ()	Type Test Result G (\frac{1}{N} \frac{1}{N} \frac	Type Test Result Cauly C	Type Test Result C C C C C C C	Type Test Result	Type Test Result	Type	Test Result	Type	Type Result Q S S S S S S S S S S S S S S S S S S	Type Test Result C S S S S S S S S S S S S S S S S S S	Type Test Result Result	Type Result Result	Type Test Result Resul

22												
Ö	ŀ	Hole Diameter			Recovery				Water	Strikes		
SE SE	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
ELOG WOODF												
NDOW SAMPL							contamination	sample hole com observed. No r	nplete at 2.45m t adiological read I. Hole installed	ings above back	kground recorde	ed.

WSP		WINE	OOW SAMPLE		Hol	e No. WS104
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 26-06-14 26-06-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Р	remier Tracker Compact 110	J Watson	E 389657.650 N 382780.910		90.830
CAMPLES & TESTS				CTDATA		Install /

SA	MPLE	S & TE	STS									STRAT	Ά				Inst
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Di 50 mi
							90.67		Reinf	orced CONC	RETE.				2 4 4 6	CONC	
0.20-0.30	ES		0				90.53	L				ashy fine and arr with some sa		ngular GRAVEL	XX	MG	
0.40-0.50	ES			132				- 1	Stiff r	nigh strength	brown mottled	d grey slightly	sandy slightly	gravelly CLAY.			
				138				l l	Grave	el is fine angu	ılar of various	lithologies. (G	BLACIAL DEP	OSITS)			
				140				-									
1.00-1.45	D	1,2,3						(1.40)	0.90	- 1.00 m bgl;	band of orang	gish brown fine	e sand			GDU	
1.00-1.43	(S)	2,3,3 N=11.														<u> </u>	
		14-11.															
				70				<u> </u>	1.50	m bgl; becom	ning medium s	strength					
				76			89.13	1.70	Medi	um dense ora	ange brown fir	ne SAND. (GL	ACIAL DEPO	SITS)			
								-			3 - 1	(-		,			
2.00-2.45	D (S)	2,3,3 4,4,5						(0.75)								GDU	
	(5)	N=16.															绝
							88.38	- 2.45	Wind	owless samp	le complete a	ıt 2 45m bal					£\$
											•	· ·					
								- 1									
								- 1									
								<u> </u>									
								<u> </u>									
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	11.1.	D'			$\frac{1}{1}$			<u> </u>					10/-1	Object			
Depth		Diameter neter (mm)	_	emark	s (Core 7	Гор (m)	Recov Core Bas		% Recovery	Date	Time	Strike	Strikes Minutes	Standing	Ca	asing
r.		,					/		`	,			-		. 3		
											0						
											contamination	sample hole con n observed. No i	radiological read	bgl. No visual or olfa lings above backgro upon completion. F	ound recor	ded.	0
Scal	e 1:37	.5		es: Al				etres. Lo	ogs sho	ould be read i	n accordance	with the provi	ided Key. Des	criptions are base	ed on visu	ual and	

Hole No. **WINDOW SAMPLE LOG WS105** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 24-06-14 70004430 Harrow Estates Plc 24-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389435.290 **Premier Tracker Compact** Dynamic Sampling Ltd S McGeever 90.710 N 382702.210

110

241	4DL E	S & TE	сте									STRAT	Λ				Inst
SAI			_	. 6	ر (2	_		Depth				SIRAI					Bad
Depth	Туре	Test Result	Olld (bpmV)	HSV (kN/m2)	P.Per (kN/m)	Water	Elev. (mAOD)	(Thick -ness)			D	escription				Geology	
							90.51	0.20	CON	ICRETE.					944	CONC	
							90.21	(0.30) 0.50	fine	DE GROUND: to coarse very logies.	Black mottled angular to ro	d dark brown a unded of brick	shy gravelly S , clinker and v	SAND. Gravel is various		GMG	
.70	ES		0					(0.70)	MAE	DE GROUND:	Loose reddis ar to rounded	h brown grave of various litho	lly SAND. Gra blogies.	avel is fine and		GMG	
.00		1,0,0				1		Ē Í									
40	(S)	0,1,0 N=1.				Ţ	89.51	1.20	Soft	to firm brown	slightly sandy	organic CLAY	'. (SUPERFIC	CIAL	<u> </u>		S.
.10	D		0					(0.50)		POSITS)		-			<u></u>	SUPD	NO.
						₹	89.01	1.70	Loos	se grey slightly	clayey fine a	nd medium SA	AND. (GLACIA	AL DEPOSITS)			Z
						_		(0.60)			, ,			,		GDU	NY NY
.00	D (S)	2,1,1 0,1,1 N=3.	0				00 44	<u> </u>								ODO	
		14-5.					88.41	2.30	Firm	to stiff reddis	h brown mottl	ed light grey sl	ightly gravelly	slightly sandy	-0		S.
									lithol	Y. Gravel is fil logies. (GLAC	ne and mediu IAL DEPOSI	m subangular ΓS)	to rounded of	various			200
								- 4.5							0	0511	N. S.
.00	D	3,3,3	0					_(1.15) _	3 00	Windowless	sample hole (complete at 3.4	5m bal			GDU	
.00	(S)	3,4,4 N=14.						-	3.00	Willidowiess s	sample note (ompiete at 5.4	om bgi				
							87.26	- 3.45							· · ·		
								-									
	_	Diameter	_					Recov						Strikes			
Depth	Diam	eter (mm)	R	temark	s	Core 7	Top (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike 1.20	Minutes	Standing	Ca	asin
													1.80				
											No visual or on No radiologic Groundwater	narks sample hole com olfactory evidence al readings abovencountered at d upon completion	e of contaminat e background r 1.20 to 1.80m b	ion observed. ecorded.			
Scale	1:37	.5		es: Al				etres. Lo	ogs sh	ould be read i	n accordance	with the provi	ded Key. Des	criptions are bas	ed on visu	ual and	

ΩĮ																		
3		Hole	Diameter						Reco	very				Water	Strikes			
욁	Depth	Diameter (mm) Rem				s	Core 7	Гор (т)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	С	asing
WOODF														1.20 1.80				
LE LOG																		
WINDOW SAMP.												No visual or o No radiologica Groundwater	narks sample hole com olfactory evidence al readings abovencountered at d upon completi	e of contaminative background re 1.20 to 1.80m by	ion observed. ecorded.			

		VSP					1	WIN	DOW SAMPLE	LOG	Hole		VS 1	06	
	150-182 M50 phone: (SP The Quays) 3SP)161 886 2 ax:			Proj	ect			Woodford Aerodrome	;	Shee		1 of	1	
Job No	7000)4430			Clie	nt			Harrow Estates Plc		Date	2	24-06- 24-06-		
Contract Dynan		ller npling L	td			er Tra	t Used	ompact	Logged By S McGeever	Co-Ordinates (NGR) E 389539.910 N 382717.570		Ground	d Level	,	D)
9	SAMPLES & TESTS STRATA														Install
Depth	Туре	1		HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)		Des	scription			Legend	Geology	Backfi Dia. 50 mm
								0.20	MADE GROUND: CONCRETE.			,		CONC	
0.50	90.50 0.20 90.25 - 0.45								MADE GROUND: Black mottled of fine to coarse subrounded to well (lithologies. Firm reddish brown mottled light of	rounded of brick, clinker and v	elly CLA	AY.		GMG	
	ES D (S)	1,1,2 3,3,3 N=11.	0 0	98				- - - - - - - - - -	Gravel is fine and medium angula (GLACIAL DEPOSITS)	r to well rounded of various lith	nologies	S. [GDU	
	D (S)	2,2,3 3,3,4 N=13.	0				88.70	2.00	2.0m bgl; windowless sample hold	e complete					

S - COMBINED -100914 - UP TO DATE VERSION.GPJ WSP								-									
LOGS		Hole Diame	ter					Recov	very				Water	Strikes			
-ORI	Depth	Diameter (m	ım) R	Remarks	s (Core T	op (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
08 WSP WINDOW SAMPLE LOG WOODFORD											General Rem Windowless s contamination recorded.Grou from 1.00 to 2	sample hole con n observed. No i undwater not en	nplete at 2.0m by adiological read accuntered.Hole	gl. No visual or o ings above bacl installed upon c	olfactory evider ground ompletion. Res	nce of sponse zo	one
08 WSP	Scal	e 1:37.5	Not mai	es: All nual id	dim entif	ensior	ns in m n.	etres. Lo	gs sh	ould be read	n accordance	with the provi	ded Key. Desc	criptions are b	ased on visua	al and	

Hole No. WS107 **WINDOW SAMPLE LOG** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 24-06-14 70004430 Harrow Estates Plc 24-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389469.160 **Premier Tracker Compact** 90.700 Dynamic Sampling Ltd S McGeever N 382680.550

SAI	MPLE	S & TE	STS									STRAT	A				Insta
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen kN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	Dia 50 mn
-							90.53	<u>-ness)</u> - 0.17	MAE	DE GROUND:	CONCRETE				P 4 4 5	CONC	}
0.20			0				90.30		Grav		arse very and	d dark brown s gular to round	slightly gravelly ed of brick, sa	ashy SAND.		GMG	
0.50			0				90.15 90.10	- 0.55 - 0.60	MAE GRA	various litholo DE GROUND: AVEL of sands	Grey sandy fi tone and vari	ous lithologies	very angular to	subrounded	××	GMG GMG	
1.00	D (S)	1,1,2 4,4,4 N=14.	0	80				- - - -(1.15)	Firm	DE GROUND: n becoming stift dy CLAY. Grav logies. (GLAC	f reddish brovel is fine and	vn mottled ligh medium angu	nt grey slightly llar to well rou	gravelly slightly nded of various		GDU	
1.50	ES		0				88.95	- - - 1.75									
							88.70		DEF	dish brown mo POSITS)			ey silty SAND.	(GLACIAL		GDU	
2.00	D (S)	2,2,2 3,4,3 N=12.	0					-	2.0n	n bgl; windowle	ess sample h	ole complete					
								-									
								-									
								-									
								-									
								-									
								-									
								-									
								- -									
								-									
								- - -									
								- -									
								-									
								-									
		Diameter					1	Recov						Strikes			
Depth	Dian	neter (mm)	R	emark	s (Core 1	Гор (m) (ore Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
											No visual or on No radiologic Groundwater	sample hole con olfactory evidend		tion observed.			
Scale	e 1:37	.5				ensio icatio		etres. Lo	ogs sh	nould be read i	n accordance	with the prov	ded Key. Des	criptions are base	d on visu	ual and	

Hole No. **WINDOW SAMPLE LOG WS108** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 24-06-14 70004430 Harrow Estates Plc 24-06-14 Contractor / Driller Method/Plant Used Logged By Co-Ordinates (NGR) Ground Level (m AOD) E 389515.320 Premier Tracker Compact Dynamic Sampling Ltd S McGeever 90.700 N 382664.640 Install / **SAMPLES & TESTS STRATA** Depth HSV (kN/m2) P.Pen (kN/m2) PID (ppmV) Dia. Elev. Test Description Depth Туре Legend Geology 50 (mAOD) (Thick Result mm MADE GROUND: CONCRETE. CONC 0.15 MADE GROUND: Black slightly gravelly SAND with abundant ash. Gravel vis fine and medium very angular to rounded of various lithologies. GMG GMG 0.20 90.40 0.30 MADE GROUND: Light grey mottled brown sandy coarse GRAVEL of predominantly sandstone and brick. 0.40 ES GMG 90.10 0.60 MADE GROUND: Light reddish brown mottled grey sandy GRAVEL. Gravel 0.70 is fine and medium very angular to subangular of predominantly burnt 50 Firm becoming stiff reddish brown mottled light grey slightly gravelly sandy 2,2,3 3,3,4 N=13. 1.00 CLAY. Gravel is fine and medium subangular to rounded of various lithologies. (GLACIAL DEPOSITS) (S) ō (1.40) GDU 1.20 ES 76 ______ 1.50 - 1.60 m bgl; band of light grey fine to coarse sand 100 88.70 2.00 D (S) 2,3,3 4,4,5 N=16. 2.00 2.0m bgl; windowless sample hole complete

08 WSP WINDOW SAMPLE LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ WSPETEMPLATE1.03.GDT 11/1/2/14	-																	
990		Hole D	iameter						Reco	Verv				Water	Strikes			
RD L	Depth	_	ter (mm)	Re	emarks	s (Core T	op (m)	Core Bas		% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
LE LOG WOODFO								-1- (***)										- '0
P WINDOW SAMPI												Groundwater Hole installed	sample hole con ted PID reading al readings abov not encountered upon completion	d. n. Response zo	gl. or below 1ppm. ecorded. ne 1.0 to 2.0m b	gl.	•	
ISW 80	Scale	e 1:37.5	5	Note man	es: All ual id	dime lentif	ensio icatio	ns in m n.	etres. Lo	ogs sh	ould be read	in accordance	with the provi	ded Key. Desc	criptions are ba	ased on visu	al and	

Hole No. **WINDOW SAMPLE LOG WS109** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 24-06-14 70004430 Harrow Estates Plc 24-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389423.950 **Premier Tracker Compact** 90.690 Dynamic Sampling Ltd S McGeever N 382625.980

ES ES D (S)	Test Result 	GIA (Nudd)	HSV (KN/m2)	P.Pen (KN/m2)	Water	Elev. (mAOD) 90.52 90.29 90.19	-ness) - 0.17 - 0.40 - 0.50 - (0.70)	MAE abur brick MAE MAE and	ndant ash. Gra k, clinker and v DE GROUND:	CONCRETE Black mottle avel is fine to various litholo Red fine and Firm brownis	d dark brown s coarse angula gies. medium SAN th grey sandy c	to rounded o	f predominantly	Legend	Geology CONC GMG GMG	Dia 50 mm
ES D (S)	1,1,2 N=5.					90.29 90.19 89.49	0.40 0.50 - - - - - - - - - - - - - - - - - - -	MAE abur brick MAE MAE and	DE GROUND: ndant ash. Gra k, clinker and v DE GROUND: DE GROUND: medium angu	Black mottle avel is fine to various litholo Red fine and Firm brownis	d dark brown s coarse angula gies. medium SAN th grey sandy c	to rounded o	f predominantly		GMG	
ES D (S)	1,1,2 N=5.					90.29 90.19 89.49	0.40	abur brick MAD MAD and	ndant ash. Gra k, clinker and v DE GROUND: DE GROUND: medium angu	avel is fine to various litholo Red fine and Firm brownis	coarse angula gies. medium SAN h grey sandy c	to rounded o	f predominantly			\$25.50 \$25.50 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$1
D (S)	1,1,2 N=5.					89.49	(0.70)	MAE MAE and	DE GROUND: DE GROUND: medium angu	Red fine and	medium SAN		Cravel in fine		GIVIO	
(S)	1,1,2 N=5.						1.20				nded of coal, sa	andstone and	various		CMG	
						89.24	- 1				P. 1.0		OLAN/			
	1,2,2						- 1.45	(SUF	PEŘFICIAL D	EPOSITS)	slightly gravelly				SUPD	
	1,2,1 N=6.		100				- - - - - - - - - - - - - - - - - - -	is fin (GLA	ne and mediun ACIAL DEPOS	n angular to r SITS)	ounded of coal	and various I	CLAY. Gravel thologies.		GDU	
						97.60	- 200	2.70	m bgl; band o	of grey fine ar	nd medium san	d.		-		
	2,3,4					67.09	- 3.00	3.0m	n bgl; windowl	ess sample h	ole complete					
	Dispersion											Western	Okriloo			
				_	0	()			0/ Data : :	D-1-	т:			Otan il		
Diam	eter (mm)	Re	emark	s	Core 1	op (m)	Core Bas	se (m)	% Recovery	General Rer Windowless No visual or No radiologic Groundwater	marks sample hole com olfactory evidenc al readings abov not encountered	nplete at 3.0m b e of contaminat e background n i.	gl. on observed.	Standing	Ca	sing
	Diam	S) 4,4,4 N=16.	dole Diameter Diameter (mm) Ro	dole Diameter Diameter (mm) Remark	dole Diameter Diameter (mm) Remarks 1:37 5 Notes: All dim	dole Diameter Diameter (mm) Remarks Core 1	S) 2,3,4 4,4,4 N=16. Hole Diameter Diameter (mm) Remarks Core Top (m)	At 1:37.5 Notes: All dimensions in metres. Lo	S) 2.3.4 4.4.4 N=16.	S) 2.3.4 4.4.4 N=16. Recovery Diameter (mm) Remarks Core Top (m) Core Base (m) Recovery Notes: All dimensions in metres. Logs should be read	S) 2,3,4 4,4,4 N=16. 87,69 3.00 3.0m bgl; windowless sample h	87.69 3.00 2.3.4 4.4.4 N=16. Annual Content of the Content of	2.3.4 A.4.4 N=16. S) 4.4.4 N=16. Tole Diameter Recovery Water Diameter (mm) Remarks Core Top (m) Core Base (m) Recovery Date Time Strike General Remarks Windowless sample hole complete at 3.0m by No visual or olfactory evidence of contaminating No radiological readings above background regroundwater not encountered. Hole backfilled upon completion.	S) 2.3.4 4.4.4 N=16. Solid blameter	All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visu	S) 2,3,4 4,4,4 N=16. Since the complete representation of the

Hole No. **WS110 WINDOW SAMPLE LOG** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 24-06-14 70004430 Harrow Estates Plc 24-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389418.370 **Premier Tracker Compact** 90.600 Dynamic Sampling Ltd S McGeever N 382579.030 110

	WADI F	-C 0 TE	CTC						CTDATA			Install /
SA	AMPLE	ES & TE	T			-		Depth	STRATA			Backfill
Depth	Туре	Test Result	(DID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	(Thick -ness)	Description	Legend	Geology	Dia. 50 mm
0.10			0				90.45	- 0.15	MADE GROUND: CONCRETE.	440	CONC	
-		•					90.05	(0.40) - 0.55	MADE GROUND: Dark brown mottled black and grey gravelly SAND with frequent ash and occasional cobbles of brick. Gravel is fine to coarse subangular to well rounded of predominantly brick, clinker and sandstone.		GMG	
0.60			0				89.90	0.70	MADE GROUND: Medium dense brownish reddish grey sandy fine to coarse very angular to subrounded GRAVEL of various lithologies.	\Rightarrow	GMG	
1.00	D	3,4,4						(0.50)	MADE GROUND: Medium dense red coarse slightly gravelly SAND. Gravel is fine subangular to well rounded of various lithologies.		GMG	
1.00	(S) ES	3,3,4 N=14. 3,4,4					89.40	-	MADE GROUND: Medium dense yellowish brown slightly gravelly SAND. Gravel is fine subrounded to well rounded of various lithologies.		GMG	
-1.50 -	(S)	3,3,4 N=14.	9.6				89.15	- 1.45 - - -(0.45)	MADE GROUND: Reddish brown fine sandy GRAVEL. Gravel is fine and medium very angular to subrounded of predominantly burnt shale.		GMG	
						1	88.70	1.90	MADE GROUND: Cobbles of red brick.			
2.00	D (S)	1,3,1 1,3,1 N=6.				¥ 1	88.30	-(0.40) - 2.30			GMG	
-						_	87.90	- -(0.40)	MADE GROUND: Dark reddish brown SAND.		GMG	
2.70	ES		1.3				87.60	(0.30)	Firm dark brownish grey slightly sandy organic CLAY (POSSIBLE RELICT TOPSOIL).		SUPD	
3.00	D (S)	1,0,1 1,1,2 N=5.		32				-	Firm grey sandy CLAY. (GLACIAL DEPOSITS)			
-				70				- -(1.00)			GDU	
<u> </u>							86.60	4.00				
4.00	(S)	1,1,1 2,1,2						-	4.0m bgl; windowless sample hole complete			
-		N=6.						-				
-								-				
								-				
<u> </u>								-				
								-				
Hole Diameter						•		Recov	very Water Strikes	•		•

08 WSP WINDOW SAMPLE LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION GPJ WSPETEMPLATE1.03.GDT 11/12/14 Hole Diameter Recovery Water Strikes Diameter (mm) % Recovery Depth Remarks Core Top (m) Core Base (m) Date Time Strike Minutes Standing Casing 2.10 20 2.30 General Remarks Windowless sample hole complete at 4.0m bgl.
Olfactory odour noted and PID readings recorded up to 9.6ppm.
No radiological readings above background recorded.
Groundwater encountered at 2.10 - 2.30m bgl.
Hole installed upon completion. Response zone 0.5 to 2.0m bgl.

		VSP SP					1	WIN	D	OW SA	AMPLE	E LOG		Hole No.	WS1	11	
	50-182 ⁻ M50 hone: 0	SP The Quays) 3SP) 161 886 2 ax:			Proje	ect			٧	Voodford /	Aerodrom	е		Sheet	1 of	1	
Job No	7000)4430			Clie	nt				Harrow Es	states Plc			Date	25-06- 25-06-		
Contracto	r / Dri	ller		Met	:hod/	Plan	t Used		L	ogged By		Co-Ordina	ates (NGR)	Grou	ınd Leve	(m AC	D)
Dynami	ic Sar	npling L	td	Pr	emie		icker Co 110	ompact		S McG	eever		389602.110 382868.400		90.6	690	
SA	MPLE	S & TE	STS									STRAT	4				Instal Backf
Depth	Туре	Test Result	PID (bpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	Dia. 50 mm
0.20	ES		165.4				90.49 90.44 90.24	-ness) 0.20 0.25 - 0.45	0.19 MAI fine Med	to coarse sub- lium dense bro n to stiff brown	g hydrocarbon Brown clayey angular and so ownish red me slightly grave	gravelly SANI ubrounded of pedium SAND. (Ily slightly sand	D with an oily shoredominantly lin GLACIAL DEPO dy CLAY. Grave	nestone. OSITS) I is fine very		TARMAC GMG GDU	
1.00	D (S)	1,1,2 2,2,2 N=8.		60				- - - - - - -	ang	ular to subrour	nded of variou	s lithologies. (ĞLACIAL DEPC	OSITS)	0		
- 2.00	D (S)	2,3,3 3,4,5 N=15.		80				- (3.25)								GDU	
- 3.00	D (S)	3,4,6 7,7,7 N=27.				4		- - - - -									
3.70	ES					₹	86.99 86.79	3.70	Med	lium dense ligl	nt brown fine a	and medium S	AND. (GLACIAL	DEPOSITS)		GDU	
4.00	D (S)	2,3,3 4,5,9 N=21.		110			00.73	(1.10)		brown slightly POSITS)	sandy CLAY	with occasiona	al sand bands. (GLACIAL		GDU	
- 5.00	(S)	4,5,4 6,9,10 N=29.					85.69	5.00	5.0n	n bgl; windowl	ess sample ho	ole complete					
	Hole	Diamete	r					Recov	/erv				Water St	rikes			
Depth	\neg	neter (mm	_	emarl	ks	Core ⁻	Top (m)			% Recovery	Date	Time	Strike 3.70	Minutes	Standing	Ca	asing
3.70 -4.00 -5.00 Depth							ons in me				Strong hydrod No radiologica Groundwater	sample hole com carbon odour and al readings abov not encountered	plete at 5.00m bg d sheen noted bel e background reco n. Response zone	ow asphalt at 0. orded.			

Hole No. **WINDOW SAMPLE LOG WS112** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 24-06-14 70004430 Harrow Estates Plc 24-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389688.270 **Premier Tracker Compact** Dynamic Sampling Ltd J Watson 91.200 N 382916.370 110 Inetell /

SA	MPLE	S & TE	STS									STRAT	A				Insta Back
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Dia 50 mn
							91.00		mad	le ground: Re	inforced CON	ICRETE			P 4 4 5	CONC	M
0.30-0.50	ES		0					(0.50)		DE GROUND: angular GRAV		sandy clayey fi ne.	ne to coarse a	angular to		MG	
0.70-1.00	ES		0				90.50	(0.30)	Firm	dark brown s	andy slightly (s lithologies. (gravelly CLAY POSSIBLE RE	. Gravel is fine	e and coarse OIL)	1/ 1/1/	SUPD	
1.00-1.20	ES (S)	1,1,2 2,1,2 N=7.	0	50 58 64 50			90.20	[(0.90)	pred	n medium strei lominantly fine logies. (GLAC	and medium	andy slightly g subangular to ГЅ)	ravelly CLAY. rounded of v	Gravel is arious		GDU	
				46			89.30 89.20		0		OAND (O	A OIAL DEDO	OITO)			GDU	
2.00	(S)	1,1,1 1,2,2 N=6.						(0.65)	Soft	brown verv sa	andv sliahtly a	_ACIAL DEPC rravelly CLAY. nded of various	Gravel is pre	dominantly fine GLACIAL		GDU	
							88.55 88.40		Soft	brown slightly	sandy slightl	y gravelly CLA	Y. Gravel is p	predominantly	0	GDU	
							00.40		fine	and medium s	subangular to	rounded of va	rious lithologi	es. (GLACIAL	<u> </u>		
_ 3.00		2,2,2					88.10	_(0.30) 3.10	Med	ium dense ora		ayey gravelly				GDU	
	(S)	3,4,4 N=13.		46 46				- - - -	Vitho Firm pred	logies. (ĞLAC ı medium strei	IAL DEPOSI ngth brown sli and medium	ightly sandy sli subangular to	ghtly gravelly	CLAY. Gravel is			
- 4.00	(S)	2,3,3 4,4,4 N=15.		58 46												GDU	
5.00	(S)	3,3,4 4,6,9 N=23.		48 60 50 70			85.75	-								GDU	
								-	5.45	m bgl; window	viess sampie	complete					
	Holo	Diamoto	<u></u>					Possi	(OP.				Motor	Strikes	<u> </u>		
Depth		Diameter neter (mm)	т —	emark	s	Core 7	Гор (m)	Recov Core Bas		% Recovery	Date	Time	Strike		Standing	Ca	sing
		. ,							,	,	contamination Groundwater	sample hole con n observed. No encountered as	radiological read damp soil at 1.	bgl. No visual or olf dings above backgr 9m bgl. Hole installe	ound record	ded.	
Scal	e 1:37	.5		es: Al nual id				etres. Lo	gs sh	ould be read i		ne 0.95 to 4.95r		criptions are base	ed on visu	ıal and	

Hole No. **WINDOW SAMPLE LOG WS113** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 24-06-14 70004430 Harrow Estates Plc 24-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389727.930 N 382897.130 **Premier Tracker Compact** 91.580 Dynamic Sampling Ltd J Watson

SA	MPLE	S & TE	STS					Donth				STRAT	A				Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Di 50 mi
							91.53 91.18	0.05/ (0.35)		DE GROUND: DE GROUND:		fine to coarse	e angular GRA	VEL.		TARMAC GMG	
0.50-0.60	ES	÷	0				90.88	(0.30)	GR/	DE GOUND: DE GOUND: DE AVEL with ash coal.	Park grey and and cobbles	black very sar of brick and s	ndy fine and m andstone. Gra	edium angular vel of clinker		GMG	
							90.58	_ (0.30) 1.00		DE GROUND: vel is fine and			nd coarse grav	velly SAND.		GMG	
2.00-2.20	ES (S)	0,1,1 1,1,2 N=5.	0	50 48 40 52			89.38	- - - -(1.20) - -	grey	DE GROUND: rish brown san medium suba	dy slightly gra	velly CLAY. C	ngth reddish br Gravel is predo s lithologies.	rown mottled minantly fine		CMG	
	,	N=8.		16			89.08	_ _(0.30) 2.50		dark brown ve SSIBLE RELI			h frequent roo	tlets.	<u> </u>	SUPD	
				30 30				(0.50)	Grav		nantly fine and	d medium sub		gravelly CLAY. nded of various		GDU	
3.00	(S)	2,3,2 3,3,2 N=10.		56			88.58	3.00	No r	recovery							
								_(0.90) _								NR	
4.00	(S)	2,3,3 4,4,3 N=14.					87.68	3.90	Soft	greenish grey	sandy CLAY	. (GLACIAL D	EPOSITS)			GDU	
							87.08 86.98		$\overline{}$	ngish brown fil						GDU	
5.00	(S)	2,3,4 4,4,5						- - - (0.85)		greenish grey) m bgl; firm m	•	•	EPOSITS)			GDU	
		N=17.					86.13	- - 5.45 - -	5.45	im bgl; windov	vless sample	complete					
	Hole	Diamete						Recov	/erv				Water	Strikes			
Depth	Dian	neter (mm	R	emark	s (Core 7	Top (m)	Core Bas		% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sin
Depth				emark	s	Core 1	Top (m)	Recov Core Bas		% Recovery	General Ren Windowless contamination	narks sample hole cor	Strike Strike		facto	ry evid	ry evidence of
											5.0m bgl.				· 		
Scal	le 1:37	.5		es: Al nual id				etres. Lo	gs sh	nould be read i	n accordance	with the prov	iaea Key. Des	criptions are bas	sed on visu	ial and	

ဂ္ကါ													
إق		Hole Diameter			Recovery				Water	Strikes			
280	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Cas	sing
LE LOG WOODF													
VINDOW SAMPL							contamination	sample hole con n observed. No i	nplete at 5.45m l radiological read d . Hole installed	ings above back	kground record	ed.	0

Hole No. **WINDOW SAMPLE LOG WS114** Sheet Project M50 3SP Telephone: 0161 886 2400 Woodford Aerodrome 1 of 1 Fax: Job No Client Date 24-06-14 70004430 Harrow Estates Plc 24-06-14 Contractor / Driller Method/Plant Used Logged By Co-Ordinates (NGR) Ground Level (m AOD) F 389750 020 Premier Tracker Compact Dynamic Sampling Ltd J Watson 91.540 N 382857.500 Install **SAMPLES & TESTS STRATA** Depth PID (ppmV) Dia. Elev. Test HSV Depth Description Legend Geology 50 (mAOD) (Thick Result mm MADE GROUND: ASPHALT 91.49 0.05 GMG 91.29 MADE GROUND: Orange brown sandy clayey fine to coarse angular 0.25 GMG 0.30-0.40 ES 0 91.12 0.42 MADE GOUND: Dark grey and black very sandy fine and medium angular GRAVEL of ash clinker and coal with some vesicular slag brick and 90 0.50-0.60 ES 0 -(0.33)CMG sandstone 90.79 0.75 ASSUMED MADE GROUND: Stiff greenish grey mottled brown sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse of 60 0.80-1.00 ES 52 brick and various lithologies 1.00 2,3,2 3,3,3 N=11. ASSUMED MADE GROUND: Firm locally soft moderate strength reddish (S) brown and light grey slightly sandy slightly gravelly CLAY. Gravel is fine and medium rounded of various lithologies. 34 58 42 (1.85) CMG 1.70 - 1.90 m bgl; becoming stiff high strength 90 1.90 - 2.60 m bgl; becoming firm medium strength 2.00 (S) 46 46 Firm reddish brown clayey amorphous PEAT. (POSSIBLE RELICT SUPD (TOPSOIL) Medium dense yellowish brown medium SAND. (GLACIAL DEPOSITS)

3.00 3.00

WSPETEMPLATE1

TO DATE VERSION.GPJ

WINDOW SAMPLE LOG WOODFORD LOGS - COMBINED -100914 - UP

08 WSP

4.00

5.00

(C)

(C)

(C)

2,3,4 6.7.6

ביייטט - טניי	- - -								-									
2		Hole	Diameter						Reco	very				Water	Strikes			
ל	Depth	Dian	neter (mm)	R	Remark	s	Core 7	Гор (т)	Core Ba	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
LE LOG WOOD!														3.40				
יייבט יייטטעוווע												contamination	ample hole com observed. No r	adiological read	bgl. No visual or ings above back 3.4m bgl. Hole b	kground record	ded.	ion.

5.45m bgl; windowless sample complete

3.50 - 4.40 m bgl; becoming greenish grey3.70 - 4.00 m bgl; becoming clayey

DEPOSITS)

(1.05)

Soft becoming firm low strength reddish brown sandy CLAY. (GLACIAL

GDU

GDU

Hole No. **WINDOW SAMPLE LOG WS115** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 24-06-14 70004430 Harrow Estates Plc 24-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389801.090 **Premier Tracker Compact** 91.180 Dynamic Sampling Ltd J Watson N 382754.460

SA	MPLE	S & TE	STS									STRAT	A				Insta Back
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	Dia 50 mn
							90.98	-ness) - 0.20 0.30		DE GROUND:			atly clayey fine	to coarse	P 6 4 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CONC	8
0.30-0.50	ES		0				90.68	0.50	grav	vel sandstone. DE GOUND: D	Dark grey and	black very sar	ndy fine and m	edium angular		MG	1
				70			90.48	0.70	GRA	AVEL with fred sandstone.	quent ash. Gra	ivel of clinker	and coal with	some slag, brick		MG	
0.80-1.00 _ 1.00	ES	2,3,2	0	78				_	MAI	DE GROUND: DE GROUND: wn sandy grav	Firm locally s	tiff medium str	rength locally l				
	(S)	3,3,3 N=11.		60				(1.05)	clink	ker slag, coal a	and brick.					MG	
								- - -	1.40) - 1.50 m bgl;	sandstone co	bble					
1.80-1.90	ES		0				89.43 89.28	1.75		wn slightly clay		edium and coa	arse SAND (P	OSSIBLE		SUPD	
2.00	(C)	1,1,2 1,2,3 N=8.		54				_ - -	grav	n medium stre velly CLAY. Gr ogies. (GLACI	avel is fine an	d medium rou	grey slightly sanded to subar	andy slightly ngular of various			
		IN-O.		50				- - -	IIIIIIC	ogies. (GLACI	AL DEPOSIT	>)					
				50				- - -									
3.00		1,2,3		60				(2.05)								GDU	
	(S)	2,3,4 N=12.		60				- -									
				76				-									
				68 50			87.23	- - 3.95	_	l: da			CAND (CLA	CIAL			
4.00	(S)	1,1,2 3,5,6 N=16.				<u>_</u>		- -(0.65)		dium dense ora POSITS)	angish red line	e and medium	SAND. (GLA	JIAL		GDU	
							86.58	4.60		Local d'ala la com		d P . b.0		V Ossalia fina			
							86.28	(0.30) 4.90	and	medium roun POSITS)	ded to subang	ular of various	s lithlogies. (G	Y. Gravel is fine LACIAL		GDU	
5.00	(C)	8,8,9 10,10,10 N=39.						_ _(0.55)	Den	ise orange red	I fine and med	ium SAND. (G	BLACIAL DEP	OSITS)		GDU	
							85.73	- - 5.45 -	5.45	5m bgl; windov	vless sample	complete					
								-									
	Hole	Diameter						Reco	very				Water	Strikes			
Depth	Dian	neter (mm)	R	emark	s	Core 7	Top (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike 4.20	Minutes	Standing	Ca	asing
											contamination	sample hole con n observed. No i encountered at	radiological read	bgl. No visual or olfa lings above backgro installed upon comp	und recor	ded.	one
Scal	e 1:37	.5				ensio		etres. Lo	ogs sh	nould be read	in accordance	with the provi	ded Key. Des	criptions are base	ed on visu	ual and	

က္ကါ																		
ğ[Hole	Diameter						Recov	very				Water	Strikes			
ORD	Depth	Dian	neter (mm)	Re	marks	(Core T	op (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Cas	sing
LOG WOODF														4.20				
WINDOW SAMPLE												contamination	ample hole com observed. No rencountered at	adiological read	ings above back	ground record	ed.	one

≱ WSP	WIN	DOW SAMPLE		Hole	No. WS116
WSP 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome		Shee	et 1 of 1
Job No 70004430	Client	Harrow Estates Plc		Date	24-06-14 24-06-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	(Ground Level (m AOD)
Dynamic Sampling Ltd	Premier Tracker Compact 110	J Watson	E 389853.900 N 382704.600		89.250

SA	MPLE	S & TE	_									STRAT	A				Insta Back
Depth	Туре	Test Result	PID (bpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				С	escription			Legend	Geology	Dia 50 mn
							89.10	-ness) - 0.15	MAI	DE GROUND:	ASPHALT.					TARMAC	
0.20-0.40	ES	٠	0					-		DE GROUND: rse angular GF			ndy slightly cla	ayey fine to			
- 1.00	(C)	1,2,1 2,2,2 N=7.						-									
1.50-1.70	ES	٠	0					_ _(2.85) _								MG	
2.00	(C)	1,2,1 2,2,2 N=7.						- - - -									
2.50-2.70	ES		0			1		-									
3.00	(C)	6,6,4 4,3,3 N=14.				<u></u>	86.25	(0.50)		DE GROUND: estone.	Orangeish b	rown fine to co	parse angular	GRAVEL of		MG	
3.50-3.80	ES		0				85.75	3.50	MAI coai	DE GROUND: rse of limeston	Very soft ver e.	y gravelly sand	dy CLAY. Gra	vel is fine to		MG	
4.00	(C)	1,1,1 1,1,1 N=4.					85.25	4.00	Loo: DEF	se orangish br POSITS)	own slightly c	layey fine and	medium SAN	ID. (GLACIAL			
4.50-4.70	ES		0					_ _ _ _(1.45)								GDU	
5.00	(C)	2,3,3 3,3,3 N=12.						- - -) m bgl; becom	ning medium	dense					
							83.80	- 5.45 - - -		ōm bgl; windov	less sample	complete			<u> </u>		
	Hole	Diamete	r					Recov	verv				Water	Strikes			
Depth		neter (mm)		emark	s	Core 7	Гор (т)			% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
											contaminatio Groundwater	sample hole cor n observed. No encountered at	radiological read	bgl. No visual or c dings above back installed upon con	ground record	ded.	
Scal	le 1:37	.5				ensio		etres. Lo	ogs sh	nould be read i	1.0 to 4.0m b		ided Key. Des	criptions are ba	sed on visu	ıal and	

Hole No. **WS117 WINDOW SAMPLE LOG** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project 1 of 1 Woodford Aerodrome Fax: Job No Client Date 25-06-14 70004430 Harrow Estates Plc 25-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389726.310 **Premier Tracker Compact** 90.380 Dynamic Sampling Ltd S McGeever N 382750.000

SA	MPLE	S & TE	STS									STRAT	-A				Inst
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)		1		Г	Description			Legend	Geology	D 5
							90.30	(0.57)	MAE of pr	DE GROUND: DE GROUND: redominantly b	Reddish bro	wn sandy GRA	VEL and occa	asional cobbles		TARMAC GMG	
1.00	D (S)	1,1,2 1,2,1 N=6.					89.73 88.98	- - - (0.75)	MAE	oles. Gravel is	predominant					GMG	
2.00	D (S)	1,2,2 3,3,4 N=12.						- - - - - - - - - - - - - - - - - - -				Firm to stiff red ce of underlyin		.AY. Assumed		CMG	
2.90 3.00	ES D (S)	1,1,1 2,1,2 N=6.					87.53 87.38 87.03	3.00 - -(0.35) - 3.35	Soft angu	ular of predom	rey slightly sa inantly muds	ndy slightly gra	(SUPERFICIA	AL DEPOSITS)		SUPD SUPD SUPD	
.00	D (S) ES	1,1,1 2,1,2 N=6.				1	86.58	-(0.45) - 3.80 		t brownish gre	ey very sandy	organic CLAY	'. (SUPERFICI	IAL DEPOSIT)	- <u>-</u> - <u>-</u>	SUPD	
5.00	(S)	2,3,3 3,3,4 N=13.					85.38	5.00		dowless samp	ole hole comp	olete at 5m bgl			- <u>+</u>		
	Hole	Diamete	r					Reco	very				Water	Strikes			
Depth	Diam	neter (mm) R	emark	s	Core 7	Гор (т)	Core Ba	se (m)	% Recovery	Date	Time	Strike 4.30	Minutes	Standing	Ca	sing
											No visual or No radiologio Groundwate	sample hole con olfactory evidence cal readings above rencountered at	ce of contaminative background r	tion observed.			
Scal	e 1:37	.5				ensio		etres. Lo	ogs sh	nould be read i	n accordance	e with the prov	ided Key. Des	criptions are base	ed on visu	ual and	

Hole No. **WINDOW SAMPLE LOG WS118** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 25-06-14 70004430 Harrow Estates Plc 25-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389714.300 **Premier Tracker Compact** Dynamic Sampling Ltd S McGeever N 382718.970 91.140 110

SAN	/PLE	S & TE	STS									STRAT	Α				Insta Back
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen kN/m2)	Water	Elev. (mAOD)	Depth (Thick			D	escription			Legend	Geology	Dia
0.15 0.20	ES	:	0	108)		91.04 91.02 90.89 90.79	0.25	MAD Suba MAD Firm CLA	DE GROUND: angular GRAV DE GROUND: locally soft br Y. Gravel is fil	Light grey su Black slightly EL with frequ Reddish brown rown mottled the and mediu	sandy fine and ent ash. Grave vn sandy GRA grey and light to m angular to s	d medium ver el is coal. VEL of predo prown slightly	minantly brick.		TARMAC GMG GMG GMG	ļ.,
1.00	D (S)	1,1,2 3,4,5 N=14.	0	45				-	lithol	logies. (GLAC	IAL DEPOSI	(8)				CDII	
				32				_(2.20) - -								GDU	
2.00	D (S)	2,3,3 4,5,5 N=17.		55				- - - - -									
2.60	ES						88.59 88.44	- - 2.55 - 2.70	Light	t grey medium	n SAND. (GLA	CIAL DEPOS	ITS)		-0	GDU	
2.00	D 2,3,2 0						00.44	-	Soft pred	and firm grey omiantly coal.	slightly sandy (GLACIAL D	gravelly CLA` EPOSITS)	Y. Gravel is fir	ne angular of			
3.00	D (C)	2,3,2 3,3,4 N=12.	0	38												GDU	E E E E E E E E E
				50			87.14	4.00							-0_		\$250 \$250 \$250 \$250 \$250 \$250 \$250 \$250
4.00	D (C)	2,3,3 4,3,5 N=15.					86.94	4.20	Stiff	reddish browr	n gravelly CLA	AND. (GLACIA	ne and mediu			GDU	
				76				- -(0.80) -	Subr	ounded or var	ious lithologie	s. (GLACIAL [DEPOSITS)			GDU	KESTER STEET
5.00	(C)	6,9,9 9,11,10 N=39.					86.14	5.00	5.0m	n bgl; windowl	ess sample h	ole complete					
								- - - -									
	Hole	Diamete	r					Recov	very				Water	Strikes			
Depth	Diam	neter (mm)	R	emark	s (Core 1	Top (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
											No visual or on No radiologic Groundwater	narks sample hole com olfactory evidence al readings above not encountered d upon completion	e of contaminate background r	tion observed.			
Scale	1:37	.5		es: All				etres. Lo	gs sh	ould be read i	n accordance	with the provi	ded Key. Des	criptions are base	d on visu	ual and	

Hole No. **WINDOW SAMPLE LOG WS119** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 25-06-14 70004430 Harrow Estates Plc 25-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389798.900 **Premier Tracker Compact** Dynamic Sampling Ltd S McGeever 90.480 N 382640.950

SA	MPLE	S & TE	STS									STRAT	A				Ins Bad
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			С	escription			Legend	Geology	Di 5 m
0.05	ES						90.30	,	MAE	DE GROUND:	Brown claye	SAND with ro	ootlets. (TOPS	SOIL)	XX	MG	
).20			0				89.93	(0.37)				lly SAND. Gra coal mudstone				GMG	
							00.00	(0.55)				slightly gravelly nded of predor				GMG	
1.00	D (S)	1,2,3 3,4,7 N=17.		55			89.38	1.10	is fin	to stiff light one and medium	rangish grey : n subangular	slightly gravelly to rounded of	y slightly sand various litholo	y CLAY. Gravel gies. (GLACIAL		GDU	
				60		1	88.73	- - 1.75		- Palet	o di co OANE	(OLAGIAL D	EDOOITO)				
1.80	ES							(0.45)	L008	se light grey m	iedium SANL). (GLACIAL D	EPOSITS)			GDU	
2.00	D (C)	1,1,1 2,1,2 N=6.		30			88.28	L` '	0-#	1	: di	alath canada Cl	AV (OL A OLA	L DEDOCITO)		GDO	
		14 0.						-	Soit	iow strength i	ignt brown sii	gntiy sandy CL	AY. (GLACIA	L DEPOSITS)			
								-(0.60)								GDU	
							87.68	2.80									
							87.48	3.00				Gravel is fine ies. (GLACIAL		subangular to	0	GDU	
3.00	D (C)	1,1,2 3,5,7 N=17.					87.13	- -(0.35) - 3.35				sandy CLAY. (GLACIAL DEP		and medium		GDU	
								-	Med	ium dense lig	ht orangish re	eddish brown S	AND. (GLACI	AL DEPOSITS)			
								E									
								(1.15)								GDU	
1.00	D (C)	2,3,3 4,3,4						Ł I									
		N=14.					05.00	4.50									
							85.98	4.50				ayey SAND. (0	GLACIAL DEF	POSITS)	<u> </u>		
1.60	ES	•						(0.50)	4.50	m bgl; strong	g hydrocarbor	odour.				GDU	
							85.48	5.00									
5.00	D (C)	1,2,3 1,1,1 N=6.						-	5.0m	n bgl; windowl	ess sample h	ole complete					
								-									
		<u> </u>												01.11			
Depth		Diameter neter (mm	_	emark	s	Core 7	Top (m)	Recov Core Bas		% Recovery	Date	Time	VV ater Strike	Strikes Minutes	Standing	Ca	asing
		(1. ()		- ()				1.75				3
											Strong hydro No radiologic Groundwater	sample hole con carbon odour en al readings abov encountered at	countered at 4.5 e background r 1.7m bgl.	50m bgl.			
	-	.5	Not	۰۰۰ ۸۱	l dim	oncio	ne in m	atroe Lo	ac ch	ould be read i	in accordance	with the provi	ided Key Dec	criptions are base	ad on vier	ıal and	

ဖ္က၂																		
ĕ		Hole	Diameter						Reco	very				Water	Strikes			
ORD	Depth	Diam	neter (mm)	Rem	arks	С	Core T	op (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
LOG WOODF														1.75				
WINDOW SAMPLE												Strong hydrod No radiologica Groundwater	cample hole com carbon odour end al readings abovencountered at	countered at 4.5 e background re 1.7m bgl.	0m bgl.	gl.		
뚰														=				

		NSP						WIN	ID	OW SA	AMPLE	E LOG	i	Hole	e No.	/ S12	20	
	150-182 M50 ephone:	The Quays 0 3SP 0161 886 2 ax:			Proj	ect			٧	Voodford A	Aerodrom	e		She		1 of	1	
Job No	7000	04430			Clie	nt				Harrow E	states Plc			Dat	2	5-06- 5-06-		
Contract	or / Dr	iller					t Used			ogged By			ates (NGR)		Ground	Level	(m AO	D)
Dynan	nic Saı	mpling L	td	Pre	emie		acker C 110	ompac	t	J Wa	tson		389450.570 382808.170			90.5	570	
S	AMPLI	ES & TE	STS									STRAT	'A					Install a
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)				escription			L	Legend	Geology	mm
0.20-0.40	ES		0				90.47 90.37 90.17	0.20	MAI MAI	DE GOUND: D	Reinforced Coark grey and I	black very sai	ndy fine and med	dium ang	-	A 4 0	TARMAC CONC MG	
0.60-0.80	ES		0			⊉	90.02	- 0.55 - -	Sand MAI GRA	dstone. DE GROUND: AVEL of sands	Orange brown	n clayey sand	y fine to coarse	subangu	ılar / -	X X	MG	
1.00-1.45	D (S)	2,3,3 3,1,1 N=8.				\ \		_	sligh	ntly gravelly C		s fine to coars	wn mottled grey e rounded to su			<u>-</u>		
1.40-1.60	ES		0					-							-			
	D (S)	1,2,1 2,2,2 N=7. 2,2,3 3,3,4 N=13.		52 52 64 52 62 56 46 50 50 54				-(4.90)	3.70	ı m bgl; becom	ning stiff clay						GDU	
4.00-4.45	D (S)	3,3,4 3,4,5 N=16. 3,4,4 4,5,6 N=19.		76 96 76				- - - - - - - - - - - - - - - - - - -										
-							85.12	- 5.45 -	5.45	m bgl; windov	vless sample o	complete				· <u> </u>		
					<u> </u>													
Depth		Diamete meter (mm		emark	(S	Core	Top (m)	Reco		% Recovery	Date	Time	Water S Strike	trikes Minutes	s Str	anding	Ca	asing
_ 5501					-		-12 (2.7)		- (***)			0	0.90			·3		
											contamination	ample hole cor observed. No encountered at	nplete at 5.45m bg radiological readin 0.9m bgl. Hole ins	gs above	backgroun	nd record	ded.	one
Sc	ale 1:37	7.5				nension fication		etres. Lo	ogs sh	nould be read i	n accordance	with the prov	ided Key. Descr	iptions a	re based	on visu	ial and	

Hole No. **WINDOW SAMPLE LOG WS121** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 25-06-14 70004430 Harrow Estates Plc 25-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389446.480 N 382776.710 **Premier Tracker Compact** Dynamic Sampling Ltd 90.660 J Watson

SA	MPLE	S & TE	STS				STRATA Insta Back										
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	.Pen V/m2)	Water	Elev. (mAOD)	Depth (Thick			D	escription			Legend	Geology	
		Result	_ @	고호	교호	5		-ness)								TA D144	mm
							90.56		$\overline{}$	DE GROUND: DE GROUND:		CONCRETE			A 4 4	TARMAC CONC	
0.30-0.50	ES						90.36	0.30				wn slightly clay	rev medium SA	AND.		1	
		·					90.11	- 0.55					•		\longrightarrow	MG	
0.60-0.80	ES			60				-	Stiff CL A	locally firm high	gh strength re	eddish brown s	lightly sandy s	lightly gravelly rious lithologies			
				100					(GL	ACIAL DEPOS	SITS)		g				
_ 1.00-1.20	ES	1,2,2		90				-							_°		
	(S)	3,3,3 N=11.		100				-								1	
				106				- -							-0.		100
				110				-									翠
								- 1									2
				100				-								1	X
2.00	(S)	1,2,2 2,3,2						-									
	(0)	N=9.						(3.40)							-	GDU	郑
				100				-									
				100				-									68
				102				-									
3.00		2,3,3						-							-0.		
5.00	(S)	4,3,4 N=14.		106				-									
		14.						-							-0		
				80				-									
				78				-									22
				70			86.71	- 3.95									22
4.00	(S)	2,2,3 2,2,3				1		-		lium dense red POSITS)	ddish brown fi	ne and mediu	m SAND. (GLA	ACIAL			
	(3)	N=10.				<u>-</u>		-		,							
								_ _(1.05)								GDU	
								-`									
								-									8
_ 5.00		000					85.66	5.00	Ctitt	roddiob broug	a aliabthy again	h, aliabth, aray	ally CLAV Cre	aval ia fina ta			6
5.00	(S)	2,3,3 4,4,5 N=16.						- (0.45)	coar	se rounded to	subangular o	ly slightly grave of various lithol	logies. (GLAC	IAL DEPOSITS		GDU	
		N=16.					85.21	F`								GDO	
							05.21	- 0.40	5.45	m bgl; windov	vless sample	complete					W-V-
					<u></u>			_			Г						
Depth		Diameter neter (mm)	т —	emark	s	Core 7	Гор (m)	Recov Core Bas		% Recovery	Date	Time	Water Strike	Strikes Minutes	Standing	Ca	asing
	Diali	.5.51 (11111)		ui N		2010	. ~ (''')	_0.0 000	~ (111)	,	5410	10	4.20		Canaling		y
											General Rer	narks					
											Windowless	sample hole con	nplete at 5.45m l radiological read 4.2m bgl. Hole b	bgl. No visual or o lings above backo pack filled upon c	olfactory evid pround recore ompletion.	dence of ded.	
										ould be read							

\																	
	Hole	Diameter						Reco	very				Water	Strikes			
Depth	Diar	neter (mm)	R	Remark	s	Core 7	Гор (т)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
													4.20				
2																	
											General Rem	narks					
											contamination	observed. No r	adiological read	bgl. No visual or lings above back back filled upon o	ground record	ence of led.	

Hole No. **WINDOW SAMPLE LOG WS122** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 25-06-14 70004430 Harrow Estates Plc 25-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389388.410 **Premier Tracker Compact** Dynamic Sampling Ltd 90.710 J Watson N 382732.330

SAI	MPLE	S & TE	STS									STRAT	A				Ins Ba
Depth	Туре	Test Result	PID (bpmV)	HSV (kN/m2)	P.Pen kN/m2)	Water	Elev. (mAOD)				С	escription			Legend	Geology	/ 5 m
			\vdash	_ =			90.63	-ness) 0.08	NAAF	DE GROUND:	ACDUALT					TARMAC	
							90.63	F I	_	DE GROUND:		CONCDETE			P 4 4 0	CONC	
							30.43	0.22	$\overline{}$						\wedge	MG	
0.30-0.50	ES		0				90.31	0.40				black sandy fin avel is clinker,			\triangle	IVIG	
								- I		dstone.	uent asn. Gr	avei is cilliker,	coai, siag, bri	ick and	$^{\prime}$		
								(0.50)			Doddieh brox	un eliabtly elay	rov sandy GP	AVEL of fine and		MG	
0.70-0.90	ES		0					[(0.50)				e, and occasion		AVEL OF THE AND	$\langle \times \rangle$	IVIG	
0 0.00		•	"			1	89.81	0.90		ilani banabion	o, barrit oriaic	, and occasion	iai ooai.		XX		
						▼			MAE	DE GROUND:	Loose reddis	h brown sandy	fine to coars	e GRAVEL of	$\times \times$		1.
.00-1.45	ES	1,2,3 1,2,2				_		-	crus	hed brick.					$\langle X \rangle$		
	(S)	1,2,2 N=8.						-(0.60)								MG	
								F							XX		
							89.21	1.50							\sim		1
								- 1				ish brown san	dy gravelly C	LAY.			Æ
								(0.50)	(SU	PERFICIAL D	EPOSITS)					SUPD	120
				24				(0.50)							F .—	SUFD	160
							88.71	2.00							0		Ŕ
.00	(0)	3,2,1						-						gravelly CLAY.			K
	(S)	2,2,2 N=7.						- I				d to subangula	r of various lit	hologies.			19
.30-2.50	ES							†	(GL/	ACIAL DEPOS	0110)				F		16
		•						[-°		
				60				(1.20)								GDU	K
				50				F,	2 70	m hali haas	ing brown ==	d cand:					19
								-	2.70	m bgl; becom	iing brown ar	iu sariuy					16
				48				Ė l									
.00-3.45	ES	3,4,4						[l							-0		X
	(S)	4,3,3 N=14.					87.51	3.20	Dani	vn fine SAND.	(OLACIAL D	EDOCITO)			 		-100
							87.31	3.40			•					GDU	þ
				30			87.11	3.60		osoft low strer	igth dark grey	brown sandy	gravelly CLA	Y. (GLACIAL	-0	GDU	5
									$\overline{}$		wn fine SAN	D. (GLACIAL I	DEPOSITS)				16
								-	IVICU	idili delise bie	, , , , , , , , , , , , , , , , , , ,	B. (OL) TOIT L	DEI GOITO)				
								-									X
.00-4.45	ES	2,2,3						(0.85)								GDU	120
	(S)	3,3,4															16
		N=13.						-									
							86.26	- 4.45									50
								ĖΙ	Win	dowless samp	le complete a	at 4.45m bgl					
								-									
								-									
								-									
								- 1									
								-									
								-									
								- 1									
	_	Diameter				_		Recov			_	T		Strikes	_		
Depth	Dian	neter (mm)	R	emark	s (Core 7	op (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asin
													1.00				
											General Rer	narks	1	1			
														bgl. Slight olfactory			
														to 1.2m bgl. No radio ered at 1.0m bgl. Ho			ove
										1	- Juonground I	Journal Or Gull		orou at nonn byn 110	III ISTAIIC	. apon	
											completion. F	Response zone 0	0.5 to 1.5m bgl.	•			
														scriptions are base			

řń												
9	ŀ	Hole Diameter			Recovery				Water	Strikes		
SE SE	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
Ž									1.00			
Š												
<u>ر</u>												
ij												
₹							General Rem	narks				
₹							Windowless	sample hole com	nlete at 4.45m l	ad Slight alfact	on, evidence of	
S							hydrosorbon	contamination of	hoon and at 1.0 to	ogi. Oligi it Oliacii	adialogical road	ingo obovo
≥												
\preceq								ecorded. Ground		red at 1.0m bgl.	Hole installed t	pou
Ħ							completion. R	desponse zone 0).5 to 1.5m bgl.			
=												

Hole No. WS123 **WINDOW SAMPLE LOG** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 25-06-14 70004430 Harrow Estates Plc 25-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389259.750 **Premier Tracker Compact** Dynamic Sampling Ltd 89.590 J Watson N 382671.230

SA	MPLE	S & TE	_					D				STRAT	Ά				Insta Back
Depth	Туре	Test Result	PID (bpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Dia
							89.54	0.05	MAE	DE GROUND:	Concrete pa	ving slab.				CONC	M
0.20-0.30	ES		0				<u>89.47</u> /	0.12/ - - - -(0.78) -	MAE	DE GROUND:	Brown clayey	vn coarse SAN / ashy SAND a rick, concrete	and fine to coa	rse angular nics.		MG	
							88.69	0.90									J ⊨
.00-1.45	D (S) ES (S)	5,6,3 3,3,3 N=12. 5,6,3 3,3,3	30				99.99	- -(0.60)	MAI odo	DE GROUND: ur. Gravel is fi	Black gravell ne and mediu	y ashy SAND m of clinker.	with a faint hy	drocarbon		MG	
	(5)	N=12.				1	88.09 87.99	1.50 1.60	MAE	DE GROUND:	Sandy reddis	sh brown fine t	o coarse angu	lar GRAVEL of	XX	MG	
2.00-2.45 2.01-2.20	D (S) ES	1,2,2 1,2,2 N=7.	0	72 60		<u>_</u>	86.79	- - -(1.20) - - - - - 2.80	Firm CLA DEF	POSITS)		enish grey slig m of various li rocarbon stair		htly gravelly LACIAL		GDU	
							00.10		Gre	yish brown me	edium and coa	arse SAND. (G	LACIAL DEP	OSITS)			
3.00-3.45	D	2,3,3				⊉		(0.50)								GDU	
	(S)	2,3,3 N=11.				_	86.29	3.30									
4.00	(S)	1,2,1 2,2,2 N=7.						- - - - - - -(2.15)	DEF	POSITS)						GDU	
5.00-5.45	D (S)	2,2,1 2,2,3 N=8.					84.14	- - - - 5.45 -	5.45	im bgl; windov	vless sample	complete					
	Llolo	Diameter	<u></u>					- -					Motor	Ctrillog			
Depth		Diameter eter (mm)		emark	s	Core 7	Гор (m)	Recov Core Bas		% Recovery	Date	Time	Strike	Strikes Minutes	Standing	C	asing
Берит	Diali	otor (IIIII)		omai N		OOIG	. op (III)	COIC DAS	~ (III)	- Arcovery	General Rer Windowless	narks sample hole cor	1.70 3.10	bgl. Olfactory evid	ence of hyd	rocarbon	
											contamination background r upon comple	n observed betweecorded. Grountion. Response	reen 0.9 to 1.5m dwater encounter zone 0.5 to 1.5m	bgl. No radiologic ered at 1.7 and 3.1 bgl.	al readings m bgl. Hole	above installed	
Scal	e 1:37	.5	Note					etres. Lo	ogs sh	nould be read	in accordance	with the provi	ded Key. Des	criptions are bas	sed on visi	ual and	

Hole No. **WINDOW SAMPLE LOG** WS124 Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 25-06-14 70004430 Harrow Estates Plc 25-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389321.850 **Premier Tracker Compact** Dynamic Sampling Ltd 90.480 J Watson N 382586.290

SAI	MPLE	S & TE	STS									STRAT	A				Insta
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	Dia
							90.18	-ness) _(0.30) 0.30	MAE	DE GROUND:	Reinforced (CONCRETE.				CONC	8
0.30-0.50	ES						89.88	(0.30)		DE GROUND: dstone and bri		fine and medi	ium angular G	RAVEL of		MG	
0.70-0.90	ES			46				-	MAE sligh	DE GROUND: ntly gravelly Cl	Firm locally s AY. Gravel is	oft low and me fine and coar	edium strengtl se angular of	h brown sandy brick.			
1.00-1.45	D (S)	1,0,1 0,1,0		30				(1.10)								MG	
		N=2.		30 30 42				-									
				"-			88.78 88.58			low strength o	dark brown sa	ndy organic C	LAY (POSSIE	BLE RELICT		SUPD	
_ 2.00-2.45	D (S)	1,2,1 1,2,2		70				-	Firm	medium stre	ne to coarse	ottled grey slig angular to rour	htly sandy slig nded of variou	ghtly gravelly s lithologies.			
		N=6.		74 74 90				-	(OL)	NOW LE DET O	5110)				0	OD!	
				102				(1.30)								GDU	2000
_ 3.00-3.45	D (S)	2,3,3 4,5,5		120 110		<u>‡</u>	87.28	3.20									
	, ,	N=17.					86.98	(0.30)	DEP	POSITS)		ne and mediun				GDU	223
				100				-	Gra\	n high strength vel is fine to co POSITS)	brown mottle parse angular	ed grey slightly to rounded of	sandy slightly various litholo	gravelly CLAY. ogies. (GLACIAL			
4.00-4.45	D (S)	3,4,4 5,5,6						(0.95)								GDU	
		N=20.					86.03	- 4.45	m hr	gl; windowless	sample com	nlete			-0		
								-	2	g.,aooo	, campio com	p.101.0					
-								-									
								-									
	Hole	Diameter						Reco	verv				Water	Strikes			
Depth		neter (mm)		emark	s	Core ⁻	Гор (т)	Core Bas		% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
													3.10				
											contaminatio	sample hole con n observed. No i encountered at	radiological read	bgl. No visual or o dings above backg installed upon com	ound recor	ded.	one
	e 1:37		Note	es: Al	l dim	ensio	ns in m	etres Lo	nas sh	ould be read i	n accordance	with the provi	ided Koy Des	criptions are bas	od on vio	ıal and	

LOG	I	Hole Diameter			Recovery				Water	Strikes		
240	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
Ž									3.10			
Š												
ر.												
2												
۳,												
⇟║							General Rem	narks				
N.								sample hole com				
<u>``</u>							contamination	observed. No r	adiological read	ings above bacl	kground recorde	d.
2							1.0 to 2.0m b	encountered at	3.1m bgi. Hole ii	nstalled upon co	impletion. Respo	onse zone
إ≧							1.0 to 2.0111 b	9				

Hole No. **WINDOW SAMPLE LOG WS125** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 25-06-14 70004430 Harrow Estates Plc 25-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389334.500 **Premier Tracker Compact** Dynamic Sampling Ltd 90.420 J Watson N 382573.630

SA	MPLE	S & TE	_					Danth				STRAT	Ä .				Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Di 5 m
							90.26	,	MAE	DE GROUND:	Reinforced (CONCRETE.			P 4 4 P	CONC	M
							89.92	(0.34)	MAI sand	DE GROUND: dstone.	Brown sandy	fine and med	ium angular G	RAVEL of		MG	
0.50-0.60	ES		0				89.82 89.72	0.60 0.70	MAI ash.	Gravel is clinl		black very sar	ndy fine angula	ar GRAVEL with	P, 5 4 P	MG CONC MG	1
							89.57 89.42	- 0.85 - 1.00	1 2445	NCRETE. DE GROUND:	Gravelly orar	nge brown med	dium and coar	se SAND.		NODATA	
.00-1.45	D (S)	2,2,2 3,2,2					89.22	1.20	∫ (Grav	vel is fine and DE GROUND:	medium angı	ular of sandsto	ne.	/		MG	
.00-1.20	ES (S)	N=9. 2,2,2 3,2,2	1				89.02		(Grav	vel is fine and DE GROUND:	medium of br	ick and variou	s lithologies.			SUPD	
.40-1.60	ES	N=9.	0					_	114	ocarbon odou				TORCOUL	<u> </u>		
.40-1.00	LO					1	00.40	-(0.60)	Firm	lominantly fine	ngth brown sli	ightly sandy sl subangular to	ightly gravelly	CLAY. Gravel is		GDU	
2.00-2.45	D	1,2,1				<u>*</u>	88.42	2.00	$\overline{}$	logies. (GLAC se slightly clay			nedium SAND	. (GLACIAL			1
	(S)	1,1,1 N=4.						(0.50)		POSITS)	.,					GDU	
							87.92	2.50		- 2.50 m bgl;					<u> </u>		
								-		lium dense red POSITS)	ldish brown fi	ne and mediu	m SAND. (GL	ACIAL			
								-									
.00-3.45	D	2,2,3						(0.90)								GDU	
	(S)	3,4,5 N=15.															
							87.02	3.40	_								
								- - -	grav	locally firm movelly CLAY. Grallogies. (GLAC	avel is fine ar	nd medium sul		dy slightly unded of various			
								(0.90)								GDU	
1.00	(0)	2,3,4						_									
	(S)	4,5,6 N=19.					86.12	4.30									
								_		lium dense ora POSITS)	angish brown	medium and o	coarse SAND.	(GLACIAL			
								-(0.60)	DLI	00110)						GDU	
								-									
							85.52	4.90	_	n medium strer	nath reddish	brown sliahtly	sandv slightly	gravelly CLAY.	0		1
5.00-5.45	D (S)	2,2,3 2,3,2						_(0.55)	Grav	vel is fine and ACIAL DEPOS	medium suba					GDU	
	(-)	N=10.						-(0.55)	(OL)	AOIAL DLI OC	5110)					GDU	
							84.97	5.45	_	im bgl; window	dess sample	complete					<i>5</i> 0
								- - -	3.43	om bgi, window	ness sample	complete					
	Hole	Diameter	<u></u>					Reco	verv				Water	Strikes			
Depth		neter (mm)		emark	s	Core	Гор (m)			% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
													2.00				
											General Rer	l narks					
											Windowless to 1.2m bgl. I	sample hole con No radiological re	eadings above b	bgl. Slight hydrocar packground recorde completion. Respo	d. Groundy	vater	

ΩĮ																		
2		Hole	Diameter						Recov	very				Water	Strikes			
욁	Depth	Dian	neter (mm)	R	Remark	s	Core T	op (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Cas	sing
LE LOG WOODF(2.00				
NDOW SAMP												to 1.2m bgl. N	ample hole com lo radiological re	adings above b	ogl. Slight hydrod ackground recor completion. Res	ded. Groundw	ater	

MSP		WINE	OOW SAMPLE		Hole	e No. WS126
WSP 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Dat	te 26-06-14 26-06-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	S McGeever	E 389391.800 N 382514.520		90.270

SA	MPLE	S & TE		-	-			Donth				STRAT	A		1		Ins Ba
Depth	Туре	Test Result	Old (pbmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)				Description			Legend	Geology	D 5 m
7							90.12	1 1		DE GROUND:						TARMAC	
).25	ES						89.77	(0.35) 0.50	with		agments of m	etal. Gravel is		gravelly SAND very angular to		GMG	
1.00	D (C)	Sw,Sw,0 1,0,1 N=2.								y soft reddish t OUND)	orown slightly	sandy CLAY.	(PROBABLE	MADE		CMG	
2.00 2.20	D (C) ES	1,1,2 2,3,7 N=14.				<u>‡</u>	88.07	- - 2.20	Firm	n dark grey slig	ghtly sandy go	ravelly CLAY. (Gravel is fine t	o coarse			
3.00	D (S)	2,3,3 4,4,4 N=15.		60			86.87	- -(1.20) - - - - - - - 3.40	a ig		lada er varie	ao maiologico. (GDU	
1.00	D (S)	2,3,3 3,5,5		98			86.17	(0.70)	grav litho	velly CLAY. Gr llogies. (GLAC	avel is fine to	,	ar to rounded o			GDU	
		N=16.						(0.90)	fine			own slightly gra unded of vario				GDU	
5.00	(S)	6,5,6 6,6,7 N=25.					85.27	5.00	m b	gl; window sar	nple hole cor	nplete					
	Holo	Diameter	<u></u>					Recov	/en/				\M/ator	Strikes			
Depth	_	neter (mm)	_	temark	s	Core 7	Гор (m)			% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
											No visual or No radiologio Groundwate	sample hole con olfactory evidence cal readings about rencountered at	ce of contaminative background r 2.2m bgl.	ion observed.			

ဖွှ၂																	
إڏ	ŀ	lole	Diameter					Recov	ery				Water	Strikes			
ORD	Depth	Diam	neter (mm)	Rema	ks	Core 7	Гор (т)	Core Bas	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Cas	sing
LOG WOODF													2.20				
P WINDOW SAMPLE											No visual or o No radiologica Groundwater	sample hole com lifactory evidence al readings above encountered at	e of contaminative background re 2.2m bgl.	ion observed.			

		VSP					1	WIN	DOW SAMPLE	LOG	Hol	e No.	NS1	27	
	50-182 M50 M50 phone: 0	SP The Quays 3SP 1161 886 24 ax:	400		Proje	ect			Woodford Aerodrome	•	She	eet	1 of	1	
Job No	7000	4430			Clie	nt			Harrow Estates Plc		Da		26-06- 26-06-	-14 -14	
Contracto		ller npling L				r Tra	t Used acker Co	ompact	Logged By S McGeever	Co-Ordinates (NGR) E 389434.780 N 382543.730	1	Groun	od Leve		D)
SA	AMPLE	S & TE	STS							STRATA					Install
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)	De	scription			Legend	Geology	Backfil Dia. 50 mm
							90.01	-(0.40)	CONCRETE.					CONC	
									0.40 m bgl; windowless sample h						

08 WSP WINDOW SAMPLE LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION, GPJ WSP	-													
000		Hole Diameter				Recovery				Water				
FOR	Depth	Diameter (mm)	Remarks	Core To	op (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Cas	sing
WINDOW SAMPLE LOG WOOD								General Rem Windowless s below concret		ble to be drilled n could not be m	due to unable to oved due to ser	penetrate Mad vices in area.	le Groun	d
08 WSP	Scal	le 1:37.5	Notes: All di manual iden	mension tification	ns in m	etres. Logs sh	hould be read	in accordance	with the provi	ded Key. Desc	criptions are b	ased on visua	al and	

Hole No. **WINDOW SAMPLE LOG WS128** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 26-06-14 70004430 Harrow Estates Plc 26-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389444.710 N 382538.380 **Premier Tracker Compact** Dynamic Sampling Ltd 90.380 S McGeever

		.pg _				1	110					IN	382538.380	,			
SA	MPLE	S & TE							1			STRAT	A			1	Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Di 5 m
0.10			0				90.13	-	1	DE GROUND:	ASPHALT.					TARMAC	
								(0.35)	MAE			nottled black s ninantly sands		oarse angula	ar to	GMG	
0.70			0				89.78	0.60	MAE	DE GROUND:	Light orangisl	n white sandy subrounded t	GRAVEL with	occasioal	lv X		ı
1.00		9,7,8						(0.75)		dstone.						GMG	
1.00	(C)	5,3,2 N=18.					89.03										
1.35	ES	•	0				88.93	- 1.45 -	4 C	DE GROUND: c and various I	Black sandy f	ine angular to	subrounded (GRAVEL of		GMG	
1.50	ES	٠	0					- - -	Firm	and stiff redd	ish brown slig	htly gravelly sl ubrounded of v	ightly sandy C various litholo	CLAY. Grave gies. (GLAC	I is	-	
2.00	D (S)	2,1,2 3,3,3 N=11.	0					-									
				62				- - -									
								-									
3.00	(C)	3,3,3 4,4,6 N=17.						(3.55)								GDU	
				100													
				140+				_									
1.00	D (S)	2,3,4 6,9,9	0			1		-									
		N=28.				<u>*</u>		-									
				70				-									
				78			85.38	5.00									
5.00	(C)	2,2,4 5,5,6 N=20.						-	5.0n	n bgl; window	sample hole o	complete					
		20.						-									
								[
								-									
	Hole	Diamete	r					Reco	very				Water	Strikes		1	
Depth	Dian	neter (mm) R	temark	s	Core 7	Гор (т)			% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
													4.30				
											No visual or o No radiologica Groundwater	narks sample hole com lfactory evidenc al readings abov not encountered upon completio	e of contamina e background re I.	tion observed. ecorded.			

'nΙ												
ĕ[I	Hole Diameter			Recovery				Water	Strikes		
ORD	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
LOG WOODF									4.30			
P WINDOW SAMPLE L							No visual or o No radiologica Groundwater	sample hole com olfactory evidence al readings above not encountered	e of contaminate background red	tion observed.	ogl.	

WSP	WIN	DOW SAMPLE		Hole No. WS129
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome		Sheet 1 of 1
Job No 70004430	Client	Harrow Estates Plc		26-06-14 26-06-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
Dynamic Sampling Ltd	Premier Tracker Compact 110	S McGeever	E 389543.940 N 382625.480	90.730

SA	MPLE	S & TE			_			Donth				STRAT	A				Inst Bad
Depth	Туре	Test Result	(Vmdd)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			С	Description			Legend	Geology	Di 5 m
.10			0				90.53	_ ′	MAE	E GROUND:	ASPHALT.					TARMAC	
. 10		•					90.23	(0.30)	MAE suba	E GROUND: angular to rour	Light grey sa	andy GRAVEL. ominantly limes	Gravel is fine stone.	and medium		GMG	
.50	ES	•					90.08		Med	ium dense ora	ngish brown	medium SAN	D. (GLACIAL I	DEPOSITS)		GDU	
.60			0					-	Stiff	medium stren	gth reddish b	orown slightly s	andy slightly g	gravelly CLAY.	-0		
.80	ES	•								ACIAL DEPOS							
.00	D (S)	1,1,1 1,1,1															
		N=4.						-									
								F									
				68				-									
								-									
2.00	D (S)	1,2,1 2,2,3						-							-		
	(0)	N=8.						-									
				50				-									
				30				-									
								(4.35)								GDU	
.00		3,3,3						- 1									
	(S)	3,4,5 N=15.															
								-									
								-									
								-							0		
								_									
.00	D (S)	1,2,2 3,3,5 N=13.						-							0		
		IN-13.						-									
															-		
							85.73	5.00									
.00	(S)	4,5,6 7,7,10						-	5.0n	n bgl; window	sample hole	complete					
	, ,	N=30.						-									
								-									
								-									
D: "		Diamete	_	•		0	F / . T	Recove	_	0/ 5	D.:	T -		Strikes	01- "		_
Depth	Dian	neter (mm) R	emark	s (Core	Гор (т)	Core Base	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asino
											General Day	marks					
											No visual or No radiologic Groundwater	marks sample hole cor olfactory evidence al readings abor r encountered at d. Response zor	ce of contaminative background r 2.80m bal.	tion observed. ecorded.			
			1											criptions are b			

 ₩SP		WINE	OOW SAMPLE		Hole	e No. WS130
WSP 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 26-06-14 26-06-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	S McGeever	E 389633.360 N 382620.340		92.060

SA	MPLE	S & TE	_					l e				STRAT	A				Ins Bad
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				С	escription			Legend	Geology	Di 5 m
0.10	ES							-ness) - -(0.37)	Dark	brown slightl	ly gravelly silty	fine SAND wi	th rootlets (To	OPSOIL)	711 _N 7/11	TS	
		•					91.69								1/2/1/	15	
0.40			0					-	Ligh	t whitish oran	gish brown cla	ayey fine SAND	D. (GLACIAL	DEPOSITS)			
								(0.53)							<u> </u>	GDU	京
							91.16	0.90					10.11				
1.00	D	1,2,3	0					-	sand	ty CLAY Grav	vel is fine and	medium andu	lar to rounded	lightly gravelly d of sandstone,			2
	(S)	3,5,5 N=16.						_	mud	stone and var	rious lithologie	es. (GLACIAL I	DEPOSITS)				
								_									浴
				132				-							0		
								_									
2.00	D	4,4,5	0					(2.20)							-0	GDU	0
	(S)	6,5,6 N=22.						-									双
								-							-0		SS SS
				80				<u> </u>									8
								-									器
		0.5.					00.00	<u> </u>									
3.00	(C)	3,3,4 5,4,5					88.96	3.10	Med	ium dense lig	ht reddish bro	wn fine to coa	rse SAND. (G	LACIAL	 		E CONTRACTOR
		N=18.						_	DEF	POSITS)							农
3.50			0														2
																	200
								_									公公
4.00	(C)	4,4,4 4,6,5						(1.90)								GDU	
		N=19.															
								-									2
4.80	ES						87.06	5.00									E S
5.00	(C)	4,4,5 3,6,6					07.00	- 3.00	5.0n	n bgl: Window	less sample l	nole complete					unc
	(0)	N=20.						-									
								-									
								-									
								-									
		Diamete	_				_ , .	Recov			_	I		Strikes			
Depth	Dian	neter (mm	R	emark	is (Core -	Гор (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
												<u> </u>					
											General Rer Windowless	sample hole com	plete at 5.00m	bgl.			
											No visual or on the No radiologic Groundwater	olfactory evidence al readings above not encountered	e of contamina e background i	tion observed.			
				· • ·	0 -01							ed upon completi		t-st		1	
Sca	le 1:37	.5				ensic		erres. Lo	ogs sn	iouid be read	iii accordance	with the provi	uea ney. Des	criptions are ba	isea on visi	ıaı and	

ဖွှ၂																		
9	ŀ	lole	Diameter						Recov	ery				Water	Strikes			
ORD	Depth	Diam	neter (mm)	F	Remark	s	Core T	op (m)	Core Bas	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Cas	sing
WINDOW SAMPLE LOG WOODFC												No visual or o No radiologica Groundwater	sample hole com lfactory evidence al readings above not encountered	e of contaminati e background red.	ion observed.			
≥												noie backlille	d upon completi	OH.				

Hole No. **WS131 WINDOW SAMPLE LOG** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 25-06-14 70004430 Harrow Estates Plc 25-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389736.550 **Premier Tracker Compact** 89.740 Dynamic Sampling Ltd S McGeever N 382506.760

SAI	MPLE	S & TE	STS									STRAT	Α				Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	Di 50 mi
							89.66 89.59	-ness) - 0.08 - 0.15	MAE	DE GROUND:	Brown slightl	y clayey slightl	ly gravelly SAI	ND with rootlets.	11/2 X11/	TS GDU	
							09.59	- 1		vel is fine angu DE GROUND:						GDU	
				400			89.29	- 0. 4 5	pred	lominantly coa	l. <u> </u>				[===		%
0.50			0	130				-		dark brown Clium dense bro			,	/ ITS)			
								(0.75)			· ·	,		,		GDU	8
1.00		2.5.6						_									
1.00	(C)	3,5,6 6,5,6 N=23.					88.54										
		IN-23.						_	Med	ium dense ligh	nt yellowish b	rown SAND. (0	GLACIAL DEF	POSITS)			
								-									Ž,
								-									8
2.00	D (C)	1,1,2 3,5,6	0					(1.60)								GDU	
	(0)	3,5,6 N=16.															公
								-									
2.50	ES					ا را		<u> </u>									
						‡	86.94		Med	ium dense rec	ldish brown fi	ne and mediur	m SAND. (GL	ACIAL			
3.00		3,4,3						-		POSITS)		ana moaia	0, (02.				欧
	(C)	3,2,3 N=11.						-									
								-									Ž,
								-									8
								-									
.								-(2.20)								GDU	
4.00	D (C)	2,3,2 3,3,3	0														
		N=11.						-									
								-									
							84.74	5.00									S
5.00	(C)	1,1,2 3,2,3						-	5.0n	n bgl; Window	sample hole	complete					
	(0)	N=10.						-									
								-									
								-									
								-									
Donth		Diameter		om =='	_	Co 7	on (==)	Recov		0/ Doc	Deta	Tiere		Strikes	Ctondi	T _	:-
Depth	Dian	neter (mm)	K	emark	.S	Core I	ob (m)	Core Base	e (m)	% Recovery	Date	Time	Strike 2.80	Minutes	Standing	0	asing
											General Des	narke					
											No visual or on No radiologic Groundwater	narks sample hole con olfactory evidenc al readings abov encounterd at 2 d upon completi	ce of contamina ve background r l.8m bgl.	tion observed.			
							I				I IOIC DACKIIIIC	a apon completi	OII.				

Hole No. **WINDOW SAMPLE LOG WS132** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 27-06-14 70004430 Harrow Estates Plc 27-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389422.910 N 382347.770 **Premier Tracker Compact** 87.450 Dynamic Sampling Ltd S McGeever 110 Inetell /

MPLE	S & TE	STS									STRAT	`A				Insta
Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	(Thick			С	escription			Legend	Geology	Dia 50 mr
ES		0				87.22	ļ .	root	lets. Gravel is	fine and med				××××	GMG	I
			46			86.90	-(0.32) - 0.55	MAI is fir	DE GROUND: ne and medium	Firm brown s	slightly gravelly r to rounded o	slightly sand f brick, coal a	y CLAY. Gravel nd various		CMG	
ES D	1,1,1	0 0	28				(0.80)	MAI	DE GROUND: AY. Gravel is fir	ne and medic	light grey slig ım very angula	htly sandy slig ar to rounded	htly gravelly of coal, brick and		CMG	
(S)	2,1,2 N=6.					86.10	- - 1.35									ı
							-	CLA	AY. Gravel is fir	ne very angul						
			98				-									
D (C)	2,2,3 4,4,7 N=18.		122				(1.55)								GDU	
			130			94 55	2.00									
D	2,2,3					04.55	2.90						and medium	0000		
(C) ES	3,4,4 N=14.	0					(0.85)							0000	GDU	
						83.70	- 3.75	Med	lium dense ligh	nt brown fine	and medium S	SAND. (GLAC	IAL DEPOSITS)	0 0 0		
(C)	3,3,3 4,5,5 N=17.						- - - -	Wica	aum dende ligi	ic srown inio	and modium c	<i></i>	we ber don't			
							L(1.25)								GDU	
	5,6,5					82.45	5.00	5.0 ו	mbal: Window	less sample	hole complete					
(C)	6,5,7 N=23.								•							
Hala	Diamete						- -					10/242	Obrile a			
_		_	emark	s	Core	Гор (m)			% Recovery	Date	Time	VV ater Strike		Standing	Ca	asing
										Windowless No visual or No radiologic No groundwa	sample hole cor olfactory evidend al readings reco ater encountered	ce of contamina orded above back.	tion observed. ckground.	zone 1.501	o 5.00m	bal.
	Type ES ES D (S) C(C) C(C) Hole	Type Result ES . ES . D 1,1,1,1 (S) 2,2,2,3 (A,4,7 N=18. C) 3,4,4 N=14. ES . (C) 3,5,5 N=17. (C) 5,6,5 N=17.	ES . 0 ES . 0 D 1,1,1 0 N=6. D 2,2,3 4,4,7 N=18. C 3,4,4 N=14. ES . 0 (C) 3,3,4,4 N=14. ES . 0 (C) 3,6,5 N=17.	Type Test Result Q Q Q Q Q Q Q Q Q	Type Test Result C L L L L L L L L L	Type Test Result G G G G G G G G G	Type	Type Test Result Q Q Q Q Q Q Q Q Q	Type Test Result Class C	Test Result	Type	Type	Type Test Result a	Type Test Result Q S Type Q S	Type Test Q E E E Q E E E E E	Type Test Result S S S S S S S S S

ည်[
<u>ğ</u> [I	Hole Diar	neter					Reco	very				Water	Strikes			
묎	Depth	Diameter	(mm)	Remar	ks	Core 7	Top (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
LE LOG WOODF																	
WINDOW SAMPL											No visual or o No radiologica No groundwa	sample hole con olfactory evidence al readings reco ter encountered	nplete at 5.00m lie of contaminat rded above back	ion observed. kground.	se zone 1.50 to	5.00m l	bgl.

Hole No. **WINDOW SAMPLE LOG WS133** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 27-06-14 70004430 Harrow Estates Plc 27-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389405.110 N 382314.600 **Premier Tracker Compact** Dynamic Sampling Ltd S McGeever 87.530

SA	MPLE	S & TE	STS				STRATA										Insta Back
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	Dia 50 mn
-				Ť			07.00	-ness)	MAE	DE GROUND:	CONCRETE	<u> </u>			9 4 4	CONC	
							87.32	(0.29)	MAI angi	DE GROUND:	Yellowish brounded GRAV	own very sandy EL of predomi	y fine and me	dium very one (SUBBASE).		GMG	
0.55	ES		0	65			87.03	(0.70)	Grav	DE GROUND: vel is fine and dstone and va	medium very	angular to sub	lightly sandy (prounded of br	gravelly CLAY. rick, mudstone,		CMG	
1.00	D (S)	1,1,1 1,1,1 N=4.	0			1	86.33	1.20	Soft	arevish brown	n eliahtly eand	ly slightly grave	ally CL AV with	occasional			
1.40	ES		0	30				-	orga	nic material.	Gravel is fine	and medium v	ery angular to	subrounded of			NO STOCK
- 2.00	D (S)	Sw,Sw,0 1,1,1 N=3.	0					- - - -							-71/0 -0		\$2555 \$2555
				20				(2.50)							<u> </u>	SUPD	625257 625257
3.00	D (S)	1,1,1 1,2,1 N=5.	0	75				-									
- 4.00		3,4,5		73			83.83	83.83 3.70 Medium dense light orangish brown fine and medium SAND. (GLACIAL DEPOSITS)						D. (GLACIAL	9		
1.00	(C)	7,7,9 N=28.						-(0.80) -								GDU	
4.50	(C)	5,9,11 11,13,14 N=49.					83.03	4.50	4.5n	n bgl; Window	rless sample h	nole refusal					
-																	
	_	Diameter						Reco				I		Strikes			
Depth	Dian	neter (mm)	R	emark	s	Core ⁻	Top (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike 1.20	Minutes	Standing	Ca	asing
											No visual or on the No radiologic No groundward No groundw	sample hole con olfactory evidency al readings reco	e of contaminated above bacentered, seepage	tion observed.	untered at	1.2m bgl.	
Scal	e 1:37	7.5		es: A nual i				etres. Lo	ogs sh	ould be read	in accordance	with the provi	ded Key. Des	criptions are base	ed on visu	ual and	

ıχ																		
3		Hole	Diameter	-					Reco	very				Water	Strikes			
욁	Depth	Diam	neter (mm)		Remark	(S	Core	Top (m)	Core Ba	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
LE LOG WOODF(1.20				
WINDOW SAMP												No visual or o No radiologica No groundwa	sample hole com lfactory evidence al readings reco	e of contamination of c	ion observed.	countered at	1.2m bgl.	

Hole No. **WINDOW SAMPLE LOG WS134** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 03-07-14 70004430 Harrow Estates Plc 03-07-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389956.270 N 381557.400 **Premier Tracker Compact** Dynamic Sampling Ltd S McGeever 82.980

SAI	MPLE	S & TE	STS						•			STRAT	A				Inst
Depth	Туре	Test Result	PID (ppmV)	HSV kN/m2)	P.Pen kN/m2)	Water	Elev. (mAOD)				С	escription			Legend	Geology	Di 50 mi
							82.83	<u>-ness)</u> - 0.15	MAE	E GROUND:	CONCRETE	<u>.</u>			P 5 4 0	GMG	
							82.33	- - -(0.50)	GRA		s fine to coar	yellowish brov se very angula				GMG	
).80	ES		102				81.98	(0.35)	angu		I GRAVEL of	ash, asphalt,		nd course, very er.		GMG	
.00	D (C)	Sw,Sw 1,1,1 N=4.					01.90	-		to stiff mediu			ightly gravelly	slightly sandy			
				50				(1.10)								ALV	
				52				- - -									
2.00	D (C)	2,3 3,3,2				ϫ	80.88	2.10		ium dense red	dish brown s	lightly clayey S	SAND				
.10	ES	N=9.										3 1, 11, 1, 1,					
								- - -	2.50	m bgl; relict o	rganic matte	r.					
.00	(C)	1,2 2,3,4 N=14.						- - -		- 3.10 Band o el of various li		ne and mediur	n, subrounded	I to well rounded			
								-									
								_(2.90) - -								ALV	
.00	(C)	3,3 3,4,5 N=19.						-									700
		14-19.						- - -									
							== 00	-									
.00	(C)	4,4 5,4,5					77.98	5.00	5.0m	n bgl; Window	ess sample l	nole complete					
		N=20.						- - -									
								- - -									
	Hole	Diamete	r					Reco	very				Water	Strikes			
Depth	Dian	neter (mm)) R	emark	s	Core 7	Гор (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike 2.10	Minutes	Standing	Ca	sing
													2.10				
											Olfactory evi- No radiologic Groundwater	sample hole con dence of hydroc cal readings above encountered at	arbon contamina /e background r 2 1m bal	ation observed at 0		bgl.	
	1		1														

2	ŀ	Hole Diameter			Recovery				Water	Strikes		
	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
E LOG WOODF(2.10			
WINDOW SAIVITE							Olfactory evid No radiologica Groundwater	sample hole com	arbon contamina re background ro 2.1m bgl.	ation observed a ecorded.	t 0.65m to 1m bo	gl.

Hole No. **WINDOW SAMPLE LOG WS135** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 03-07-14 70004430 Harrow Estates Plc 03-07-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389963.560 N 381525.670 **Premier Tracker Compact** Dynamic Sampling Ltd S McGeever 82.910

SAN	SAMPLES & TESTS											STRAT	A				Insta Back
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Dia 50 mn
							82.72	,	MAE	DE GROUND:	ASPHALT.				P 6 4 P	CONC	
							82.36	(0.36)				slightly clayeys nded of various		L. Gravel is fine		GMG	
1.00	D (C)	Sw,Sw,Sw 1,0,0 N=0.	125				52.00	- - - - - - - - - - - - - - - - - - -	ash.	Gravel is fine	very angular	gravelly slight to subrounded n odour and sh	of various lith	Y with frequent nologies.		GMG	
		·	120	24			81.41	1.50	Firm	locally soft de	arle arou aliabi	ly aandy aliabt	hu arrayallu Cl	A.V. with	XX		
1.60	ES	٠		65			81.01	- -(0.40) 1.90	occa	asional organio	matter. (SUI	tly sandy slight PERFICIAL DE	EPOSITS)			SUPD	
2.00	D (C)	1,1,1 1,2,1 N=5.	1					-		brown slightly POSITS)	sandy CLAY	with organic r	natter. (SUPE	RFICIAL			
		N=5.						- -(1.00) - -							/	SUPD	
						<u>1</u>	80.01	2.90	Loos	se hecoming r	nedium dense	hrown coared	SAND and fi	ne and medium	0000		
3.00	(C)	1,0,1 0,1,1 N=3.				-		-	well	rounded GRA	VEL of variou	us lithologies. (GLACIAL DE	POSITS)		; ;	
1.00	(C)	2,2,2 2,3,2 N=9.						(2.10) 								GDU	2000 X
1.50	ES		0					- - -							0.50		
5.00		2,3,2					77.91	5.00	\A/in	doudoos somm	la hala aama	lete at 5.0m bo	. 1		.0 0.0		S
5	(C)	3,4,4 N=13.						-	*****	asmoos damp	is note comp		, .				
	Hole	Diameter	r					Recov	very				Water	Strikes			
Depth	Diam	eter (mm)	R	emark	s (Core T	op (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
											Strong olfactors No radiologic	sample hole con	nydrocarbon cor re background r	tamination observe	ed from 0.5	5m to 2m	bgl
														ne from 3.0 to 4.0n	n hal		

**												
ğ	ŀ	Hole Diameter			Recovery				Water	Strikes		
25	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
Ĕ									3.00			
Š												
<u>ر</u>												
₹												
⇟							General Ren	narks				
ĕ							Windowless s	sample hole com	nplete at 5.00m l	oal.		
>							Strong olfacto	ory evidence of h	vdrocarbon con	tamination obse	erved from 0.55	m to 2m bal.
S								al readings abov				
₽								encountered at				
⋚								upon completio		ne from 3.0 to 4	.0m bal.	

Hole No. **WINDOW SAMPLE LOG WS136** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 03-07-14 70004430 Harrow Estates Plc 03-07-14 Contractor / Driller Method/Plant Used Logged By Co-Ordinates (NGR) Ground Level (m AOD) F 389802 500 Premier Tracker Compact Dynamic Sampling Ltd J Watson 82.900 N 381552.720 Install **SAMPLES & TESTS STRATA** Depth HSV (kN/m2) P.Pen (kN/m2) PID (ppmV) Dia. Elev. Test Depth Description Legend Geology 50 (mAOD) (Thick Result mm MADE GROUND: ASPHALT 82.85/ 0.05 ES 0.10-0.30 MADE GROUND: Reinforced CONCRETE. (0.45) CONC 82.40 82.30 0.60 0.50-0.60 ES MADE GROUND: Black sandy fine and medium angular GRAVEL of ash MG 82.20 0.70 GDU 40 and clinker 0.70-0.80 ES Soft medium strength dark greenish grey sandy CLAY. (GLACIAL DEPOSITS) Loose orange brown and greenish grey slightly clayey silty fine SAND. (GLACIAL DEPOSITS) 1.00 1,0,1 1,1,1 N=4. (S) (0.90) GDU 1.60 1.70 1.80 81.30 81.20 GDU GDU Firm red brown sandy CLAY. (GLACIAL DEPOSITS) 36 81.10 Red brown clayey fine SAND. (GLACIAL DEPOSITS) o Soft and firm low strength brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium, subrounded to rounded of various lithologies. 28 2.00-2.45 1,0,1 1,1,1 N=4. 26 (GLACIAL DEPOSITS) (S) ______ 28 30 70 2.80 m bgl; becoming high strength 110 WSPETEMPLATE1.03.GDT 3.00-3.45 2,3,3 108 (2.65) GDU 4,3,4 N=14 (S) 80 3.45 - $3.46\ m$ bgl; lense of coarse sand 128 80 100 4.00-4.45 3,4,4 4,5,5 N=18. 08 WSP WINDOW SAMPLE LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION. GPJ (S)

_												
	Hole Diamete	r		Recove	ery			Water	Strikes			
Depth	Diameter (mm	Remarks	Core Top	(m) Core Base	(m) % Recovery	Date	Time	Strike	Minutes	Standing	Casi	ing
								0.80				
						contamination	sample hole con n observed. No encountered at	radiological rea	bgl. No visual o dings above bac le installed upon	kground record	ed.	

Window sample terminated at 4.45m bgl

78.45

4.45

Scale 1:37.5

		VSP					1	WIN	DOW	SAMPL	ΕL	_OG		Но	ole No.	NS1	37	
	150-182 M50 phone: (SP The Quays) 3SP)161 886 2 ax:			Proje	ect			Woodfo	ord Aerodror	ne			Sh	neet	1 of	1	
Job No	7000)4430			Clier	nt			Harro	w Estates Plo				Da	ate	03-07- 03-07-	14 14	
Contract	or / Dri	ller		Meti	nod/l	Plan	t Used		Logged E	Ву	С		ites (NGR)		Grour	nd Leve	(m AO	D)
Dynan	nic Sar	npling L	td	Pre	emie		acker C 110	ompact	S	McGeever			389873.280 381403.440			82.3	360	
Si	AMPLE	ES & TE										STRAT	4					Install Backfil
Depth	Туре	Test Result	Old (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Descri	ption				, and	Geology	Dia. 50 mm
- -0.15 - - - - -	ES			84			82.21 82.14	- 0.15 - 0.22 - - - -	MADE GROU to coarse ver Firm to stiff n CLAY. Grave	JND: CONCRET JND: Reddish bro y angular to subro nedium strength r el is fine and medi GLACIAL DEPOS	own ve ounded eddish um an	d of predo brown sli	minantly brick ghty gravelly s	and coa	al/ sandy		CONC GMG	
 _1.00 - - -	D (C)	2,1,2 1,2,2 N=7.		60				(1.43)	1.20 m bgl; C	Cobble of subroun	ded sa	andstone.					GDU	
- - - - 2.00	D	2,2,3		48			80.71	-(0.30)	Firm to stiff n CLAY. Grave lithologies. (0	nd medium SANE nedium strength relis fine and medi GLACIAL DEPOS h brown fine to co	eddish um an ITS)	brown sli gular to w	ghty gravelly s ell rounded of	various	sandy		GDU	
- - - - _2.60	(S)	1,2,2 N=8.						- - - -	20000 100010	n brown into to oc	, di 00 C	,		.0110)				
- 3.00 - - - - - -	(C)	1,2,1 0,1,1 N=3.				<u>‡</u>		-(2.05)									GDU	
							78.36	4.00	4.00 4.0m bg	l; Windowless sa	mple h	le hole complete at 4.00m bgl.						
	Hole	Diamete	<u> </u>					Recov	ery				Water	Strikes				
Depth	Diar	neter (mm								tes	Standing	Ca	asing					

က္က												
P		Hole Diameter			Recovery				Water	Strikes		
ORD	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
DF(3.00			
ΛOV												
9												
ELC												
AMPLE							General Rem	narks				
SAI								ample hole com				
δ								offcatory evidence al readings abov				
ξ								seepage encour upon completion			0m hal	
≥												
8 WS	Scal	Scale 1:37.5 Notes: All manual id			netres. Logs sh	ould be read i	in accordance	with the provi	ded Key. Des	criptions are ba	ased on visu	al and
٥I												

WSP	WINI	DOW SAMPLE		Hole No. WS138
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome		Sheet 1 of 1
Job No 70004430	Client	Harrow Estates Plc		03-07-14 03-07-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
Dynamic Sampling Ltd	Premier Tracker Compact 110	J Watson	E 389926.820 N 381372.650	82.200

MPLE											STRAT	Α				Inst Bac
Туре	Test Result	PID (bpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	(Thick			D	escription			Legend	Geology	Di 5 m
						82.14	-ness) 0.06	MAC	E GROUND:	ASPHALT.					TARMAC	20
ES	٠						(0.59)	fragr	ments of ash.	Dark grey bro Gravel is fine	wn and black to coarse ang	sandy GRAV ular of clinker	EL with , limestone and		MG	200
						81.55	- 0.65							$\wedge \wedge \rangle$		
ES			58				-	Firm	locally soft m	edium strengt	h dark greenis	sh grey to gree	enish brown			
			32				_		1. (001 21411	011 KE DE1 00	10)					
D (S)	1,1,2 2.3.4						_(0.85)								SUPD	
	N=11.						-									
						80.70	1.50									8
					1		-	Loos	se brown med	ium to coarse	SAND. (SUPE	ERFICIAL DE	POSITS)	- : - : - :		
					Ţ		-									
_	0.01						(0.90)								SUPD	Ø,
(S)	0,1,0						-									反
	IN-Z.					79.80	2.40									
							_	Soft 2.50	low strength r m bgl; becom	eddish brown ning medium s	very sandy Cl trength	.AY. (GLACIA	AL DEPOSITS)			
							-			J	J					
							(1.05)								GDU	
D	1,1,2															
(5)	2,2,2 N=8.						-									
						78.75	- 3.45	10//		1- 1-1	-110 45 h	-1				2
		_								_						_
Dian	ieter (mm)) R	emar	KS	Core -	1 op (m)	ore Bas	se (m)	% Recovery	Date	Time	Strike 1.80	iviinutes	Standing	Ca	asing
										Windowless s No visual or o No radiologic Groundwater	sample hole com olfactory evidence al readings above encountered at	e of contaminate e background r 1.80m bgl.	tion observed.			
	ES D (S) D (S)	Type Result ES . D 1,1,2 (S) 2,3,4 N=11. D 0,0,1 (S) 0,1,0 N=2.	ES D 1,1,2 (S) 2,3,4 (N=11.) D 0,0,1 (N=2.) D 1,1,2 (N=2.) D 1,1,2 (N=2.) D 2,2,2 (N=8.)	Type Result Q (Type Test Result Q Q Q Q Q Q Q Q Q	Type Test Result G G G G G G G G G	Type	Type Test Result 2	Type Test Ca Ca Ca Ca Ca Ca Ca C	Type Test	Type	Type Result Q S S S S S S S S S S S S S S S S S S	Type Test Result & Q & & & & & & & & & & & & & & & & &	Type Test Result Result	Property Property	Type Test Result Result

었												
ĕ	ŀ	Hole Diameter			Recovery				Water	Strikes		
ORD	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
WOODF									1.80			
FOG												
WINDOW SAMPLE							No visual or o No radiologica Groundwater	narks sample hole com- olfactory evidence al readings abovencountered at d upon completion	e of contaminative background re 1.80m bgl.	ion observed.		1

Hole No. **WINDOW SAMPLE LOG WS139** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 30-06-14 70004430 Harrow Estates Plc 30-06-14 Logged By Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Ground Level (m AOD) E 389801.800 N 381340.020 **Premier Tracker Compact** Dynamic Sampling Ltd S McGeever 82.130

SAI	MPLE	S & TE	STS									STRAT	Ą				Ins
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen kN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	D
			Ť		$\overline{}$			-ness)	MAE	DE GROUND:	ASPHALT.					TARMAC	50
							81.93	0.20	MAE	DE GROUND:	Loose black s	sandv GRAVE	L with frequer	nt ash. Gravel is			
0.30	ES		0				81.68		fine	and medium a	angular to sub	rounded of asp	phalt and varie	ous lithologies.		GMG	2
							81.58	- 0.55		DE GROUND:			madium angu	lar to rounded of	\longrightarrow	GMG	
							01 12	(0.45)	vario	ous lithologies	iy CLAT. Grav	vei is line and l	medium angu	iar to rounded or		GDU	がある
.00		2,3,4					81.13	1.00	Loos	se whitish brov	wn fine and m	edium SAND.			XX		X
	(S)	2,3,3 N=12.						(0.60)								GDU	200
								-(0.60)								GDU	2
						Ţ	80.53	1.60									器
.70	ES		0					-	roun	se grey fine to ded of various	coarse grave lithologies.	lly SAND. Grav Blowing condit	vel is fine sub ions.	rounded to well	0		
								-									
2.00	(S)	1,1,1 2,1,2						F									
	(5)	N=6.						ļ									器
								ţ									浴
								-							0		A A
								F							0		
		40-						Ļ							0		
.00	(S)	1,2,2 3,3,4						E	3.00	m bgl; becom	ning medium o	dense.					
		N=12.						-(3.40)							0	GDU	
								-									
								-							0		0
								Ŀ									0
1.00								-							0		0
	(S)	•						-									Q
								-							0		Ž.
								Ŀ									Ž.
								-							0		Ž,
							77.13	5.00									2
.00	(C)						77.10	- 5.00	Win	dowless samp	le hole compl	ete at 5.00m b	gl.				u v
	(S)							-									
								Ŀ									
								-									
								[
		Diamete						Reco						Strikes			
Depth	Diam	neter (mm)) R	emark	s (Core 7	Top (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asin
													1.60				
											No olfactory of No radiologic Groundwater	sample hole come evidence of conta al readings above encountered at	amination obser e background r 1.6m bal	ved.	ns.	'	

ιχL												
ğ[ŀ	Hole Diameter			Recovery				Water	Strikes		
	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
E LOG WOODF									1.60			
SP WINDOW SAMPLE							No olfactory e No radiologica Groundwater Unable to inst	narks sample hole com- evidence of contral readings abovencountered at tall windowless s	amination obser re background re 1.6m bgl. sample hole due	ved. ecorded. to blowing cond		

WSP	WINI	DOW SAMPLE	LOG	Hole	e No. WS140
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430	Client	Harrow Estates Plc		Dat	te 03-07-14 03-07-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Premier Tracker Compact 110	S McGeever	E 389819.590 N 381373.600		82.130

MPLE	S & TE						Denth				STRAT	A				Inst Bac
Туре	Test Result	PID (ppmV)	HSV (kN/m2	P.Pen (kN/m2	Water	Elev. (mAOD)				D	escription			Legend	Geology	Di 50 mi
						81.96	1 1	MAE	E GROUND:	ASPHALT.					TARMAG	
		0					(0.39)	asph	nalt and brick.	Gravel is fine	gravelly SAN to coarse ang	D wirh occasion	onal cobbles of ed of		GMG	
ES	٠	0					(0.34)	MAE fine	E GROUND: and medium s	Black slightly ubangular to	gravelly SAN rounded of va	D with frequer rious lithologie	it ash. Gravel is es.		GMG	
(C)	4,4,3 4,5,4				₹					nt grey mediu	m SAND. (GL	ACIAL DEPO	SITS). Blowing			
ES	N=16.	0					-									
(C)	2,2,3 4,5,6 N=18.						- - - - -									
							(3.10)								GDU	
(C)	٠						- - - -									
						78.13										
							-	vviii	uowiess samp	ie noie termii	ialeu al 4.00m	i bgi.				
							- - - - -									
Hole	Diamete	r					Recove	ery				Water	Strikes			
Dian	neter (mm	R	emark	s	Core	Fop (m)	Core Base	e (m)	% Recovery	Date	Time	Strike 1.10	Minutes	Standing	Ca	asing
										Windowless: No olfactory of No radiologic Groundwater	sample hole con evidence of cont al readings abov encountered at	amination obser re background re 1.1m bgl.	ved. ecorded.	ons		
	ESS (C) ESS (C)	Type Result ES (C) 4,4,3 4,5,4 N=16. ES (C) 2,2,3 4,5,6 N=18.	C C C C C C C C C C	Type Test Result	Type Test Result Q Q Q Q Q Q Q Q Q	Type Test Result	Type Test Result Q Q Q Q Q Q Q Q Q	Type Test Result Q Q Q Q Q Q Q Q Q	Type	Test	Type	Type Test Result	Type Test Result & & & & & & & & & & & & & & & & & & &	Type Result Q	Properation Properation	Type Test Result Resul

Hole No. **WINDOW SAMPLE LOG WS141** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project 1 of 1 Woodford Aerodrome Fax: Job No Client Date 30-07-14 70004430 Harrow Estates Plc 30-07-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389852.330 **Premier Tracker Compact** 82.440 Dynamic Sampling Ltd S McGeever N 381250.200 110

			Not								Window san Strong olfac bgl. No radiologi Groundwate	nple complete at tory evidence of cal readings abo r not encountere	hydrocarbon colove background in ed.	ntamination observe ecorded. one 2.0 to 5.0m bgl.	d from 0.4	5m to 2.0) m
											General Re	marks					
Depth	Dian	neter (mm)	R	temark	s	Core 7	Гор (m)	Core Ba	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
	_	Diameter						Reco						Strikes	o		-
.00 .00 Depth							11.44			dowless samp	le hole comp	olete at 5.00m	bgl.				
							77.44	- - - - - - 5.00									
.00	D (S)	5,5,6 7,8,10 N=31.						(2.90)								GDU	
.00	D (S)	3,2,4 3,5,5 N=17.		70				- - - -	2.90) - 3.00 m bgl;	Cobble of sa	ndstone					
.60	ES			110						,							
	(0)	N=10.						- - -	DEF	POSITS) - 2.60 m bgl;		, ,	OLAT. (GLA	JIAL .)		
.00	D (C)	3,2,3 3,2,2					80.34	- - 2.10		locally stiff ==	ddieh brown	eandy gravall	/ CLAY. (GLA	SIAI			
		N=0.						(0.90)	sand		rel is fine to o RFICIAL DE	coarse subang POSITS)		ightly gravelly inded of various		SUPD	
.00	(C)	Sw,Sw,Sw Sw,1,0					81.24	(0.75) - - 1.20								GMG	
.60	ES							-	MAE	DE GROUND: 5 - 1.20 m bgl r	Dark brown	mottled black		_			
.10	ES						81.99	(0.40)	Subr	rounded GRA\ DE GROUND:	/EL of aspha	ılt. andv GRAVEL	Gravel is fine	to coarse		GMG	
Depth	Туре	Result	Old (ppmV)	HSV (kN/m2)	P.Pe (kN/m	Water	(mAOD)	-ness)	MAG	DE CROLIND:		Description	ne and medium	n very angular to	Legend	Geology GMG	
		Test	≥	> &	ا تر زک	ē	Elev.	Depth	וי								D

Hole No. **WINDOW SAMPLE LOG** WS142 Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 30-06-14 70004430 Harrow Estates Plc 30-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389827.320 N 381259.670 **Premier Tracker Compact** Dynamic Sampling Ltd S McGeever 82.590

SA	MPLE	S & TE						I B #.				STRAT	A				Ins Ba
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	D 5 m
							82.54 82.39	0.05	MAE asph		Dark grey mo	ottled black fine	e and medium	GRAVEL of		GMG GMG	
							02.00	_(0.35)	MAE	E GROUND:	Light greyish	brown gravelly edominantly sa	/ SAND. Grav	rel is fine to BBASE).		GMG	
							82.04	- 0.55 -	\Gra\	el is fine and	medium very	clayey gravell angular to sub	y SAND with to	frequent ash. udstone, coal			
0.80	ES							_ _(0.65)	Firm	various litholo	y gravelly san	dy CLAY with a	rootlets. Grave	el is fine and		SUPD	
.00	(C)	1,2,1 2,1,3					81.39	- 1.20	litho	logies. (SUPE	RFICIAL DE	POSITS)					
		N=7.						- - -	angı orga	and stiff redd ular well round inic or sulphur - 1.50 m bgl;	led of various ous odour	• •	ravel is fine ai LACIAL DEPO	nd medium OSITS) - slightly			
								-							===		
2.00	(S)	4,3,4 4,5,5						-									
		N=18.						-									
								(2.70)								GDU	
								-									
3.00	(S)	4,5,4 7,8,8 N=27.						-									
		N-21.						-									
								-									
							78.69	3.90						SAND. Gravel			
1.00	(S)	3,4,4 5,7,8 N=24.				₹		-	is tin	ie subangular	to rounded of	r various litholo	gies. (GLACI/	AL DEPOSITS)			
								(1.10)								GDU	
l.70	ES							-									
5.00		4,4,4					77.59	5.00	Wine	dowless samp	le hole comp	lete at 5.00m b	ogl.				
	(S)	3,4,2 N=13.						-									
								-									
								-									
	Hole	Diameter	<u></u>					Recov	/ery				Water	Strikes			<u></u>
Depth	Dian	neter (mm)	R	emark	S	Core 1	Top (m)	Core Bas	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
													4.20				
											SLightly orga No radiologic Groundwater Windowless	sample hole com inic or sulphurous al readings above encountered at	s odour 0.55-1.2 e background r 4.2m bgl.	2m bgl.	one from 1	.0 to 5.0r	n
Scal	e 1:37	.5		es: All				etres. Lo	gs sh	ould be read i	bgl. n accordance	with the provi	ded Key. Des	criptions are base	ed on visu	ual and	

က္က																	
9	ŀ	Hole [Diameter					Recov	ery				Water	Strikes			
ORD	Depth	Diame	eter (mm)	Remark	ks	Core 7	op (m)	Core Base	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Cas	sing
WOODE													4.20				
E LOG																	
WINDOW SAMPLE											SLightly organ No radiologica Groundwater	narks sample hole cominic or sulphurous al readings abovencountered at a	s odour 0.55-1.2 e background re 4.2m bgl.	m bgl. ecorded.	e zone from 1.	0 to 5.0m	1

Hole No. **WINDOW SAMPLE LOG** WS143 Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Client Date 03-07-14 70004430 Harrow Estates Plc 03-07-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389730.140 **Premier Tracker Compact** Dynamic Sampling Ltd J Watson N 381410.720 82.410

	SAMPLES & TESTS											Inntall /
SA	MPLE	ES & TE	STS						STRATA			Install / Backfill
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)	Description	Legend	Geology	Dia. 50 mm
							82.36	0.05/	MADE GROUND: ASPHALT	0 4 4 6	TARMAC	SOR:
-							82.22 82.16	0.19	MADE GORUND: CONCRETE		CONC GMG	
+							82.01	0.40	MADE GROUND: Reddish brown sandy fine to coarse angular GRAVEL of		GMG	(650)
0.40-0.50	ES								broken brick.	$\langle \rangle \rangle$	GMG	
-							81.81	0.60	MADE GROUND: Firm brown sandy CLAY.	$\langle \times \rangle$		
+							81.71	0.70	MADE GROUND: Dark brown silty clayey fine SAND.		GMG	
ţ				30				Ė l	MADE GROUND: Brown slightly clayey medium SAND.	\bowtie		
L	_			40				(0.50)	MADE GROUND: Soft brown mottled grey sandy CLAY.	\bowtie	CMG	(65×16
1.00-1.45	D (S)	1,1,1 0,1,1				١,	81.21	1.20				
<u> </u>	(0)	N=3.				\blacksquare	01.21	1.20	Loose reddish brown clayey fine and medium SAND. (GLACIAL			
[=			DEPOSITS)		1	
-								-		- · · · ·	-	
<u> </u>								-				
[(1.10)			GDU	
+								-		F		
2.00-2.45	D	1,2,1						-				200
	(S)	2,2,1						Ī		<u> </u>		
-		N=6.					80.11	2.30		<u> </u>		
†								-	Firm low and medium strength reddish brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium angular to rounded. of various lithologies.			
[44 30					(GLACIAL DEPOSITS)			
:-				30				-				
<u></u>								- _(1.15)			GDU	
				34				_(1.13)			ODO	
3.00-3.45	D (S)	1,1,3 4,4,5						-				
<u>{</u>	(3)	N=16.						-				
:[78.96	- 3.45				
<u> </u>								-	Window sample terminated at 3.45m bgl			N V V
t								_	· · · · · · · · · · · · · · · · · · ·			
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Š –	Llola	Diameter						Dogs	Woter Chillian		<u> </u>	
II.	Hole	Diameter	I					Recov	very Water Strikes			

08 WSP WINDOW SAMPLE LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION GPJ WSPETEMPLATE1.03.GDT 11/12/14 Hole Diameter Recovery Water Strikes Diameter (mm) % Recovery Depth Remarks Core Top (m) Core Base (m) Date Time Strike Minutes Standing Casing 1.30 General Remarks Windowless sample hole complete at 3.45m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 1.3m bgl. Hole backfilled upon completion.

Scale 1:37.5

Hole No. **WINDOW SAMPLE LOG WS144** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 30-06-14 70004430 Harrow Estates Plc 30-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389661.190 N 381327.200 **Premier Tracker Compact** Dynamic Sampling Ltd 82.040 S McGeever

MPLE	S & TE	STS	_	_			Donth	1			STRAT	A				Insta Bac
Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	(Thick			C	escription			Legend	Geology	Di 5 m
						04.70	-		DE GROUND:	ASPHALT.				XX	GMG	
D (C)	6,10,8 7,7,6 N=28.	0					- - - - -(1.25)	MAI fine							GMG	
(C)	2,2,1 1,1,2 N=5.	0				00.04	- - - - - - - - - - - - - - - - - - -	MAE cobb	oles. Gravel is	fine to mediu	ım subangular	to subrounde	d of		GMG	-
ES						79.44	2.60	MAE	DE GROUND: to coarse sub	Brown mottle angular to rou	ed black very g unded of brick	ravelly sandy and various lit	CLAY. Gravel is hologies.		GMG	=
(C)	2,1,1 0,3,4				<u>*</u>	78.94	3.10		very low and	low strength i	eddish brown	sandy CLAY.	(GLACIAL			
ES	N=8.		20			78 30	_(0.55) - - 3.65		POSÍTS)						GDU	
D (C)	1,1,2 2,4,4 N=12.							Med (GL			tled black fine	and medium (SAND.		GDU	
(C)	1,2,1 2,4,5 N=12.		130				(0.50)	Stiff and DEF	medium suba POSITS)	ngular to weli	rounded of va	rious lithologi			GDU	
Hole	Diameter						Reco	verv				Water	Strikes			<u>_</u>
_		_	emark	s	Core :	Top (m)			% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
										Windowless Slight hydrod No radiologic	sample hole con arbon odour end	ountered at 2.6 e background r	0m bgl.			
	DD (C) (C) ES (C) ES (C)	Type Test Result D 6,10,8 7,7,6 N=28. (C) 2,2,1 1,1,2 N=5. ES . (C) 0,3,4 N=8. ES . D 1,1,2 2,4,4 N=12. (C) 1,2,1 2,4,5 N=12.	C) 6,10,8 7,7,6 N=28. (C) 2,2,1 1,1,2 N=5. ES	Type	Type Result Q (\frac{1}{\lambda}\) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Type Test Result G G G G G G G G G	Type	Type Result	Type Test Q Q Q Q Q Q Q Q Q	Type Test Result 2	Type	Type Test Result Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	Type Test Result Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	Type Test Result 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Type Result Co Co Co Co Co Co Co C	Test Result Res

9	ŀ	Hole Diameter			Recovery				Water	Strikes		
ORD	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
LOG WOODF									3.10			
WINDOW SAMPLE							Slight hydroca No radiologica Groundwater	harks cample hole com arbon odour enc al readings abov encountered at upon completio	ountered at 2.60 e background re 3.1m bgl.	om bgl. ecorded.	.0m bgl.	

Hole No. **WINDOW SAMPLE LOG WS145** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 27-06-14 70004430 Harrow Estates Plc 27-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389688.380 **Premier Tracker Compact** 81.970 Dynamic Sampling Ltd S McGeever N 381303.740

SAMPLES & TESTS							STRATA									Insta Bac	
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				С	escription			Legend	Geology	Dia 50 mr
0.30	ES		0				81.92 81.77 81.52	0.20	MAI	DE GROUND: Iominantly lime	Light grey m estone	/EL of asphalt. edium very and	gular GRAVEL	/		TARMAC GMG GMG	
_ 1.00	(S)	0,1,1		56		1	80.77	(0.75)	And coal MAI Grav vario	medium very : DE GROUND:	angular to su Firm dark gro parse very an	ingular to subangular of predominantly burnt shale and Firm dark greyish brown slightly sandy gravelly CLAY. arse very angular to subrounded of sandstone, brick and				CMG	
	(3)	0,1,1 N=3.		25		<u></u>	00.77		Soft matt	greyish browr ter. Gravel is fi logies. (SUPE	ine and medi	dy gravelly CLA um subangular POSITS)	AY with occasing to rounded of	onal organic f various			
2.00	D (S)	1,1,1 1,1,1 N=4.						- - - - -							___________________		
- 3.00	D (C)	Sw,1,1 1,1,1		26				(2.70) - - - -								SUPD	
3.40	ES	N=4.	0	10				- - -		5 m bgl; organi							
- 4.00	(C)	2,2,1 0,1,3 N=5.				2 <u>−</u>	78.07	3.65 m bgl; wood fragment. 2. Loose brown slightly gravelly coarse SAND. Gravel is fine and medium subangular to well rounded of various lithologies. (SUPERFICIAL DEPOSITS)							0	SUPD	
				20			77.50 76.97	(0.53)				brownish grey atter. (SUPER		gravelly CLAY SITS)	___________________	SUPD	
5.00	(C)	2,3,4 5,6,7 N=22.					70.37		5.00	5.0m bgl; Wii	ndowless sar	nple hole comp	olete at 5.00m	bgl			<u> </u>
Hole Diameter						Recovery				Water Strikes							
Depth	_	neter (mm)	_	emark	s	Core -	Гор (m)			% Recovery	Date	Time	Strike 1.20 3.90		Standing	Ca	sing
											No visual or No radiologio Damp at 2.1	sample hole con olfactory evidence al readings reco n, wet at 3.9m b	e of contaminat rded above bac gl.	ion observed.	1.50 to 5.	00m bgl.	
Scal	e 1:37	.5				ensio		etres. Lo	ogs sh	nould be read i	in accordance	e with the provi	ded Key. Des	criptions are base	ed on visu	ual and	

Hole No. **WINDOW SAMPLE LOG WS146** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 30-06-14 70004430 Harrow Estates Plc 30-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389724.130 N 381303.430 Premier Tracker Compact S McGeever 82.180 Dynamic Sampling Ltd

110

SAN	1PLE	S & TES	STS									STRAT					Inst
Depth -	Гуре	Test	Ð. V	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev.	Depth				escription			Legend	Geology	Bac Dia 50
2004.	,,,,,	Result	<u> </u>	ΞÃ	<u> </u>	×	(mAOD)	-ness)							Logona		m
0.20	ES						82.08	- -(0.60)	MAE GRA brick	AVEL of predo	Black sandy		um angular to with occasiona			TARMAC GMG	
1.00	D (C)	1,1,1 0,1,2 N=4.					81.48		MAE with	occasional or	ganic matter.		d black slightly	ŕ		CMG	
							80.28	(0.50)	to w	ell rounded of	various lithol	ogies. (SUPEF	RFICIAL DEPO	,	0	SUPD	
2.00	D (S)	1,1,0 1,1,0 N=2.					79.88	_ -(0.40) 2.30	subr DEP	ounded to wel	wn slightly gravelly sandy CLAY. Gravel is fine to coarse rounded of various lithologies. (SUPERFICIAL ownish grey slightly sandy silty CLAY with organic				SUPD		
						\$	79.18	(0.70)	matt	to firm dark bi er. (SUPERFI			SIIIY CLAY WITI	ii organic		SUPD	
3.20	(C) ES	Sw,1,0 0,1,0 N=1.				<u>*</u>		Loose brown clayey sandy fine and medium, subrounded to well rounded GRAVEL. Gravel is fine and medium subrounded to well rounded of various lithologies. (SUPERFICIAL DEPOSITS)						0000	SUPD	\$2555 \$2555	
4.00	D (C)	2,2,3 2,4,5 N=14.						Medium dense brown slightly gravelly sandy CLAY. Gravel is fine and medium subangular to well rounded subangular of various lithologies. (GLACIAL DEPOSITS)								GDU	
5.00	(C)	2,4,5 C) 6,6,6 N=23.				77.18 5.00 W			Windowless sample hole complete at 5.0m bgl.								
	Hole I	Diameter						- - - - - - Reco	very				Water	Strikes			
Depth	T	Diameter (mm)		-		Core 7	Top (m)	Core Bas		% Recovery	Date	Time	Strike		Standing	Ca	asing
											No olfactory No radiologic Groundwater	pple complete at evidence of hydrological al readings above encountered at	rocarbon contam ve background ro 3.0m bgl.	nination observed.			
Scale	1:37.	5		es: Al				etres. Lo	ogs sh	ould be read i	Groundwater Hole backfille	encountered at d upon complet	3.0m bgl. ion.	ecorded. criptions are base	ed on visu	ıal and	

3[Hole Diameter			Recovery		Water Strikes						
쥙	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing	
3									3.00				
31													
>													
ဒို													
빞													
Σ							General Rem						
S								ple complete at		ination about	-d		
Š∣							No olfactory evidence of hydrocarbon contamination observed. No radiological readings above background recorded.						
$\frac{2}{2}$							Groundwater encountered at 3.0m bgl.						
\$							Hole backfille	d upon completi	on.				
הׁ			Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and										

Hole No. **WINDOW SAMPLE LOG WS147** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 27-06-14 70004430 Harrow Estates Plc 27-06-14 Co-Ordinates (NGR) Logged By Contractor / Driller Method/Plant Used Ground Level (m AOD) E 389562.640 N 381465.600 **Premier Tracker Compact** Dynamic Sampling Ltd S McGeever 86.560

SAI	MPLE	S & TE	STS									STRAT	A				Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	Di 5 m
							00.44	-ness)	MAC	DE GROUND:	ASPHALT.					TARMAC	250
							86.41 86.26	0.15				gravelly SANI	D with frequer	nt ash. Gravel is	$\Diamond \Diamond$	GMG	
).25	ES		0				86.16		fine	and medium a	angular to sub	rounded of val	rious lithologie	es.	$\not\longleftrightarrow$	GMG	Ø
								[]			<u> </u>	bble of sandsto			1		饺
								- 1	Loos	se orange fine	SAND. (GLA	CIAL DEPOSI	IS)				
								-(0.80)								GDU	8
								ĿI									8
.00	(C)	2,2,2 2,2,3					85.36	1.20									
	(0)	N=9.					00.00	1.20	Loos	se light whitish	orange med	um SAND. (G	LACIAL DEPO	OSITS)			
								-									
																	X
								-									2
								-(1.20)								GDU	Ž
2.00	D	1,2,2						-									D.
	(C)	2,2,2 N=8.						[NO.
		IN-O.					84.16	2.40									
								F	Loos	se brownish g	ey medium a	nd coarse SAN	ND. (GLACIAL	DEPOSITS)			8
								<u> </u>									
								(0.90)								GDU	1
						1		_(0.90)								GDU	S S
3.00	D (C)	1,2,1 2,2,2				Ţ		-									
		N=7.					83.26	3.30									
3.20	ES	•	0					-	Med	ium dense red OSITS). Blow	dish brown n	nedium and co	arse SAND. (GLACIAL			
									DLI	OOITO). DIOW	ing condition.	o.					
								-									
								Γ Ι									2
1.00	D	5,6,6						- 1									TO TO
	(C)	4,5,11 N=26.						(1.70)								GDU	No.
		20.															N.
1.50		9,11,13						-									Ø
1.50	(C)	12,12,12															
		N=49.						-									
							81.56	5.00									
								-	5.00	Windowless	sample hole o	complete at 5.0	00m bgl.				
								[
								t l									
								-									
								ţ									
								-									
Depth	_	Diameter	т —	emark		Coro 3	Fon (m)	Recov Core Bas		% Recovery	Date	Time	Water Strike	Strikes Minutes	Standing	0.0	noin.
ьеріп	Dian	neter (mm)	K	cmdrk	.s 1	core l	Гор (т)	OUIE BAS	e (III)	70 Necovery	Date	rime	3.10	iviiriutes	otanuing	Ca	asing
											Consession	norke					
											No visual or on No radiologic Groundwater	sample hole com olfactory evidence al readings reco encountered at	e of contaminated above bac approximately 3	ion observed. kground.			
		.5	Not	20: AI	l dim	oncio	no in m	otroo Lo		ould be reed i		· · · · · · · · · · · · · · · · · · ·		criptions are base	nd on viou	ıal and	

		Hole Diameter			Recovery				Water	Strikes		<u>'</u>
ORD	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
WOODF									3.10			
LE LOG												
SP WINDOW SAMPLE							No visual or o No radiologica Groundwater	sample hole com lfactory evidence al readings reco encountered at	nplete at 5.00m l be of contaminati rded above back approximately 3 ble hole due to b	ion observed. kground.	s.	
Ŕ	0 1 -	4.07.5	Notes: All dir	mensions in m	netres Logs sh	ould be read	in accordance	with the provi	ded Key Desi	crintions are b	ased on visua	al and

Hole No. **WINDOW SAMPLE LOG WS148** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 27-06-14 70004430 Harrow Estates Plc 27-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389508.660 **Premier Tracker Compact** 87.040 Dynamic Sampling Ltd S McGeever N 381512.410

SAI	MPLE	S & TE	_					Danth				STRAT	Ā		1	I	Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Γ	Description			Legend	Geology	Di 5 m
							86.84	L '	MAE	DE GROUND:	ASPHALT.					TARMAC	
							86.54	(0.30)				andy fine to comminantly limes		ular to		GMG	
						<u>1</u>	86.44		MAI	DE GROUND:	Dark brown	slightly gravell unded of vario	y sandy CLAY	. Gravel is fine		CMG	ı
).80			0			-		-				AND. (GLACIA)			
.00		1,1,1						(0.70)								GDU	
.00	(C)	1,1,1 1,1,1 N=4.					85.74	1.30									
40	FC						00.74	- 1.50	Soft	reddish brown	slightly san	dy slightly grav	elly CLAY. Gr	avel is fine and	<u></u>		
.40 .50	ES		0					-		ium subangula POSITS)	ar to well rou	nded of variou	s lithologies. (GLACIAL			
								-									
								- (1.40)								GDU	
2.00	D (S)	1,1,1 3,3,4						(1.10)								ODO	
		N=11.						_									
								-									
							84.34	2.70	Med	ium dense ligt	nt orangish re	eddish brown r	medium and co	parse SAND	-		
										ACIAL DEPOS							
.00	D (C)	4,6,6 7,7,11	0					-									
	(0)	N=31.						(1.15)								GDU	
								-									
								-									
							83.19	- 3.85 -	Med	ium dense vel	lowish areen	ish brown mot	tled dark red a	and black slightly			
1.00	D	3,4,4						_		ey SAND. (GL							
1.20	(C) ES	3,3,3 N=13.						-(0.70)								GDU	
1.20	ES	•					82.49	- - 4.55									
							02.10	-		ium dense wh	itish reddish	brown fine and	d medium SAN	ND. (GLACIAL			
								-(0.45)	DEF	-03113)						GDU	
5.00		3,4,5					82.04	5.00	5.00	5.0m bgl; Wir	ndowless sar	nple hole com	plete at 5.00m	bgl.			
	(C)	5,5,6 N=21.								0,				•			
								_									
	Hole	Diameter	r		T	<u> </u>		Recov	very				Water	Strikes			
Depth	Diam	neter (mm)	R	emark	s	Core ⁻	Гор (m)			% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
													0.70				
											No visual or No radiologic	sample hole cor olfactory eviden cal readings abo	ce of contamina ve background i	tion observed.	n approxim	nately 0.60	0m
			1		- 1									rom 1.0 to 5.0m bg			

Hole No. **WINDOW SAMPLE LOG WS149** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 30-06-14 70004430 Harrow Estates Plc 30-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389778.530 N 381337.140 **Premier Tracker Compact** 82.390 Dynamic Sampling Ltd S McGeever

3,3,3,3) 2,6	3,2 ,6,4 =14.	(Audd) 0	HSV (KN/m2)	P.Pen (KN/m2)	Water	Elev. (mAOD) 82.14 81.99	-ness) - 0.25 - 0.40 - 0.65	MAD asph Soft		CONCRETE	dium dark grey	v mottled black	GRAVEL of	Legend	Geology CONC GMG	Dia 50 mm
) 2,6 N=	,3,2 ,6,4	0				81.99	- 0.25 - 0.40 - 0.65	MAD asph Soft	DE GROUND: nalt to firm dark br	Fine and med	dium dark grey	mottled black	GRAVEL of			2020
) 2,6 N=	,6,4					81.99	- 0.40 - 0.65	asph Soft	alt to firm dark br			mottled black	GRAVEL of			
) 2,6 N=	,6,4						- 0.65	asph Soft	alt to firm dark br			mottica biaci	COLOTALEO	\Leftrightarrow	GIVIG	<u> </u>
) 2,6 N=	,6,4					81.74	0.00			rown slightly s			/	F	ODLI	W
) 2,6 N=	,6,4	1					- - -	Medi	ium dense bro					× -×	GDU	X
6		1					-			ownish orange	e very siity SAr	ND. (GLACIAL	DEPOSITS)	× · · · · · · · · · · · · · · · · · · ·		STATE OF STA
3,4	,4,3				1		(1.55) - - - - -	1.40	- 1.60 m bgl;	Slight hydrod	arbon odour a	t 1.4m to 1.6n	1.	× × × × × × × × × × × × × × × × × × ×	GDU	
) 4,4	,4,5				<u></u>	80.19		Medi	ium dense ligh	nt reddish bro	wn medium S <i>i</i>	AND. (GLACIA	AL DEPOSITS)			
4,6	,6,7						- - - - -(2.80)								GDU	
5,6	,6,6						- - - - - - - -									
) 3,4	,4,5					77.39		Wind	dowless samp	ole hole compl	ete at 5.0m bç	j l.				
ole Diar	meter			<u> </u>			Recov	ery				Water	Strikes			<u></u>
iameter	r (mm)	Re	emark	s (Core 7	Top (m)	Core Base	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
										Window Sam Olfactory evid No radiologic Groundwater	ple complete at dence of hydroca al readings abov seepage at 2.2r	5.00m bgl. arbon contamina re background n n bgl.	tion observed at 1.4 ecorded.	4m to 1.6m	l.	
_ (i)	3 3 4 N N S 5 N S	3,2,5 4,6,7 N=22.	3.2.5 4.6.7 N=22. 3.4.5 5.6.6 N=22. 3.3.4 3.4.5 N=16.	3,4,5 5,6,6 N=22. 3,4,5 5,6,6 N=22. Remarks	3.2.5 4.6.7 N=22. 3.4.5 5.6.6 N=22. 3.3.4 3.4.5 N=16. le Diameter ameter (mm) Remarks	3,4,5 3,4,5 5,6,6 N=22. Semantic Sem	3,2,5 4,6,7 N=22. 3,4,5 5,6,6 N=22. 77.39 18. Diameter ameter (mm) Remarks Core Top (m)	4,4,5	3.2.5 4.6.7 N=22. 3.3.4.5 5.6.6 N=22. 1.	4,4,5	4.4.5 N=16. Solid Solid	80.19 2.20 Medium dense light reddish brown medium Solution (2.80) 3.2.5 4.6.7 N=22. 77.39 5.00 Windowless sample hole complete at 5.0m bg 78.5 N=18. Recovery Recovery Remarks Core Top (m) Core Base (m) % Recovery Date Time General Remarks Window Sample complete at Olfactory evidence of hydroca No radiological readings of Core No radiological readin	Solution Solution	3.2.5 N=16. 3.2.5 A, 6.7 N=22 3.3.4 3.4.5 N=16. Part	Solid Soli	Section Sect

WSP	WINI	DOW SAMPLE	LOG	Hole	WS150
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome		Shee	et 1 of 1
Job No 70004430	Client	Harrow Estates Plc		Date	30-06-14 30-06-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	(Ground Level (m AOD)
Dynamic Sampling Ltd	Premier Tracker Compact 110	S Weston	E 389594.760 N 382472.200		91.970

SAI	MPLE	S & TE	STS									STRAT	Α				Ins Bad
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	D
							01 77		MAE	DE GROUND:	Grass over b	rown SILT with	n many rootle	ts. (TOPSOIL)		CMG	
							91.77 91.72	0.25	(MA	DE GROUND) Stiff brown (CLAY			- XXXX	MG	×
							91.61	0.36	Gras	ss over brown	slightly claye	y SILT with ab	undant rootlet	s. (POSSIBLE		GDU	2
).50	ES			86						ICT TOPSOIL		al. ali alath. ailt.	aliadath casas	II ala itha	/	0.5	2
								(0.54)	rootl	to stiff brown lets. Occasion	speckied bia al grey mottlii	ck slightly slity ng in places ar	sligntly grave nd rare sandy	partings.		GDU	22
							91.07	0.90	(GL/	ACIAL DEPOS	SITS)						Įģ.
.00	ES	2,2,3						-	Stiff	medium stren k smearing. (C	gth brown CL	AY with rare li	ght grey mott	ling and rare			Ø
.00	(S)	2,3,3		66					Diac	ik sineaning. (C	DEAGIAE DEI	00110)			<u> </u>		Ø
		N=11.		76				-									檢
				'				[
				96				t l	1.50) m bgl; becom	iing stiπ nign	strengtn			F		
				102				(1.70)							-	GDU	
								Ł I									
2.00	(S)	2,3,3 4,5,4		114				-							+=-		
	(-)	N=16.		108				ļ							<u> </u>		X
				114				-							F		K
				62			89.37	2.60	NA - 1	Bross alam - P. C.	-4 laura	Ene CAND (C	LACIAL DED	OCITO)	+		K
								<u> </u>	ivied	lium dense ligh	11 Drown silty	iine SAND. (G	LACIAL DEP	USI15)	× . × .		
								-							×		
.00		3,4,4													×		12
	(S)	5,5,6 N=20.													× .		E S
								-(1.40)							×	GDU	Ž
								-							×		TO TO
								-							` . ` .× .		
															×		No.
1.00		4,4,5					87.97	4.00	4.00) Windowless s	sample comp	lete at 1m hal			 		R
	(S)	5,6,6 N=22.							7.00	, willidowiess .	sample comp	iete at -i iii bgi					
		14-22.						-									
								-									
								-									
								-									
								<u> </u>									
								-									
								-									
								-									
								-									
					_												
Dorth	_	Diameter neter (mm)	_	emark	+	Coro 7	Fon (m)	Recov Core Bas		% Recovery	Date	Time		Strikes	Standing		001-
Depth	Dian	icici (IIIII)	,	oridiK	9	JUIE	Top (m)	OUIE DAS)c (III)	70 NECOVERY	Date	Time	Strike	Minutes	Standing		asin
																\perp	
											General Rer		nolate at 4.0== !	al Noviews 'f	notoni	noo -f	
											contaminatio	n observed. No i	adiological read	ogl. No visual or olf dings above backg	round recor	ded.	
			1								Groundwater	not encountered	 Hole backfille 	d upon completion	. NOTE: W	S153 NC	JΤ
											COMPLETE)					
														criptions are bas			

Hole No. **WINDOW SAMPLE LOG WS151** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 30-06-14 70004430 Harrow Estates Plc 30-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389535.000 **Premier Tracker Compact** Dynamic Sampling Ltd 88.530 S Weston N 382420.560

SA	MPLE	S & TE	STS									STRAT	A				Ins Bad
Depth	Туре	Test Result	PID (bpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)				escription			Legend	Geology	Di 5 m
							88.33 88.18	0.20	rootl	lets. Rare sub	rounded fine	orown slightly c gravel (TOPSC slightly sandy C	DIĽ)			CMG	
0.50	ES			82			00.10	(0.35)	and	rare sandy po	ckets (<20mi				-/ ***	CMG	ı
				02		<u></u>	87.83	-		DE GROUND:	Pinkish grey	very sandy an	gular fine to c	oarse GRAVEL		0.40	I
1.00	(S)	0,0,0 0,1,0		20		÷	87.43				Soft low stre	ngth brown mo	ottled grey CL/	AY with rare		GMG	
		N=1.		30 16			87.13	_(0.30) 1.40	angı	ular fine grave	l.	anic CLAY. (SI				CMG	-
.50	ES			36 26				(0.60)		3	3 3 3	(1)		,	<u> </u>	SUPD	
2.00		1,1,1					86.53	2.00	Loos	se light brown	silty fine SAN	ID. (GLACIAL	DEPOSITS)		/ ₇		
2.10	(S) ES	1,1,1 N=4.					86.13	-(0.40) - 2.40	2000	so light brown	only mile of a	ib. (OE) toll te	<i>DE</i> 1 00110)		×	GDU	
				21 32				(0.43)	Soft	locally firm lov	w strength bro	own CLAY. (GI	LACIAL DEPO	OSITS)		GDU	
							85.70	_ 2.83 -	Med	ium dense ligl	nt brown fine	SAND. (GLAC	CIAL DEPOSIT	ΓS)			
3.00	(S)	2,3,3 3,3,4 N=13.						(0.82)								GDU	
							84.88	- - - 3.65									
								- - -	Med	lium dense ligl	nt brown fine	and medium S	SAND. (GLAC	IAL DEPOSITS)		
1.00	(S)	3,3,4 4,3,4 N=15.						(0.80)								GDU	
							84.08	- 4.45 - -	Win	dowless samp	le complete a	at 4.45m bgl					
								- - -									
								- - -									
								- - -									
								- - -									
	Hole	Diameter						Recov	very				Water	Strikes			
Depth	Dian	neter (mm)	R	emark	s	Core -	Top (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike 0.90	Minutes	Standing	Ca	asing
											Onnered D						
											contaminatio	sample hole con n observed. No i encountered at	radiological read	bgl. No visual or o dings above back installed upon cor	ground recor	ded.	one
	e 1:37		Note	es: Al	l dim	ensic	ne in me	atrae I o	vac ob	ould be reed i			ided Key Dee	criptions are ba	and an view	ıal and	

ıδ																		
S C		Hole	Diameter	-					Reco	very				Water	Strikes			
240	Depth	Dian	neter (mm)		Remark	(S	Core	Top (m)	Core Ba	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
WOODFO														0.90				
LE LOG																		
INDOW SAMP												contamination	sample hole com n observed. No r encountered at	adiological read	ings above back	ground record	led.	one

WSP		WINE	OOW SAMPLE	LOG	Hol	e No. WS152
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 30-06-14 30-06-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	S Weston	E 389467.210 N 382186.550		87.060

SA	MPLE	S & TE	STS								STRAT	A				Install / Backfill
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)		D	escription			Legend	Geology	Dia. 50 mm
							86.86		MADE GROUND: G rootlets. (TOPSOIL)	rass over b	rown slightly s	andy CLAY w	ith many		CMG	
							86.71	- 0.35	MADE GROUND: Bi		y sandy slightly	y gravelly CLA	AY. Gravel is	\gg	GMG	
0.50	ES						86.16	(0.55)	MADE GROUND: Si medium to coarse lin	iff brown sli	ghtly gravelly d subrounded	CLAY. Grave fine various li	l is angular thologies.		MG	
1.00	ES (S)	1,1,1 1,1,1 N=4.		82 74				-	Stiff medium to high gravelly CLAY. (GLA	strength br CIAL DEP	own mottled gr OSITS)	rey slightly sa	ndy slightly			
-				98 114				(1.70)							GDU	
_2.00	(S)	2,3,3 4,4,4 N=15.		122 70			84.46	2.60								
								-	Loose orange brown DEPOSITS)	slightly gra	velly fine and	medium SAN	D. (GLACIAL			
3.00	(S)	1,1,1 1,2,2 N=6.					83.06	-(1.40) - -(1.40) - - - - - 4.00	3.00 - 4.00 No Reco	very					GDU	
-							83.00		4.00 Window sample	e complete	at 4.0m bgl					
<u></u>	<u> </u>	D			<u></u>			<u> </u>	Т							
Donth		Diameter	_	omorl	-	Coro -	Top (m)	Recov		Data	Timo	Water	Strikes	Standing		oina

Hole Diameter

Depth

Diameter (mm)

Remarks

Core Top (m)

Core Base (m)

Remarks

Core Top (m)

Core Base (m)

Recovery

Date

Time

Strike

Minutes

Standing

Casing

General Remarks

Windowless sample hole complete at 4.0m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded.

Groundwater encountered at 3.0m bgl. Hole installed upon completion. Response zone 1.0 to 3.0m bgl.

08 WSP WINDOW SAMPLE LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ WSPETEMPLATE1.03.GDT 11/12/14

WSP	WINI	DOW SAMPLE	LOG	Hole	WS154
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome		She	et 1 of 1
Job No 70004430	Client	Harrow Estates Plc		Dat	e 27-06-14 27-06-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Premier Tracker Compact 110	J Kinchington	E 389691.010 N 382276.050		87.210

SA	MPLE	S & TE										STRAT	·A				Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			[Description			Legend	Geology	Di 50 mi
0.20	ES		0				86.81	(0.40)	Gras med	ss over brown lium subangul	gravelly fine ar to rounded	SAND with roo l of various lith	otlets. Gravel i ologies. (TOP	s fine and SOIL)	1/2 1/2 1/2 1/2 2/1/2 1/2	TS	
0.60	ES		0				00.01	-	Med DEF	ium dense ora POSITS)	ange and ligh	t brown fine ar	nd medium SA	ND. (GLACIAL			
1.00		3,3,4						- -									
.00	(S)	4,5,5 N=18.						-								0.511	
								_(2.10) - -								GDU	
2.00	D (S)	4,4,4 4,3,4						-		m bgl; becom		rown					
	(3)	N=15.					84.71	2.50									
							84.51				•	Y. (GLACIAL D				GDU	
							84.41	2.80	$\overline{}$			SAND. (GLAC		,	×	GDU	
3.00	D (S)	1,1,1 2,1,1 N=5.						- - -		POSITS)	n drown siign	tly silty slightly	sandy CLAY.	(GLACIAL	×		
		14 0.				±		- -(1.20)							× × ×	GDU	
							83.21	4.00		m bgl; becom					× ×		
-	D (S)	2.2.2 3.3,4 N=12.								dow Sample o	ompice at 1	om og.					
	Hole	Diameter	<u> </u>					Recov	very				Water	Strikes			
Depth	Dian	neter (mm)	R	emark	s	Core 7	Гор (т)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
											contamination	sample hole con n observed. No	radiological read	bgl. No visual or dings above back pletion. Respons	ground recor	ded. Sligh	ntly
Scal	e 1:37	.5		es: Al				etres. Lo	ogs sh	nould be read i	,			criptions are ba			

WSP	WIN	DOW SAMPLE	LOG	Hole	• No. WS155
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome	3	She	et 1 of 1
Job No 70004430	Client	Harrow Estates Plc		Dat	e 27-06-14 27-06-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Premier Tracker Compact 110	J Kinchington	E 389723.890 N 382426.770		88.860

SA	MPLE	S & TE			_	}		Depth				STRAT	A				Ins Ba
Depth	Туре	Test Result	(Vmqq)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				Г	Description			Legend	Geology	n
							88.66	0.20				rown gravelly to subrounde			XX	GMG	
0.20	ES						88.46	0.40	\(TOI	PSOIL).	· ·			/		GMG	
0.40	ES						00.40	_	\MAE \angı	DE GROUND: ular to subrour	Light grey fir nded GRAVE	ne to coarse SA L of various lit	AND and fine hologies.	to coarse		GMG	ı
0.70						-	88.16	_(0.30) 0.70	MAE of as		Black fine ar	nd medium ano	gular and suba	angular GRAVEL		GIVIG	
J.70	ES	•						- -			own fine and	medium SANE). (GLACIAL [DEPOSITS)			
1.00	(6)	3,4,4						 -(0.80)								GDU	
	(S)	5,5,6 N=20.						-` ´ -									
							87.36	1.50									
								-	Med	ium dense bro	own silty fine	SAND (GLACI	AL DEPOSIT	S)	×		
								-							×		
								- -							×		
2.00	D (S)	4,4,5 6,6,6						-							×		
		N=23.						-							×		
								-							×		
								(2.50)							×	GDU	
								_(2.50) -							×	GDO	
3.00	D	2,2,2						-	3.00	m bgl; loose					. · ×		
	(S)	1,2,2 N=7.						-							×		
								-							×		
								-							×		
								- -							×		
							84.86	4.00		m bgl; mediu					×		
4.00	(S)	3,4,4 5,6,6						-	Win	dow sample c	omplete at 4.	00m bgl.					
		N=21.						-									
								-									
								-									
								-									
								-									
								-									
								- -									
								- -									
								-									
								-									
	Hole	Diamete	r					Recov	ery				Water	Strikes			
Depth	Dian	neter (mm) R	emarks	s C	Core T	op (m) (Core Bas	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asin
											General Re						
											contamination	n observed. No	radiological read	bgl. No visual or olfa dings above backgro	und recor	ded. No	_
											groundwater	encountered. H	lole installed up	on completion. Resp	onse zone	e 1.0 to 4.	.0m.
Sca	le 1:37	.5				ensio icatio		tres. Lo	gs sh	ould be read i	in accordance	e with the provi	ided Key. Des	criptions are base	ed on visu	ual and	

WSP		WINE	OOW SAMPLE		Hole	e No. WS156
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 27-06-14 27-06-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	J Kinchington	E 389899.160 N 382412.410		86.000

- SA	MPLE	S & TE	STS									STRAT	A				Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			C	escription			Legend	Geology	Di 5 m
0.30	ES						85.50	(0.50)	rootl	DE GROUND: lets. Gravel is logies. (TOPS	fine to coarse			ne SAND with of various		GMG	
							85.30		Dark	k brown slightly lets. Gravel is	y gravelly clay	yey SAND with	n organic matte	er including		SUPD	ı
0.80	ES						00.00	(0.30)	litho	logies.						GDU	
1.00	D	2,1,1					85.00	1.00		t grey and bro							
	(S)	1,2,1 N=5.						- - - -		riodany sort ng	nt brown sail	NY 012 (11. (01.	NOME BELLO	5116)			
2.00	D (S)	1,0,1 1,1,1 N=4.						- -(1.80) - - - -								GDU	
								-	2.50	m bgl; becom	ing brown ar	nd grey					
							83.20	2.80									
- 3.00 - 4.00	D (S)	1,1,0 1,1,1 N=3.				<u></u>	82.00	-(1.20)		se brown fine a		,	,,			GDU	
								- - - - - - - - - - - -									
	Hole	Diameter	r					Recov	very				Water	Strikes			
Depth	Diam	neter (mm)	R	emark	S	Core 7	Гор (т)	Core Bas	se (m)	% Recovery	Date	Time	Strike 3.00	Minutes	Standing	Ca	asing
											contaminatio	sample hole cor n observed. No encountered at	radiological read	bgl. No visual or dings above backee installed upon c	ground recor	ded.	one

Hole No. WS157 **WINDOW SAMPLE LOG** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project 1 of 1 Woodford Aerodrome Fax: Job No Client Date 27-06-14 70004430 Harrow Estates Plc 27-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 390029.450 **Premier Tracker Compact** 85.560 Dynamic Sampling Ltd J Kinchington N 382352.740

SA	MPLE	S & TE	STS									STRAT	A				Insta Back
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	Dia
-							85.36	-ness) - 0.20	(Grav	DE GROUND: vel is fine to co PSOIL)	Crops over boarse angular	rown slightly g to subrounded	ravelly SAND d of various lit	with rootlets. hologies.		GMG	
- - - 0.50	F0						85.06 84.96		MAE		Light grey an us lithologies.	d brown sandy	fine to coars	e angular		GMG	
0.50	ES	•					04.90	0.00				r fine and med			X 	GIVIG	100
0.70	ES							-	Loos	se orange bro	wn slightly gra	velly fine and ded of various	medium SAN	D. Gravel is fine			100
- 4.00	_	4.4.4						Ē.		POSITS)	ana babiban	aca or various	maiologico. (C		0		
1.00	D (S)	1,1,1 1,2,1															院
		N=5.						-							0		REC.
						₹		-	4.50		(.						
								-	1.50	m bgl; gravel	becoming co	arse.			0		
								(2.30)								GDU	
-								_							0		R
2.00	D (S)	1,0,1 1,0,1						-									R
	` ′	N=3.						[0		1
								-							0		
								-									
							82.66	2.90									
							82.56		Soft	brown sandy	CLAY. (GLAC	CIAL DEPOSIT	S)		- 0	GDU	
3.00	D (S)	1,2,1 1,1,1						-	Win	dow sample c	omplete at 3.0)m bgl					
	Hole	Diamete			\Box			Recov	very				Water	Strikes			
Depth	Dian	neter (mm	R	emark	s	Core 7	Гор (т)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
											contamination	sample hole com n observed. No r	adiological read	bgl. No visual or olfi dings above backgro e backfilled upon co	ound recor	dence of ded.	
Scal	e 1:37	.5		es: Al nual ic				etres. Lo	ogs sh	nould be read	in accordance	with the provi	ded Key. Des	criptions are base	ed on visu	ual and	

Hole No. **WINDOW SAMPLE LOG WS158** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 04-07-14 70004430 Harrow Estates Plc 04-07-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389900.850 **Premier Tracker Compact** 87.410 Dynamic Sampling Ltd S Weston N 382540.590

SA	MPLE	ES & TES				-		D e				STRAT	A				Inst Bac
Depth	Туре	Test Result	(bpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Di 5 m
							87.21	0.20	MAE	E GROUND:	Hay over bro	wn silty clay w	ith rootlets (To	OPSOIL)		CMG	
0.20-0.50	ES						87.01	0.40	MAE	E GROUND:	Brown fine a	nd medium sa	nd with rare bi	rick fragments	XXX	GMG	ı
).50-0.90	ES						86.91	0.50		DE GROUND: medium brick		ght brown fine	sand with rare	angular fine		GMG	ı
								-(0.40)		brown CLAY		EPOSITS)			~ -	ALV	
							86.51	0.90	1:	4 h	- d di 0	AND (GLACIA	L DEDOCITO	<u> </u>			ı
1.00-1.45	D	2,2,1						- (2.50)	Lign	t brown tine a	na mealum S	AND (GLACIA	L DEPOSITS)			E
	(S)	1,0,1 N=3.						_(0.50)								ALV	lF
							86.01	1.40	Firm	reddish brow	n CLAY (GLA	CIAL DEPOS	ITS)				1
						↓	85.71	(0.30) 1.70			02 (02	.0., .2 22. 00				ALV	
						÷		(0.30)		dish brown sli	ghtly silty fine	SAND. Becon	ning saturated	(GLACIAL	×	ALV	1
		0)4/ 0)4/ 4					85.41	2.00				ACIAL DEDO	OLTO)		××	,	
2.00-2.45	D (S)	SW,SW,1 0,0,1						-	Red	dish brown sa	indy SILT (GL	ACIAL DEPOS	SIIS)		×××		
		N=2.						_(0.50)							× ×	ALV	
							84.91	2.50	Pod	dieh brown fin	o SAND with	localised pock	ets of clay (C	I ACIAI	××		-
								- -(0.40)		OSITS)	E SAND WILL	iocaliseu pock	ets of clay. (G	ILACIAL		ALV	
							84.51	2.90									
3.00-3.45	D	SW,SW,1					84.31	_ 3.10	TS)		ALV						
	(S)	0,0,0 N=1.							Red	dish brown SI	LT. Very dam	p. (GLACIAL [DEPOSITS)		× × ×		
								(0.50)							× ×	ALV	
							83.81	3.60			01.41/./01.4	0141 DED00	ITO'		<u>×</u> ×		
							83.61	3.80			`	CIAL DEPOS				ALV	
								_	Red	dish brown fin	e occasionall	y medium SAN	ND. (GLACIAL	DEPOSITS)			
4.00-4.45	D (S)	1,2,1 2,2,2						(0.65)								ALV	
		N=7.															
							82.96	- 4.45 -	Win	dow sample c	omplete at 4.4	45m bgl					
								-									
								-									
-								-									
								-									
								_									
								-									
	Hala	Diameter						Recov	(OD:				\\/atc-	Strikes			<u> </u>
Depth	_	neter (mm)		emark	s	Core 7	Гор (m)	Core Bas		% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asin
· ·										,			1.70				
											General Rer	l narks					
											Windowless : contamination	sample hole con n observed. No i	adiological read	bgl. No visual or o lings above back installed upon co	ground recor	lence of ded.	
			Note	DC: VI	I dim	ancio	ne in ma	atros I c	nge eh	ould be read i	in accordance	with the provi	ded Key Doo	criptions are ba	sed on vice	ıal and	
Sca	le 1:37	'.5		es: Ai nual id				ues. LC	วนูร รัก	iodia ne read l	iii accordance	with the provi	ueu ney. Des	criptions are Da	iscu on vist	uai aliu	

က္ကါ															
ĕ		Hole Di	iameter				Recove	ery				Water	Strikes		
묎	Depth	Diamet	ter (mm)	Remark	ks	Core Top (m)	Core Base	e (m) % R	Recovery	Date	Time	Strike	Minutes	Standing	Casing
3 WOODF												1.70			
E LOG															
NDOW SAMPLE										contamination	ample hole com	adiological read	ogl. No visual or ings above back installed upon c	caround recorde	nce of ed.

Hole No. **WINDOW SAMPLE LOG WS159** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 04-07-14 70004430 Harrow Estates Plc 04-07-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 390096.920 **Premier Tracker Compact** Dynamic Sampling Ltd 85.940 S Weston N 382459.160 110

0.4	MOLE	-0 0 TE	0.70									OTDAT	Δ.				Ins
SA	MPLE	S & TE	_					Depth				STRAT	Α				Bad
Depth	Туре	Test Result	Old (bpmV)	HSV (kN/m2)	P.Pen (kN/m2	Water	Elev. (mAOD)	'			С	Description			Legend	Geology	m
0.00-0.30	ES						0= 0.	(0.30)	Brov	vn sandy SILT	with rootlets	. (TOPSOIL)			1/ 1//	GDU	
0.30-0.50	ES						85.64		Light	t grey sandy S	SILT. (GLACI	AL DEPOSIT)			× ×	GDU	
							85.44	0.50	Firm	light brown m	nottled grey C	CLAY. (GLACIA	L DEPOSIT)		<u>××</u>		
								-									
1.00-1.45	D	111						-									
1.00-1.45	(S)	1,1,1 1,1,1 N=4.						- -(1.40)								GDU	
		14-4.						-									S. S.
																	S
						1	94.04	1 00									
200045	_	400				<u></u>	84.04	1.90	Light	t brown SILT.	(GLACIAL D	EPOSIT)			× ×		
2.00-2.45	D (S)	1,0,0 1,0,0 N=1.						(0.50)							× × × ×	GDU	
		IN=1.					83.54	2.40	D		OAND.		I ODA)/E	. (01.40141	× ×		夏
							83.34	2.60	LDEP	OSIT)		and fine suban			0.00	GDU	200
								-	Soft	to firm brown	slightly silty (CLAY. (GLACIA	AL DEPOSIT)	l	× ×		S S
3.00		1,0,1						-							× ×		
5.00	(S)	0,1,0 N=2.						- -(1.20)							× ×	GDU	
		., 2.						-							×		
															× ×		500
							82.14	3.80	Brow	un fine and me	OMA2 muiba	. (GLACIAL DE	:DOSIT)		* _× _		
4.00-4.45	D	1,2,2						-	BIOV	vii iiile aliu iile	edidili SAND	. (GLACIAL DL	.FO311)				
4.00-4.40	(S)	3,2,2 N=9.						(0.65)								GDU	
							81.49	- - 4.45									Ž
								-	Wind	dow sample c	omplete at 4.	45m bgl					
								-									
•								-									
								-									
								-									
								[
								-									
	Hole	Diamete	<u> </u>					Recov	verv				Water	Strikes			
Depth	_	neter (mm	_	temark	s	Core 7	Гор (т)	Core Bas		% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
													1.90				
											contaminatio	sample hole com n observed. No r	adiological read	bgl. No visual or dings above back backfilled upon o	ground recor		
			Not	66. V	I dim	ensio	ns in m	etres La	nge eh	ould be read i	n accordance	with the provi	ded Kev Dec	criptions are ba	ased on vier	ıal and	_
Scal	le 1:37	.5				ficatio		5.103. LU	/gu 311	JUNE 1000	accordant	- maraic provi	aca ney. Des		accu on vist	adi dilu	

Hole No. **WINDOW SAMPLE LOG WS160** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 27-06-14 70004430 Harrow Estates Plc 27-06-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389843.200 **Premier Tracker Compact** 85.460 Dynamic Sampling Ltd J Kinchington N 382247.550

	IVIFLE	S & TE						I 5				STRAT	A				Ins Ba
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			С	escription			Legend	Geology	D 5
0.10	ES						85.26		MAE is fir	DE GROUND: ne to coarse ar	Crops over b	rown gravellegounded of var	y fine to coars	e SAND. Gravel s. (TOPSOIL).	711/2 7/11	GMG	
							85.06		MAE	DE GROUND: to coarse sub	Orange brow	n gravelly fine	to coarse SA			GMG	ı
).50	ES						84.96 84.86		_	DE GROUND:				of ash.	\times	GMG GMG	H
7.50	LO	•								DE GROUND:						OIVIO	
								-		brown and greangular to rour				fine to coarse POSIT)			
.00	D (S)	1,0,1 0,1,1						(0.90)								GDU	
1.01	ES	N=3.						Ė	1.20) m bgl; no gra	vel						
							83.96	1.50	Loo	ee brown and l	iaht arov elia	htly gravelly fir	no and modium	n SAND. Gravel	0		
								<u> </u>	is ro	unded and sul	brounded of v	arious litholog	ies. (GLACIA	L DEPOSIT).			
								(0.50)								GDU	
							83.46	2.00							0		
2.00	D (S)	2,2,2 2,1,1						-	Loos	se reddish bro	wn silty fine S	SAND (GLACI	AL DEPOSIT)	•	×		
	`	N=6.						[]							×		
								-							× .		
								-							×		
								-							×		
															× .		
.00	D	1,1,1						(2.00)	2 00	m bgl; becom	ing clavov				×	GDU	
.00	(S)	0,1,0						E I	3.00	m bgi; becom	ling clayey.				×		
		N=2.						[× .		
								-							×		
								1							×		
								-							× .		
								ا ا							×		
.00	D	1,1,1					81.46	4.00	Win	dow sample co	omplete at 4	Om bal			× .		H
	(S)	1,1,1 N=4.						1		don dampio di	ompioto at 1.	om bgi.					
		14-4.						-									
								[
								-									
								-									
								-									
								t l									
								[
								-									
								[
								_									
		Diameter				<u> </u>	F / . ·	Recov		0/ 5				Strikes	01 "		
Depth	Dian	neter (mm)	R	emark	s (core I	op (m)	Core Bas	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asin
											General Rer		anlata at 4.00	hal No visual see	Ifactor:	longe of	
											contaminatio	n observed. No	radiological read	bgl. No visual or o dings above backg	round recor	ded. No	
														oon completion. R			4.0n
	1		I		- 1					i	ugi.						

WSP		WINE	OOW SAMPLE		Hol	e No. WS161
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome	ı	She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 02-07-14 02-07-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	S Weston	E 389802.760 N 382140.400		85.400

SA	MPLE	S & TE	STS									STRAT	Ā				Insta Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Г	Description			Legend	Geology	Di 50 mi
0.10-0.30	ES						85.05	(0.35)	Hay and	over brown sl medium roun	ightly clayey ded of variou	slightly gravell s lithologies. (y fine SAND. TOPSOIL)	Gravel is fine	1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1	TS	
							84.75	- -(0.30)	Ora	nge brown me	dium and coa	arse SAND. (S	UPERFICIAL	DEPOSITS)		SUPD	
0.70-0.80	ES						84.50		ang	ular of various	lithologies.	slightly gravell SUPERFICIA	L DEPOSITS))	- \//0	SUPD	
1.00-1.45	D (S)	2,1,2 3,3,4					84.30	1.10	Stiff	medium and	high strength	SAND. (GLAO orange brown	mottled grey	slightly sandy		GDU	
		N=12.		70 78				-	sligh	ntly gravelly Cl logies. (GLA	LAY. Gravel i	s fine and med	dium angular d	of various			
2.00-2.45	D (S)	2,2,2 2,2,2 N=8.		110 106				_(1.30) - - -								GDU	
						<u></u>	83.00		Red	ldish brown cla	ayey fine SAN	ID. (GLACIAL	DEPOSITS)			CDU	
							82.70	(0.30) 2.70	Soft	reddish brow	n CLAY. (GL	ACIAL DEPOS	SITS)			GDU	
3.00	(C)	1,1,1 0,1,2 N=4.						(0.90)								GDU	
							81.80	3.60	Loos	se brown sligh	itly fine SANE). (GLACIAL I	DEPOSITS)				
- 4.00	(C)	1,1,2 1,2,3 N=8.						- - -(1.40) - -								GDU	
							80.40	5.00	Win	dow sample c	omplete at 5	Om hal					
								- - - - -		aow campie c	omplote at o	o 2g.:					
	Hole	Diamete	<u> </u>					Reco	very				Water	· Strikes			
Depth	Dian	neter (mm) R	emark	S	Core 1	Гор (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike 2.40	Minutes	Standing	Ca	asing
											observed. N	nple complete at o radiological rea	adings above ba	factory or visual eackground recorden completion. Res	d. Groundwa	ater	
Scal	le 1:37	.5				nensio ficatio		etres. Lo	ogs sh	nould be read	in accordance	e with the prov	ided Key. Des	scriptions are ba	ised on visu	ual and	

	 	VSP		T				WIN	ID	OW SA	MPLE	LOG		Hole N		VS 1	62	
	150-182 M50 phone: 0	'SP The Quays 0 3SP 0161 886 2 ax:			Proje	ect			V	Voodford /	Aerodrome	е		Sheet		1 of	1	
Job No	•	<u> </u>			Clie	nt								Date		4.07		
	7000	04430								Harrow Es	states Plc					1-07- 1-07-		
Contracto	or / Dr	iller	ľ	Met	hod/	Plan	t Used		L	ogged By			ates (NGR)		round	Level	(m AC	D)
Dynam	nic Saı	mpling L	.td	Pre	emie		acker C 110	ompac	t	S We	ston		389564.110 381982.630			85.9	90	
SA	AMPLI	ES & TE	STS									STRAT	٩	·				Install / Backfill
Depth	Туре	Test Result	PID (Vmdd)	HSV kN/m2)	P.Pen kN/m2)	Water	Elev. (mAOD)				De	escription				Legend	Geology	Dia. 50 mm
0.00-0.20	ES						85.89 85.79			DE GROUND: PSOIL)	Grass over bro	own slightly sa	andy SILT with	rootlets.			CMG GMG	
-							85.64		IAM/	DE GROUND:	Dark grey grav					<u> </u>	SUPD	
-0.35-0.95 - -	ES			Firm dark brown organic CLAY. (SUPERFICIAL DEPOSIT) Very loose light brown fine SAND. (GLACIAL DEPOSIT))	/ -			
0.75-0.95	ES			(0.95)												GDU		
1.00		101			(0.95)												GDO	
- 1.00	(S)	1,0,1 0,1,0 N=2.			84.69 1.30													
1.30-1.50	ES							_	and	medium sand	own slightly gr (<10mm). Gra	vel is fine to	coarse subrou	pockets of fi	ne			
-								[lime	estone and san	dstone. (GLAC	CIAL DEPOSI	T)					
-								-										
	(S)	1,0,0 1,0,0						-										
-	(3)	N=1.						-(1.80) -									GDU	
-								-										
- -																<u></u>		
-							00.00	-										
_3.00 -	(S)	1,2,1 2,1,2 N=6.					82.89	3.10		se silty fine SA	ND. Blowing o	conditions from	n 3.1m bgl. (G	LACIAL		× ×		1
-									DLI	00110)					•	×		
-								_								×		
-								_(1.35) -							-	×	GDU	
_4.00	(S)	1,2,1 1,1,1						-							•	×		
- - -		N=4.					81.54	- 4.45							-	×		
-							61.54	- 4.45	Win	dow sample c	omplete at 4.4	5m bgl						
-								-										
- -								-										
-								-										
-																		
-								-										
-								-										
	Hole	Diamete	r					Recov	very				Water	Strikes				
Depth	Diar	meter (mm) Re	mark	s	Core	Top (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Si	tanding	Ca	asing
											General Rem							
											contamination	observed. No r	plete at 4.45m k adiological readi	ings above ba	ckgrou	nd record	ded.	ła.
											Groundwater r 4.0m.	iot ericountered	. Hole installed	upon completi	iuii. Kes	sponse z	one 1.01	iO

08 WSP WINDOW SAMPLE I

Scale 1:37.5

WSP		WINE	OOW SAMPLE		Hol	e No. WS163
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 30-06-14 30-06-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	S Weston	E 389355.530 N 381969.190		86.160

SA	MPLE	S & TE	STS						STRATA			Install / Backfill
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)	Description	Legend	Geology	Dia.
							85.96	0.20	MADE GROUND: Brown silty slightly gravelly CLAY with occasional ash. Gravel is fine of coal. (TOPSOIL)		CMG	
0.30	ES			66 70			85.76	0.40	MADE GROUND: Firm and stiff brown silty slightly gravelly CLAY Gravel is		MG	
0.50	ES			46				- -	Firm medium strength grey slightly sandy CLAY (GLACIAL DEPOSITS)			
-				36				-(0.60) -			GDU	
1.00		1,2,2					85.16	1.00	Loose to medium dense light brown fine and medium SAND. (GLACIAL			
-	(S)	2,3,3 N=10.						-	DEPOSITS)			
-								- -				
2.00		1,2,2				₹		_				
2.00	(S)	2,2,2 N=8.						(2.45)			GDU	
-								- -				
- <u> </u> -								-				
<u>-</u>								_				
3.00	(S)	1,2,1 2,1,2 N=6.						- -				
-		11-0.					82.71	- - 3.45				
								-	Window sample complete at 3.45m bgl			
- - 2-								-				
-								-				
5-								-				
								-				
<u>-</u>								-				
								_				
								-				
-								-				
								_				
								_				
3	Hole	Diamete	r					Reco	very Water Strikes			

FE1.03.GDT 11/12/14	3.00	(S)	1,2,1 2,1,2 N=6.				82.71	- - - - - - - - - - - - - - - - - - -									
08 WSP WINDOW SAMPLE LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION GPJ WSPETEMPLATE1.03.GDT 11/12/14										dow sample c	omplete at 3.4	I5m bgl					
D LO(_	Diameter					Reco					Water				
WINDOW SAMPLE LOG WOODFORD	Depth	Dian	neter (mm)	Re	marks	Core T	op (m)	Core Bas	se (m)	% Recovery	General Rem Windowless s contamination Groundwater		Strike 2.00 pplete at 3.45m ladiological read 2.0m bgl. Hole t	Minutes ogl. No visual or ings above back ackfilled upon c	Standing Olfactory evide ground record ompletion.	Casing case of ed.	
08 WSP	Scal	e 1:37	'.5	Note	s: All di ual iden	mensio tificatio	ns in m n.	etres. Lo	ogs sh	nould be read i	I in accordance	with the provi	ded Key. Des	criptions are ba	ased on visua	al and	

WSP	WINI	DOW SAMPLE	LOG	Hole	e No. WS164
WSP 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome	;	She	et 1 of 1
Job No 70004430	Client	Harrow Estates Plc		Dat	e 30-06-14 30-06-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Premier Tracker Compact 110	S Weston	E 389160.030 N 381965.380		85.410

SAM	MPLE	S & TE	STS									STRAT	Α				Ins Ba
Depth	Туре	Test Result	PID (bpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	D f
							85.21	Γ΄		DE GROUND: PSOIL)	Grass over b	rown slightly s	andy clay with	many rootlets.		CMG	
							84.96	-	MAE		Grey very sa	ndy fine to coa	rse angular G	RAVEL of		MG	
0.60	ES						04.90	- 0.43			ium strength	grey very silty	CLAY. (GLAC	IAL DEPOSITS)	× × ×		
								[× ×		
.00	(0)	1,1,1						(1.15)							× ×	GDU	
	(S)	1,1,1 N=4.						-							XX		
							83.81	1.60							× ×		
								E	Firm	to stiff brown	and light gre	y mottled CLA	Y. (GLACIAL I	DEPOSITS)			
								_									
.00	ES (S)	1,1,1 1,1,1 N=4.						(1.10)								GDU	
		11-4.						-									
							82.71	2.70									
								-	Soft	and firm brow	n slightly silty	CLAY. (GLAC	CIAL DEPOSIT	TS)	× ×		
.00	(6)	1,1,2						_							× _ x		
	(S)	1,2,1 N=6.						-(1.00)	3.20	m bgl; becom	ning very low	strength			× ×	GDU	
						1		-							XX_		
						₹	81.71	3.70	Ligh	t brown fine a	nd medium S	AND. (GLACIA	AL DEPOSITS	5)	<u>× ×</u>		
1.00	(S)	3,4,4 5,5,6 N=20.														GDU	
		11-20.					80.96	- 4.45									Q
								-	Win	dowless samp	ole complete a	at 4.45m bgl					
								-									
								-									
								-									
	Hole	Diameter			T			Reco	very				Water	Strikes			<u></u>
Depth	Diam	eter (mm)	R	emark	s	Core 7	Гор (т)	Core Bas		% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asin
													3.70				
											General Rer	narks					
											Windowless contamination	sample hole com n observed. No r encountered at	adiological read	bgl. No visual or olf lings above backgro nstalled upon comp	ound recor	ded.	one
			1														

WSP		WINE	OOW SAMPLE		Hole	e No. WS165
WSP 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	1 of 1
Job No 70004430		Client	Harrow Estates Plc		Dat	te 01-07-14 01-07-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	S Weston	E 389278.880 N 381811.100		87.490

0/1	MPLE	S & TE						Danth				STRAT	Α				Inst Bac
Depth	Туре	Test Result	PID (bpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Dia / mi
							87.29	L '	Gre	y silt with rootle	ets. (TOPSOII	L)			711/2 7/11	TS	
0.30-0.40	ES						01.29	_(0.34)	Firm	and stiff brow	n mottled gre	y slightly sand	ly CLAY. (GLA	ACIAL		GDU	设置
0.55-0.65	ES						86.95 86.84	- 0.54		y fine to mediu	ım SAND with	black staining	a at base (GI	۸۵۸۱	0,0	GDU	<u>Q</u>
0.55-0.65	E3	•					00.04	-	\DEF	POSITS)				IAL DEPOSITS)	/	JODO	2
1.00	(S)	1,2,2 2,3,4 N=11.						- - - - -	Wec	ndm dense ngi	it brown line a	and mediam o	AND. (GLAC	AL DEI 00110)			
2.00	(S)	2,2,3 4,4,4 N=15.						(3.80)								GDU	
3.00	(S)	3,2,3 3,3,4 N=13.						- - - - - - -									
- 4.00	(S)	3,3,3 4,2,4 N=13.					83.04	- - - - - - 4.45									
-								- - - - - - - - - - - - - - - - - - -	vvin	dow sample o	ompiete at 4.4	ю вді					
	Hole	Diamete	r					Recov	very				Water	Strikes			_
Depth	_	neter (mm		emark	s	Core 7	Гор (m)			% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
Depth	_			emark	is (Core 1	Гор (m) (Recov		% Recovery	General Ren Windowless s contamination	narks sample hole com	Strike		Ifactory evic	dence of	

"												
9	ŀ	Hole Diameter			Recovery				Water	Strikes		
SKD	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
OG WOODFC												
VINDOW SAMPLE I							General Rem Windowless s contamination Groundwater	narks sample hole com n observed. No r not encountered	nplete at 4.45m l radiological read d. Hole backfilled	ogl. No visual or lings above bacl d upon completion	olfactory evide kground recorde on.	nce of ed.

WSP		WINE	OOW SAMPLE		Hol	e No. WS166
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 01-07-14 01-07-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	S Weston	E 389471.740 N 381848.570		85.570

SA	MPLE	ES & TE						Death				STRAT	A		1	I	Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			С	escription			Legend	Geology	Di 5 m
							85.32	- 1	MAE Grav	DE GROUND: vel is fine to m	Brown slight	lly sandy slight	ly gravelly SIL linker.	T with rootlets.		TS	
).30-0.50	ES	ě					85.32	- 0.25	Soft	to firm organio	CLAY with			eat.			1
								-	(30)	PERFICIAL DI	<u> </u>				77/		
								_(0.85) -							//	SUPD	
.00		Sw,Sw,1					84.47	1.10									
	(S)	0,0,0 N=1.					0	- 1	Ligh DEF	t brown mediu POSITS)	m to coarse	SAND. Becom	ing wet. (GLA	CIAL		CDII	
.10-1.30	ES					₹	84.07	-(0.40) - 1.50								GDU	
						=		(0.30)	Ligh	t brown silty fir	ne SAND (Gl	ACIAL DEPO	SITS)			GDU	
							83.77	1.80	Soft	and very soft	light grey CL	AY (GLACIAL	DEPOSITS)				
2.00	(S)	1,1,1 0,1,2						(0.70)								GDU	
	(-)	N=4.						[
							83.07	2.50					owing condition	ns experienced			
								-	from	ı 2.5m bgl. (GL	ACIAL DEP	OSITS)					
.00		1,2,1						-									
.00	(S)	2,1,2 N=6.						-									
								(1.95)								GDU	1 1
								-									
								-									
l.00	(S)	1,1,2 1,2,1						-									
		N=6.					81.12	4.45									
							02	-	Win	dow sample co	omplete at 4.	45m bgl					
								-									
								-									
								-									
								-									
								-									
								-									
Depth		Diameter		emark		Coro -	Ton (m)	Recov Core Bas		% Recovery	Date	Time	Water Strike	Strikes Minutes	Standing	0.0	asing
Dehiii	Dial	notor (IIIII)	, 1	omark	9	OULE	1 oh (111)	OUIC DAS	ic (III)	70 Necovery	Date	Tille	1.50	iviii iules	Standing	1 02	aon ig
											contaminatio Groundwater	sample hole con n observed. No	radiological read	bgl. No visual or oli lings above backgr ole installed upon o	ound recor	ded.	se
			1														

											TU old	e No.			
,		NSP					1	MIN	DOW SAMPLE	LOG	I IOIC		N S1	67	
	50-182 ⁻ M50 ohone: 0	'SP The Quays 0 3SP 0161 886 2 fax:			Proje	ect			Woodford Aerodrome	;	She	et	1 of	1	
Job No	7000	04430			Clier	nt			Harrow Estates Plc		Dat	(01-07- 01-07-		
Contracto	or / Dri	ller		Met	hod/	Plan	t Used		Logged By	Co-Ordinates (NGR)		Groun	d Level	(m AO	D)
Dynam	ic Sar	mpling L	td	Pro	emie		acker Co 110	ompact	S Weston	E 389530.660 N 381787.190			85.2	260	
SA	MPLE	ES & TE	STS							STRATA					Install / Backfill
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)	Des	scription			Legend	Geology	Dia. 50 mm
0.00-0.20	ES						84.96	(0.30)	MADE GROUND: Brown slightly s Gravel is fine and medium angula	ar of ash and clinker. (TOPSOIL		lets.		CMG	
1		1	1	1	1	1	1 7		MADE COOLIND, Firm brown CL	AV with rore och			$1 \times 1 \times 1 \times 1$	ų.	

Гуре ES	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick			D	escription			Legend	Geology	D 5
ES		١	ı ~	. ~												m
						84.96	-ness) _(0.30) _ 0.30	MAE Grav	DE GROUND: vel is fine and	Brown slightl medium angu	y sandy slightl ılar of ash and	y gravelly SIL ⁻ clinker. (TOP	Γ with rootlets. SOIL)		CMG	
						84.76		MAE	DE GROUND:	Firm brown C	LAY with rare	ash			CMG	1
ES						04.70	I	Ligh	t brown clayey	fibrous PEA	T. (SUPERFIC	IAL DEPOSIT	S)	<u> </u>	DEAT	
						84.41	-(0.35) - 0.85							1, 1,	PEAT	
	100					84.26	1.00				(SUPERFICIA	L DEPOSITS)	11, 11,	SUPD	
(S)	0,1,0 N=1.						-	BIOV	WIT IIDIOUS F LA	۸۱.				1, 11,		
							(0.70)							<u> </u>	PEAT	
						83.56	1.70							1, 11,		
							-	Soft	light grey san	dy CLAY. (GL	ACIAL DEPO	SITS)				
	100						-									
(S)	1,0,0 N=1.						-									
							-									
							-									
							-									
	1,2,1						(2.75)								GDII	
(S)	2,1,1 N=5.						- (2.73)								GBO	
							-									
							-									
							[
	1,1,1						- 1). 33
(S)	1,1,2 N=5.						-									S
						80.81	- 4.45 -	\\/in	dow sample o	omplete at 4	15m hal					芝
							-	VVIII	dow sample d	ompiete at 4	FOITI DGI					
							-									
							-									
							-									
							-									
							-									
							-									
Hole	Diameter						Recov	very				Water	Strikes			_
Diam	eter (mm)	R	temark	s	Core 7	Гор (т)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sin
										Windowless s contamination	sample hole con n observed. No i	adiological read	ings above backs	round record	ded.	1 to
		Not														
	(S) (S)	(S) 1,0,0 1,0,0 N=1. (S) 1,2,1 2,1,1 N=5. (S) 1,1,1 1,1,2 N=5.	(S) 0,1,0 N=1. (S) 1,0,0 1,0,0 N=1. (S) 2,1,1 N=5. (S) 1,1,1 1,1,2 N=5.	(S) 0,1,0 N=1. (S) 1,0,0 1,0,0 N=1. (S) 1,2,1 N=5. (S) 1,1,1 1,1,2 N=5.	(S) 0,1,0 N=1. (S) 1,0,0 N=1. (S) 1,2,1 N=5. (S) 1,1,1 N=5.	(S) 0,1,0 N=1. (S) 1,0,0 N=1. (S) 1,2,1 2,1,1 N=5. (S) 1,1,1 1,1,2 N=5.	(S) 1,0,0 0,1,0 N=1. 83.56 (S) 1,0,0 1,0,0 N=1. (S) 1,2,1 2,1,1 N=5. (S) 1,1,1 1,1,2 N=5. 80.81	(S) 1,0,0 0,1,0 N=1.	(S) 1,0,0 0,1,0 N=1. Soft (S) 1,0,0 1,0,0 N=1. Soft (S) 1,0,0 1,0,0 N=1. Soft (S) 1,0,0 N=1. Soft (S) 1,1,1 N=5. Soft (S)	(S) 1.0.0	Soft light grey sandy CLAY. (GL 1.00 1	84.41 0.85 84.26 1.00 Firm brown CLAY with rootlets. (SUPERFICIAL Brown fibrous PEAT. (0.70) 83.56 1.70	Solution Solution	Soft light grey sandy CLAY, (GLACIAL DEPOSITS) Soft light grey sandy CLAY, (GLACIAL DEPOSITS)	Bat 41	Section 1,00

က္က၂															,		
POO	ŀ	Hole Diamet	er					Recove	ery				Water	Strikes			
ORD	Depth	Diameter (mi	m)	Remark	s	Core 7	Top (m)	Core Base	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Cas	sing
SAMPLE LOG WOODF											contamination	sample hole com observed. No r	adiological read	ogl. No visual or ings above back	karound record	ed.	
WINDOW											Groundwater 3m bgl.	not encountered	I. Hole installed	upon completion	ı. Response zo	one from '	1 to

Hole No. **WS168 WINDOW SAMPLE LOG** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 02-07-14 70004430 Harrow Estates Plc 02-07-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389597.380 **Premier Tracker Compact** 85.370 Dynamic Sampling Ltd S Weston N 381833.900

SAI	MPLE	ES & TE	STS									STRAT	A				Inst
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen KN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	Di mı
							85.17	-ness) - 0.20		DE GROUND: PSOIL)	Brown occas	ional black sa	ndy SILT with	rootlets.		CMG	
0.20-0.40	ES	•					84.97	0.40	MAE	DE GROUND:	Black fine an	d medium sub evel of clinker.	angular and s	subrounded		GMG	
0.40-0.70	ES	÷					84.67	(0.30)	MAE	DE GROUND:	Grey silty slig		LAY. Gravel i	s medium and		CMG	
0.70-1.10	ES	٠					0	-		vn fibrous PE					<u> </u>		
1.00	5	SW,SW,SV	,					-							<u> </u>		
	(S)	SW,1,0 N=0.						- (1.20)							1, 11,	PEAT	
								[(1.20)							<u> </u>		
								-							1, 11,	1	
							83.47	1.90							71/ 71/		
2.00		1,0,0						-	Very	soft light grey	CLAY. (SUP	ERFICIAL DE	POSITS)				
	(S)	0,0,0 N=0.						-									2
								(1.10)								SUPD	S.
								-(0)								00. 5	
																-	
3.00		1,0,1					82.37	82.37 3.00 Light greyish brown fine to medium SAND. (GLACIAL DEPOSIT)									
5.00	(S)	1,0,1 1,2,3 N=7.						Light greyish brown fine to medium SAND. (GLACIAL DEPOSIT) (0.45)							GDU		
		14-7.					81.92 - 3.45 Window sample complete at 3.45m bgl									E S	
									Win	dow sample c	omplete at 3.4	15m bgl					
								-									
-								-									
								-									
								-									
								-									
Depth		Diameter neter (mm)										Standing		asing			
Берит	Diali			Ciriain		JUIE 1	ορ (III)	COIC Das	~ (111)	70 I 1000VEI Y	Date	Time	Oune	iviii iules	Standing		ا ۱۱وم
											General Ren	narks					
											Windowless s contamination	sample hole con	radiological read	bgl. No visual or ol dings above backgr illed.	factory evic ound recor	lence of ded.	
	e 1:37		Not	es. ΔΙ	l dim	ensio	no in m	otroo Lo					dad Kari Daa	criptions are bas		ıol ond	

WSP		WINE	OOW SAMPLE		Hol	e No. WS169
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome	,	She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 02-07-14 02-07-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact	S Weston	E 389691.350 N 381902 370		85.430

Гуре	Test Result	PID (ppmV)	HSV (kN/m2)	en m2)	ter	Elev.	Depth									Dia
		ᇦ	Ξ¥	₽. Ş	Water	(mAOD)	(Thick -ness)			D	escription			Legend	Geology	mı
						85.23	L ' I	Gras	ss over clayey	silt with rootle	ets. (TOPSOIL)		Z1 1N Z1 1	TS	
ES							(0.30)	Ligh	t brown fine a	nd medium SA	AND. (SUPER	FICIAL DEPC	SITS)		SUPD	
ES							(0.30)	Very	soft grey slig	htly sandy silty	CLAY. (SUP	ERFICIAL DE	POSITS)	× × ×	SUPD	D. C. C.
						84.63	- 0.80	Very	soft brown C	LAY. (SUPER	FICIAL DEPO	SITS)		- x -		⑫
	SW,SW,1						-									2
(S)	0,0,0 N=1.						-									2
							-									2
							-									
							-									
							-									
(S)	SW,SW,1						(2.65)								SUPD	
(0)	N=1.						-									盆
														<u> </u>		浴
							-							<u> </u>		3
							-									A A
							-									
(S)	0,1,0						_									
	N=2.					24.00								<u> </u>		
						81.98	- 3.45 -	Wine	dow sample c	omplete at 3.4	I5m bgl					25
							- - - - - - - - - - - - - - - - - - -									
_				T										<u>'</u>		<u> </u>
Dian	neter (mm)	Re	emark	s (Core 1	op (m)	Core Bas	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
										Windowless s contamination	sample hole com n observed. No r	adiological read	ings above back	olfactory evic ground recor	dence of ded.	
	(S) (S)	(S) SW,SW,1 0,0,0 N=1. SW,SW,1 0,0,0 N=1.	SW,SW,1 0,0,0 N=1. SW,SW,1 0,0,0 N=1. (S) 1,0,1 0,1,0 N=2.	(S) SW,SW,1 0,0,0 N=1. (S) SW,SW,1 0,0,0 N=1. (S) 1,0,1 0,1,0 N=2.	(S) SW,SW,1 0,0,0 N=1. (S) SW,SW,1 0,0,0 N=1. (S) 1,0,1 0,1,0 N=2.	(S) SW,SW,1 0,0,0 N=1. (S) SW,SW,1 0,0,0 N=1. (S) 1,0,1 0,1,0 N=2.	(S) SW,SW,1 0,00 N=1. (S) SW,SW,1 0,00 N=1. (S) 1,0,1 0,10 N=2. 81.98	SW,SW,1 (S) SW,SW,1 (O.0,0 N=1. (2.65) (S) SW,SW,1 (O.0,0 N=1. (2.65) (S) O.1,0 N=2. (2.65)	SW,SW,1 (S) SW,SW,1 (O,0,0 N=1. (S) 0.50 SW,SW,1 (S) 0.80	ES	SW, SW, 1	SW.SW.1	SW SW,1 0,00 N=1.	SW SW,1	SW, SW, 1 (S) SW, SW, 1 (S) N=1. (S) SW, SW, 1 (S) SW, SW, 1 (S) N=1. (S) SW, SW, 1 (S) N=1. (S) SW, SW, 1 (S) SW, SW, 1 (S) N=1. (S) SW, SW, 1 (S)	Be S 0. 0.50 Respondence Recovery Water Strikes Recovery Date Time Strike Minutes Standing Calcal Provided at 3.5m bgl, Novisual or offscory evidence of contamental or observed Novel and offscory evidence of contamental or observed Novel Novel and offscory evidence of contamental or observed Novel Novel and offscory evidence of contamental or observed Novel Novel and offscory evidence of contamental or observed Novel Novel and offscory evidence of contamental or observed Novel Novel and offscory evidence of contamental or observed Novel Novel and offscory evidence of contamental or observed Novel Novel and offscory evidence of contamental or observed Novel Novel and offscory evidence of contamental or observed Novel Novel and offscory evidence of con

צ												
2		Hole Diameter			Recovery				Water	Strikes		
צ	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
Ź										ļ		
5										ļ		
2										ļ		
										ļ		
7							General Rem	narks				
5							Windowless s	sample hole com	plete at 3.45m	bgl. No visual or lings above back	olfactory evider	nce of
Š							Groundwater	not encountered	d. Hole not insta	lled.	iground recorde	a.

WSP		WINE	OOW SAMPLE		Hol	e No. WS170
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 02-07-14 02-07-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	S Weston	E 389653.420 N 381828.670		85.660

SA	MPLE	S & TE	STS									STRAT	·A				Inst
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			С	escription			Legend	Geology	Di 5 m
0.00-0.20	ES						85.46	L ' I	Gras	ss over brown	slightly claye	y slightly sand	y SILT. (TOPS	SOIL)	711/	TS	M
0.20-0.60	ES						00.40	- 1	Firm	and stiff geyis	sh brown silty	CLAY. (GLAC	CIAL DEPOSI	T)	<u>×</u> ×		
							85.06	0.60							× × ×	GDU	
							00.00		Stiff	reddish brown	slightly sand	ly CLAY. (GLA	CIAL DEPOS	SIT)	= -		1
								(0.50)								GDU	
.00	(S)	1,2,1 2,1,2					84.56		Loos	se reddish bro	wn fine and n	nedium SAND	(GLACIAL D	FPOSIT)			-
		N=6.											. (0=::0:::==	,			
								_									
								-									
2.00	(S)	1,1,1 1,1,1 N=4.						-									
		11-4.						-									
								-									
								(3.35)								GDU	
.00		1,1,1						-									
.00	(S)	1,1,1 1,1,1 N=4.						-									
								-									
								-									
																	30
1.00		1,1,2						_									8
	(S)	1,2,1 N=6.						-									
							81.21		Wine	dow sample co	omplete at 4.	45m bgl					20
								-		·		Ü					
								-									
								-									
								-									
								-									
																	<u>_</u>
Depth		Diameter neter (mm)		emark	s	Core -	Гор (m)	Recove Core Base		% Recovery	Date	Time	Water Strike	Strikes	Standing	Ca	asing
r.					1	-	/		` /	,			-		. 9		
											General Rer		nplete at 4 45m	bgl. No visual o	olfactory evid	ence of	
											contaminatio	n observed. No	radiological read	dings above bac upon completio	kground record	ded.	າ 0.8

WSP		WINE	OOW SAMPLE	LOG	Hol	e No. WS171
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome	3	She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 02-07-14 02-07-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	S Weston	E 389612.240 N 381696.670		85.320

110

SA	MPLE	S & TE	STS									STRAT	A				Insta Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Dia / mr
0.00-0.20	ES	•					85.12	L ´	Firm	brown slightl	y sandy slight	ly gravelly CLA	Y with rootlet	s. Gravel is sub	7/1/2 7/1/2	TS	
0.20-0.70	ES						84.92					FICIAL DEPOS	SITS)			GDU	
							04.92		Firm	brown slightl	y silty CLAY.	(GLACIAL DEI	POSIT)		××	OPU	
							84.62	(0.30) 0.70							× —×	GDU	
								-	Loos	se brownish g	rey fine and m	nedium SAND.	(GLACIAL DI	=POSII)			
1.00	(0)	2,2,2						-									
	(S)	1,0,1 N=4.						_									2
								-									
								(1.90)								GDU	
								L									
2.00		1,0,1						L									
	(S)	1,2,1 N=5.						-									
								-									2
							82.72	2.60	Firm	brown mottle	d arev CLAY.	(GLACIAL DE	POSIT)				
								F			- 9,	(,				
3.00		1,0,1						(0.85)								GDU	
	(S)	1,1,1 N=4.						F									
							81.87	- 3.45									25
								-	Win	dow sample c	omplete at 3.4	45m bgl					
								F									
_								F									
								-									
								F									
								-									
								ļ									
_								_									
								-									
								-									
								-									
								-									
_																	
Destin	Hole Diameter Diameter (mm) Remarks						Fan (::)	Reco		0/ Dag : : :	Dete	T:		Strikes	Otan II :		
⊔epth	Depth Diameter (mm) Remarks						Гор (т)	core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
											General Rer	narke					
											Windowless	sample hole con	nplete at 3.45m adiological read d. Hole not insta	bgl. No visual or ol lings above backgi lled.	factory evidence or found recore	lence of ded.	
	10.4:07	-	Not	es: A	l dim	ensic	ns in m	etres I o	ogs sh	ould be read	n accordance	with the provi	ded Kev. Des	criptions are bas	ed on visi	ual and	
Sca	le 1:37	.5	mai	nual i	dentif	icatio	n.	Jugg. Ll	-ყა ა	ICUIU DE ICAU	accordance	, with the provi	aca Ney. Des	onpuono are nas	VISI	au ailu	

		VSP					1	WIN	DOW SAMPLE	LOG	Hole		V S1	72	
	50-182 M50 ohone: 0	5P The Quays) 3SP)161 886 24 ax:	400		Proj	ect			Woodford Aerodrome)	She	et	1 of	1	
Job No	7000)4430			Clie	nt			Harrow Estates Plc		Date	(02-07- 02-07-		
Contracto Dynam		ller npling Li	td			r Tra	t Used acker Co 110	ompact	Logged By S Weston	Co-Ordinates (NGR) E 389607.410 N 381602.920		Groun	d Level 87.3	`	D)
SA	MPLE	ES & TE	STS						1	STRATA					Install Backfil
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)	Des	scription			Legend	Geology	Dia. 50 mm
0.00-0.20	ES						87.16	_ ′	MADE GROUND: Brown sandy ((TOPSOIL)	CLAY with rootlets and occasion	nal ast	h.		CMG	
0.20-0.40	0.20-0.40 ES Brown clayey silty fine SAND. (GLACIAL DEPOSITS)												×	GDU	
0.40-0.60 _0.50	ES		0					-(0.55)	Medium dense orange brown fine	SAND. (GLACIAL DEPOSITS	5)			GDU	

						1											_ Ba
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick			С	escription			Legend	Geology	D 5
0.00-0.20	ES	•					87.16	-ness) - 0.20	MAE	DE GROUND:	Brown sandy	CLAY with roo	otlets and occ	asional ash.		CMG	
0.20-0.40	ES									PSOIL) wn clayey silty	fine SAND. (GLACIAL DEP	OSITS)			GDU	L
0.40-0.60	ES						86.96	0.40				ne SAND. (GL		SITS)	· · · · × ·		ı
0.50		•	0					_ _(0.55)								GDU	
							86.41	-` ′									
1.00		2,2,3	0				00.41	- 0.95				SAND. Blowi	ng conditions	encountered			
	(S)	3,4,3 N=13.						[from	1.8m bgl. (Gl	LACIAL DEP	OSITS)					
								-									
						١.		-									
						Ţ		-									
								- (2.05)								GDU	
2.00	(S)	1,0,1 1,1,2						-									
		N=5.						-									
								-									
							84.36	3.00									
							0 1.00	-	3.00	Window sam	ple complete	at 3.0m bgl					ľ.
								-									
								-									
								-									
								-									
								_									
								-									
								-									
								-									
								-									
								-									
								-									
								-									
								-									
								_									
								-									
	Holo	Diamete	<u> </u>					Recov	/OD/				Water	Strikes			_
Depth	_	neter (mm		emark	s	Core -	Гор (m)			% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asin
													1.80				
											General Rer	 marks					
											Windowless	sample hole com olfactory evidenc	plete at 3.0m b	gl. tion observed			
											No radiologio	al readings abov	e background r	ecorded. pletion. Response	e zone from 1	0 to 3 0n	m
											bgl.	oampie note inst	anca aport colli	piction. Nespuils	LONG HUIH I	.5 10 3.01	
					- 1		- 1				_						

က္ကါ																
ğ[I	Hole Di	ameter					Recov	ery				Water	Strikes		
ORD	Depth	Diamet	er (mm)	Remark	(S	Core T	op (m)	Core Bas	e (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
LOG WOODF													1.80			
WINDOW SAMPLE											No visual or o	narks sample hole com lfactory evidenc al readings abov sample hole insta	e of contaminati e background re	ion observed. ecorded.	e zone from 1.0	O to 3.0m

Hole No. **WINDOW SAMPLE LOG WS173** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Client Date 01-07-14 70004430 Harrow Estates Plc 01-07-14 Co-Ordinates (NGR) Logged By Contractor / Driller Method/Plant Used Ground Level (m AOD) E 389815.780 N 381608.570 Premier Tracker Compact Dynamic Sampling Ltd S McGeever 84.340

SAI	SAMPLES & TESTS											STRAT	A				Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription			Legend	Geology	, Di
							84.24	-ness) 0.10	MAE	DE GROUND:	Brown sandy	CLAY with roo	otlets. (TOPS)	OIL)		TS	30
0.20	ES		0				84.04	0.30	MA[DE GROUND:	Brown mottle	d black gravel antly coal, clin	ly SAND. Gra	el is fine very		GMG	
								-				dy gravelly CL nded of various		fine and			
									med	lium subangul	ar to well rour	nded of various	lithologies.				
								-(0.80)							-0.	GDU	
								-									
1.00	D (S)	1,1,1 0,1,2	0				83.24	1.10	Firm	reddish brow	n eliahtly ean	dy eliabtly aray	ally CLAV Gr	avel is fine and	0		X
	(-/	N=4.						-	med	lium subangul	ar to rounded	of various lith	ologies.	aver is fine and			
								-									
								-									8
																	6
2.00	D (S)	1,1,2 2,2,2													-		
		N=8.						_(2.30)								GDU	
								F									
								-									
															0		100
3.00	D	8,7,8						- 1									Ž.
	(S)	10,14,14 N=46.						-	3 20	m bgl; becon	nina stiff				<u> </u>		X
						Ţ	80.94	3.40				no to coorse o	lovov/oilty CAN	ID			2
3.50	ES		0						ivieu	ium dense red	JUISII DIOWII II	ne to coarse c	ayey/siity SAI	ND.			
								-							F = -		
								-							<u> </u>		
4.00	(S)	10,10,12 13,14,11						-							F.—: T.		
	(-/	N=50/ 0.285.						-(1.60) -								GDU	
		0.200.															
								Ł I									8
								-									
-							79.34	5.00	\\/in	dow sample c	omplete at 5 (Om hal			<u> </u>		R
									VVIII	dow sample c	ompiete at 5.	om bgi					
								L I									
								E I									
								- 1									
								_									
	_	Diameter	_		\perp			Recov			5 :		Water		01- "		
Depth	Dian	neter (mm)	R	emark	s (core	Гор (m)	core Bas	se (m)	% Recovery	Date	Time	Strike 3.40	Minutes	Standing	Ca	asing
											No olfactory on No radiologic Groundwater	sample hole com	ocarbon contam e background ro 3.40m bgl.	ination observed. ecorded.			
														criptions are bas			

וא														
Š		Hole Diameter			Recovery				Water	Strikes				
ORD	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing		
WOODF									3.40					
LE LOG														
WINDOW SAMPLE LOG							General Remarks Windowless sample hole complete at 4.0m bgl. No olfactory evidence of hydrocarbon contamination observed. No radiological readings above background recorded. Groundwater encountered at 3.40m bgl. Windowless sample hole backfilled upon completion.							
/SP	Coolo	1.07 E	Notes: All dir	mensions in m	netres. Loas sh	ould be read	in accordance	with the provi	ded Kev. Desc	criptions are b	ased on visua	l and		

WSP		WINE	OOW SAMPLE		Hole	e No. WS174
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 02-07-14 02-07-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	S Weston	E 389872.140 N 381685.920		84.750

	MPLE	S & TE										STRAT	Α				Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Di
0.10-0.30	ES							-		ss over slightly	clayey silty d	ark brown fine	SAND with r	ootlets.	711/2 7/11		
0.30	ES						04.00	(0.45)	(.0	. 0012)					7 7 17	TS	
0.50-0.70	ES			50			84.30	- 0.45	Firm	n medium strei	ngth slightly s	andy slightly g	ravelly CLAY.	Gravel is fine			
0.70	D			52						medium round POSITS)	ded to subang	jular of various	s itnologies. (C	SLACIAL			
				40				<u> </u>									
1.00	(C)	1,1,2 1,2,3						(1.35)								GDU	
		N=8.						-									
								-							0		1 1
.70	D			70		±	82.95	1.80									
						-		-	Very sand	/ loose reddish dy clay. (GLAC	ı brown claye IAL DEPOSI	y fine SAND w TS)	ith localised le	enses very soft			
2.00	(C)	0,1,0 0,1,0 N=1.						-									
		14-1.						-									
								-									
								- -(2.00)							+===	GDU	
3.00		0,0,1						-									
5.00	(C)	0,0,1 0,0,1 N=2.						-							T		
								-									
															+=-		
							80.95		Red	brown fine SA	AND. (GLACIA	AL DEPOSITS	·)			GDU	
1.00	(C)	1,0,1					80.75	4.00	Ver	/ loose gravell	y coarse SAN	D. Gravel is fi	ne angular to	rounded of	0		
	(C)	0,1,1 N=3.						-		ous lithologies 0 - 5.00 50% R		EPOSITS)					
								-(0.80)							0	GDU	
							79.95	4.80							0		
							79.85			very sandy re						GDU	K
5.00	(C)	3,4,5 4,4,3						(O EE)		lium dense gra ous lithologies			is fine angula	r to rounded of		GDU	
	(0)	N=16.						_(0.55) -							0	GDU	
							79.30	- 5.45	Win	dowless samp	le complete a	t 5.45m bgl					aS S
								-									
	Hole	Diameter	<u> </u>					Recov	very				Water	Strikes			<u></u>
Depth		eter (mm)	_	emark	s	Core ⁻	Top (m)	Core Bas		% Recovery	Date	Time	Strike	Minutes	Standing	Ca	asing
													1.80				
											General Ren	narks					
											Windowless s contamination	sample hole com n observed. No r encountered at	adiological read	bgl. No olfactory lings above back installed upon co	ground recor	ded.	one
	1		1		- 1					1							

	ŀ	Hole Diameter			Recovery				Water	Strikes		
3	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
5									1.80			
2												
ál												
							General Rem					
-							Windowless s contamination	ample hole com observed. No r	iplete at 5.45m l adiological read	bgl. No olfactory lings above bacl	or visual evider caround recorde	nce of d.
							Groundwater	encountered at		nstalled upon co		
							0.8 to 4.8m bg	gl.				

WSP		WINE	OOW SAMPLE		Hol	e No. WS175
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 02-07-14 02-07-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	S Weston	E 389862.080 N 381770.810		85.280

SAI	MPLE	S & TE	STS									STRATA	4				Insta Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Dia
								(0.45)	Gras	ss over slightly ular of sandsto	gravelly orga one. (TOPSOI	nic CLAY. Gra L)	avel is fine and	d medium	\(\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2	TS	
0.50-0.60	ES			100 78			84.83	- 0.45 - -	Stiff grav	high strength relly CLAY. Gr	reddish browr avel is fine an	n mottled greer d medium rou	n grey slightly nded of variou	sandy slightly us lithologies.			
	D (C)	1,1,1 0,1,2 N=4.		90				_ _(1.05) _								GDU	
1.50-1.60	ES			40			83.78	1.50	is fir	locally soft me and mediun	edium strengt n angular to ro	h very sandy s ounded of vario	slightly gravell ous lithologies	y CLAY. Gravel . (GLACIAL			
2.00	(C)	1,1,2 2,2,2 N=8.		48 50				- - - -	DEF	03113)							\$2550 \$250 \$4
2.60	D	-		42				- -(2.00) - -	2.50	m bgl; becon	ning stiff					GDU	S255
3.00	(C)	8,7,8 10,14,14 N=46.		68		1		-									75555
						<u>*</u>	81.78	-(0.35)	Orar	nge brown fine	and medium	SAND. (GLAC	CIAL DEPOSI	TS)		GDU	
4.00	(C)	10,10,12 13,14,11 N=50/ 0.285.						(0.60)	Den	se orange bro	wn medium a	nd coarse SAN	nd. (Glacial	DEPOSITS)		GDU	45555
-							80.83	- 4.45	Win	dow sample h	ole complete	at 4.45m bgl					
	Hole	Diameter	<u> </u>					Recov	very				Water	Strikes			
Depth	Dian	neter (mm)	R	emark	s	Core ⁻	Top (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike 3.50	Minutes	Standing	Ca	sing
											contamination	ple borehole con observed. No r	adiological read	bgl. No visual or o lings above backgr page. Hole backfill	ound record	ded.	
Scal	e 1:37	.5		es: Al				etres. Lo	ogs sh	nould be read i	n accordance	with the provid	ded Key. Des	criptions are bas	ed on visu	ual and	

ĕ	ŀ	Hole Diameter			Recovery				Water	Strikes		
읾	Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
E LOG WOODF									3.50			
WINDOW SAMPLE							contamination	narks ple borehole cor n observed. No r encountered at	adiological read	ings above back	ground recorde	d.

Hole No. **WS176 WINDOW SAMPLE LOG** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Project Woodford Aerodrome 1 of 1 Fax: Job No Client Date 02-07-13 70004430 Harrow Estates Plc 02-07-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 389916.060 **Premier Tracker Compact** 85.240 Dynamic Sampling Ltd J Watson N 382067.750

110

0.41	<u> </u>	· O O TE	0.70									OTDAT	Δ.	l			Ins
SAI	MPLE	S & TE		_	_			Depth				STRAT	A			1	Bad
Depth	Туре	Test Result	(bpmV)	HSV (kN/m2)	P.Pen (kN/m2	Water	Elev. (mAOD)				D	escription			Legend	Geology	D 5 m
0.10-0.20	ES		0					(0.45)	Gras med	ss over soft bro lium angular o	own slightly g f sandstone.	ravelly organic TOPSOIL)	CLAY . Grav	el is fine and	<u> </u>	TS	
).50).50-0.60	D ES	:	0	110			84.79	- 0.45 - -	Stiff CLA	high strength Y. (GLACIAL	orange browr DEPOSITS)	mottled grey	slightly sandy	slightly gravelly			
				96				(0.65)								GDU	
.00-3.00	B (C)	3,4,4 4,4,3 N=15.					84.14	1.10	Med	ium dense bro	own fine SAN	D. (GLACIAL [DEPOSITS)		- 0		
								-(0.60)								GDU	
						1	83.54 83.34			greenish grey		•				GDU	
.00	(C)	1,2,2 3,3,4				-	83.14			dish brown fin- low strength r	`			AL DEPOSITS)		GDU	
		N=12.					82.94		Red	dish brown slig	ghtly clayey fi	ne SAND. (GL	_ACIAL DEPC	OSITS)			
							82.44 82.34		l : mlad	t brown mediu	- CAND (CI	ACIAL DEDO	OITO)			GDU	
.00	(C)	2,2,3 2,2,3				2 <u>−</u>	02.04	_	Med	ium dense ora POSITS)				GLACIAL		GDO	
	(0)	N=10.						(1.10)								GDU	
								-									
							81.24	4.00	Wind	dow sample o	omplete at 4.0	Om bal					
								-		·	•	ŭ					
								-									
								-									
								- -									
								- -									
								-									
	Hole	Diamete	r					Recov	very				Water	Strikes			
Depth	Diam	neter (mm)	R	emark	s	Core 7	Гор (т)	Core Bas	se (m)	% Recovery	Date	Time	Strike 1.95 3.00	Minutes	Standing	Ca	asin
											visual or olfac background r	ple borehole ten	f contamination dwater encounter	n bgl with sampler and sampler	ological rea	adings ab	
			1	es: Al													

WSP		WINE	OOW SAMPLE		Hol	e No. WS177
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 02-07-14 02-07-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	J Watson	E 389997.460 N 382157.000		83.970

MPLE	S & TE	STS									STRAT	Ā				Insta Back
Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD				C	escription			Legend	Geology	Dia
							(0.45)	Gra	ss over soft bro dium angular o	own slightly g f sandstone.	ravelly organio (TOPSOIL)	c CLAY . Grav	vel is fine and	1/ 3/1/	TS	
ES		0	76 70				(0.55)	fissu	ured CLAY. Gr	avel is fine ar	ottled grey slig nd medium rou	htly sandy slig unded of vario	ghtly gravelly ous lithologies.		GDU	
D (C)	4,5,4 3,4,4 N=15.		68 60 76			82.97	1.00	Stiff	high strength medium round	brown slightly ded of various	y sandy slightly s lithologies. (Ó	y gravelly CLA GLACIAL DEF	AY. Gravel is fil POSITS)	ne		
D (C)	2,3,3 3,3,4 N=13.		90 82 82 62				(2.10) 								GDU	
D (C) ES	1,1,1 1,1,1 N=4.	0	70		<u>‡</u>	80.87	3.10							ar o		
(C)	1,0,1 2,1,2 N=6.						(2.35)								GDU	
(C)	1,2,2 3,2,2 N=9.					78.52	- - - - - 2 - 5.45	5.45	5m bgl; Windov	v sample hol	e complete at	5.45m bgl				
							- -									
_		_			0	Fan (:)			0/ B			1		01 "		
Dian	neter (mm)	R	emark	SS	Core -	l op (m)	Core Bas	<u>e (m)</u>	% Recovery	General Rer Windowless contaminatio	marks sample hole con	3.10 nplete at 5.45m radiological rea	bgl. No visual o	olfactory evic	dence of	asing
	Type ES D(C) D(C) (C) Hole	Type Result ES . D 4,5,4 3,4,4 N=15. D 2,3,3 3,3,4 N=13. C 1,1,1 N=4. ES . (C) 1,0,1 2,1,2 N=6. (C) 1,2,2 N=9. Hole Diameter	ES . 0 D 4,5,4 3,4,4 N=15. D 2,3,3 (C) 3,3,4 N=13. D 1,1,1 (C) 1,1,1 ES . 0 (C) 1,2,1 N=4. C) 1,0,1 ES . 0 (C) 1,2,2 N=6.	Type	Type	Type Test Result Q Q Q Q Q Q Q Q Q	Type Test Result C C C C C C C C C	Type	Type Test Result Ca Ca Ca Ca Ca Ca Ca C	Test Result	Type Test Q	Type	Type	Type Test Result Result	Depth Peter Pete	Type Test Result Type Test Result Type Typ

WSP		WINE	OOW SAMPLE		Hol	e No. WS178
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:		Project	Woodford Aerodrome		She	eet 1 of 1
Job No 70004430		Client	Harrow Estates Plc		Da	te 01-07-14 01-07-14
Contractor / Driller	Ме	thod/Plant Used	Logged By	Co-Ordinates (NGR)		Ground Level (m AOD)
Dynamic Sampling Ltd	Pı	remier Tracker Compact 110	J Watson	E 389319.080 N 381699.290		88.580

SA	MPLE	S & TE	STS									STRAT	A				Insta Back
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			Legend	Geology	Dia 50 mm
0.00-0.20	ES						00.20	L ' I	Brov	vn silty fine SA	AND. (TOPSO	DIL)			7/1/N 7/1/	TS	
0.20-0.30	ES						88.38 88.03	_(0.35)	Brov	vn slightly clay	yey slightly sa	ndy SILT. (GL	ACIAL DEPO	SITS)	× × × ×	GDU	
_0.50-0.70 - - -	ES					<u>‡</u>	00.03	- 0.55		lium dense ligl POSITS)	ht brownish g	rey fine and m	edium SAND.	(GLACIAL	× ×		
 _1.00 - -	(S)	1,0,2 3,3,4 N=12.						(1.00)								GDU	
· · -						2 <u><u></u><u></u></u>	87.03	- 1.55 - -		se becoming r ACIAL DEPOS		e light pinkish	grey fine and	medium SAND.			
	(S)	1,1,1 1,1,1 N=4.						-									
- - -								- -(1.90) -								GDU	
3.00 	(S)	3,4,4 4,4,5 N=17.						- - -									
- -		IN-17.					85.13	- - 3.45									
								-									
		Diamete	_					Recov	very				Water	Strikes			
Depth	Dian	neter (mm	R	emark	S	Core -	Top (m)	Core Bas	se (m)	% Recovery	contamination	sample hole con n observed. No i	radiological read	Minutes I. No visual or olfactings above backg	round recor	ce of ded.	sing
Scal	le 1:37	.5		es: Al nual id				etres. Lo	ogs sh	nould be read i	Groundwater completion.	encountered 0.7 Response zone	70m - 1.80m bg 1.0-3.0m bgl.	I. Windowless san	nple hole ins	talled upo	'n

WSP	WINI	DOW SAMPLE		Hole No. WS179
150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax:	Project	Woodford Aerodrome		Sheet 1 of 1
Job No 70004430	Client	Harrow Estates Plc		03-07-14 03-07-14
Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
Dynamic Sampling Ltd	Premier Tracker Compact 110	J Watson	E 389687.430 N 382085.290	85.230

SA	MPLE	S & TE						T = "				STRAT	Α				Inst Bac
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				Г	escription			Legend	Geology	Dia 50 mr
					<u> </u>		85.08	-ness) - 0.15	Soft	dark brown sl	ightly clayey	organic fine SA	ND. (TOPSO	IL)	Z1 1 ^N · Z1 1 ^N	TS	
).30-0.40	ES						65.06	- 0.15	Orar		edium to coa	rse slightly gra			0		
						1		(1.05)								ALV	
.00-1.45	D (S)	1,1,1 1,2,1					84.03	1.20									
.20-1.40	ES	N=5.					83.63	- -(0.40) 1.60		to firm low str	ength sandy	clayey amorph	ous PEAT.		<u> </u>	SUPD	
2.00-2.45	D (S)	3,4,5 5,4,5 N=19.							Med DEF	iium dense gre POSITS)	eenish grey n	edium and coa	arse SAND. (C	GLACIAL		GDU	
	_					2	82.33 82.23	2.90	Soft			CLAY. (GLACIA			× ×	GDU	
3.00-3.45	D (S)	1,1,1 1,1,1 N=4.						(1.45)	Very	oloose to loose	e brown sand	y SILT. (GLAC	IIAL DEPOSIT	ΓS)	× × × × × × × × × × × × × × × × × × ×	GDU	
.00	(S)	1,1,1 1,1,1 N=4.					80.78	- - - - 4.45		dow sample c	omplete at 4	45m hal			× · · × · × · × · × · × · × · × · × · ×		Z2222
								- - - - - - - - -		active and the							
	Hole	Diameter	<u> </u>					Reco	very				Water	Strikes			
Depth	Dian	neter (mm)	R	emark	s	Core 7	Гор (т)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
											General Rei	marks sample hole com	0.80 3.00	bgl. No visual or	olfactory evid	ence of	
											contaminatio Groundwater	n observed. No r encountered at one 0.50m to 4m	adiological read 0.80 and 3.00n	lings above bacl	ground record	ded.	

Hole No. **WINDOW SAMPLE LOG WS180** Sheet 150-182 The Quays M50 3SP Telephone: 0161 886 2400 Fax: Project Woodford Aerodrome 1 of 1 Job No Date Client 04-07-14 70004430 Harrow Estates Plc 04-07-14 Co-Ordinates (NGR) Contractor / Driller Method/Plant Used Logged By Ground Level (m AOD) E 390024.390 N 382420.700 **Premier Tracker Compact** Dynamic Sampling Ltd 87.080 S Weston

SA	MPLE	S & TE	STS									STRAT	A	·			Insta Back
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Г	Description			Legend	Geology	Dia
-							86.78	(0.30)		DE GROUND:	Brown slight	ly clayey slight	ly sandy SILT	. (TOPSOIL)		GMG	
- _0.30-0.60 - - -	ES							(0.70)		DE GROUND:	Firm brown s	slightly gravelly	CLAY with o	ccasional ash.		CMG	
_ _1.00-1.45	D (S)	1,2,1 2,2,2					86.08	(0.30)	MAE	DE GROUND: to coarse ang	Soft and firm	grey slightly g	ravelly silty C	LAY. Gravel is		CMG	
1.00-1.30	ES	N=7.					85.78					y sandy CLAY.	(GLACIAL D	EPOSITS)		-	
1.50-1.80 - 2.00-2.45	ES D (S)	1,1,1 1,2,2 N=6.						- -(1.20)								GDU	
_ 3.00-3.45	D (S)	1,0,0 1,0,0				<u>‡</u>	84.58	2.50 - - - - - - - - - - - - - - - -	Brov	wn SILT. Becc	oming wet. (G	LACIAL DEPC	OSITS)		× × × × × × × × × × × × × × ×	GDU	LACE CACACA
		N=1.					83.63	- 3.45	Win	dow sample c	omplete at 3.	45m bgl			× × × ×		
-																	
	Hole	Diameter	· ·					Recov	very				Water	Strikes			
Depth	Diam	neter (mm)	R	emark	S	Core ⁻	Top (m)	Core Bas	se (m)	% Recovery	Date General Rei Windowless		Strike 2.70	Minutes bol. No visual or	Standing Olfactory evid		asing
Scal	e 1:37	.5		es: All				etres. Lo	ogs sh	nould be read	Windowless contaminatio Groundwater	sample hole con in observed. No r encountered at	radiological read 2.70m bgl. Hol	bgl. No visual or dings above back e backfilled upon acriptions are ba	ground recor completion.	ded.	

ıδ																	
S C		Hole	Diameter					Reco	very				Water	Strikes			
אכ	Depth	Dian	neter (mm)	Remark	ĸs	Core 7	Гор (т)	Core Ba	se (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Ca	sing
LE LOG WOODF(2.70				
NDOW SAMPI											contamination	narks sample hole com n observed. No r encountered at	adiological read	ings above back	kground record	ence of ded.	

Appendix D

REMEDIATION / VALIDATION CRITERIA



Woodford Aerodrome DP4 North Remediation Strategy - Appendix D Soil Remediation / Validation Criteria - WSP, June 2021

Attribute	Remediation / Validation Qualitative Criteria							
Chemical / hydrocarbon odour	No odours for soils within 0.6m of finished levels. Mild odours may be acceptable for deeper soils if associated risks sufficiently characterised and concentrations comply with those presented below							
Colouration	No unnatural colouration for soils within 0.6m of finished levels. Certain colouration may be acceptable for deeper soils if associated risks sufficiently characterised and concentrations comply with below							
Asbestos fibres in soils	No asbestos detected in soil to be placed within 0.6m of finished level in areas of soft landscaping. Low level asbestos content could be acceptable beneath buildings / roads / hardstanding - to be confirmed by Environmental Consultant							
Pieces of asbestos containing materials	Not acceptable to remain on site without detailed assessment based on proposed use							
Radiological	Consult radiological advisor							

Group	Chemical / TPH Fraction	Soil Remediation / Validatio Criteria (mg/kg)
	Aliphatic C05-C06	78
	Aliphatic C06-C08	231
	Aliphatic C08-C10	65
	Aliphatic C10-C12	324
	Aliphatic C12-C16	2220
	Aliphatic C16-C35	69500
	Aliphatic C35-C44	69500
iphatics and Aromatics (TPH CWG)	Aromatic C05-C07	145
CWG)	Aromatic C07-C08	296
	Aromatic C08-C10	83
	Aromatic C10-C12	174
	Aromatic C12-C16	314
	Aromatic C16-C21	484
	Aromatic C21-C35	1100
	Aromatic C35-C44	1100
	1,2,3-Trimethylbenzene	12
	1,2,4-Trimethylbenzene	12
	1,3,5-Trimethylbenzene	12
	•	
BTEX and Fuel Additives	Benzene	0.18
	Ethylbenzene	111
	Methyl t-butylether (MTBE)	108
	Toluene	296
	Xylene	133
	1,1,1,2-Tetrachloroethane	2.8
	1,1,1-Trichloroethane	42
	1,1,2,2-Tetrachloroethane	3.5
	1,1,2-Trichloroethane	1.6
	1,1-Dichloroethane	5.5
	1,1-Dichloroethene	0.57
	1,2-Dichloroethane	0.011
	Cis 1,2-Dichloroethene	0.27
	1,2-Dichloropropane	0.06
	Chloroethane	16
Chlorinated Aliphatics	Chloroform	1.7
·	Chloromethane	0.014
	Carbon tetrachloride	0.79
	Dichloromethane	1.1
	Hexachloroethane	0.65
	Hexachlorobutadiene	0.75
	Trans-1,2-Dichloroethene	0.48
		0.39
	Tetrachloroethene (PCE)	
	Tetrachloromethane	0.79
	Trichloroethene (TCE)	0.034
	Vinyl chloride	0.00087
	Arsenic	32
	Cadmium	12
	Chromium III	1590
	Hexavalent Chromium	4.5
	Copper	2490
Metals	Mercury	39
otalo	Mercury - Elemental	0.55
	Methyl Mercury	7.5
	Nickel	126
	Lead	134
	Selenium	258
	Zinc	3860
5	Benzo (a) pyrene #	1.6
PAH	Naphthalene	5.6
	iso-Propylbenzene	37
	n-Propylbenzene	111
VOC	iso-Propylbenzene	37
DCD	n-Propylbenzene	111
PCB	Sum of 7 congeners	0.29

[#] Bap used as surrogate marker for other PAHs (apart from naphthalene)- only applicable when concentration profile of PAH16 compounds complies with that defined in the 'surrogate marker' methodology in DEFRA SP1010 BaP appendix - likely to be applicable for hydrocarbons identified previously on the Woodford Aerodrome site.

Appendix E

GENERAL LIMITATIONS



Revised: 24/05/2017



REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

GENERAL

- 1. WSP UK Limited has prepared this report solely for the use of the Client and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed and outlined in the body of the report.
- Unless explicitly agreed otherwise, in writing, this report has been prepared under WSP UK Limited standard Terms and Conditions as included within our proposal to the Client.
- 3. Project specific appointment documents may be agreed at our discretion and a charge may be levied for both the time to review and finalise appointments documents and also for associated changes to the appointment terms. WSP UK Limited reserves the right to amend the fee should any changes to the appointment terms create an increase risk to WSP UK Limited.
- 4. The report needs to be considered in the light of the WSP UK Limited proposal and associated limitations of scope. The report needs to be read in full and isolated sections cannot be used without full reference to other elements of the report and any previous works referenced within the report.

PHASE 1 GEO ENVIRONMENTAL AND PRELIMINARY RISK ASSESSMENTS

Coverage: This section covers reports with the following titles or combination of titles: phase 1; desk top study; geo environmental assessment; development appraisal; preliminary environmental risk assessment; constraints report; due diligence report; geotechnical development review; environmental statement; environmental chapter; project scope summary report (PSSR), program environmental impact report (PEIR), geotechnical development risk register; and, baseline environmental assessment.

- 5. The works undertaken to prepare this report comprised a study of available and easily documented information from a variety of sources (including the Client), together with (where appropriate) a brief walk over inspection of the Site and correspondence with relevant authorities and other interested parties. Due to the short timescales associated with these projects responses may not have been received from all parties. WSP UK Limited cannot be held responsible for any disclosures that are provided post production of our report and will not automatically update our report.
- 6. The opinions given in this report have been dictated by the finite data on which they are based and are relevant only for the purpose for which the report was commissioned. The information reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, WSP UK Limited reserves the right to review such information and, if warranted, to modify the opinions accordingly.
- 7. It should be noted that any risks identified in this report are perceived risks based on the information reviewed. Actual risks can only be assessed following intrusive investigations of the site.
- 8. WSP UK Limited does not warrant work / data undertaken / provided by others.



REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

INTRUSIVE INVESTIGATION REPORTS

Coverage: The following report titles (or combination) may cover this category of work: geo environmental site investigation; geotechnical assessment; GIR (Ground Investigation reports); preliminary environmental and geotechnical risk assessment; and, geotechnical risk register.

- 9. The investigation has been undertaken to provide information concerning either:
 - The type and degree of contamination present at the site in order to allow a generic quantitative risk assessment to be undertaken; or
 - ii. Information on the soil properties present at the site to allow for geotechnical development constraints to be considered.
- 10. The scope of the investigation was selected on the basis of the specific development and land use scenario proposed by the Client and may be inappropriate to another form of development or scheme. If the development layout was not known at the time of the investigation the report findings may need revisiting once the development layout is confirmed.
- 11. For contamination purposes, the objectives of the investigation are limited to establishing the risks associated with potential contamination sources with the potential to cause harm to human health, building materials, the environment (including adjacent land), or controlled waters.
- 12. For geotechnical investigations the purpose is to broadly consider potential development constraints associated with the physical property of the soils underlying the site within the context of the proposed future or continued use of the site, as stated within the report.
- 13. The amount of exploratory work, soil property testing and chemical testing undertaken has necessarily been restricted by various factors which may include accessibility, the presence of services; existing buildings; current site usage or short timescales. The exploratory holes completed assess only a small percentage of the area in relation to the overall size of the Site, and as such can only provide a general indication of conditions.
- 14. The number of sampling points and the methods of sampling and testing do not preclude the possible existence of contamination where concentrations may be significantly higher than those actually encountered or ground conditions that vary from those identified. In addition, there may be exceptional ground conditions elsewhere on the site which have not been disclosed by this investigation and which have therefore not been taken into account in this report.
- 15. The inspection, testing and monitoring records relate specifically to the investigation points and the timeframe that the works were undertaken. They will also be limited by the techniques employed. As part of this assessment, WSP UK Limited has used reasonable skill and care to extrapolate conditions between these points based upon assumptions to develop our interpretation and conclusions. The assumption made in forming our conclusions is that the ground and groundwater conditions (both chemically and physically) are the same as have been encountered during the works undertaken at the specific points of investigation. Conditions can change between investigation points and these interpretations should be considered indicative.
- 16. The risk assessment and opinions provided are based on currently available guidance relating to acceptable contamination concentrations; no liability can be accepted for the retrospective effects of any future changes or amendments to these values. Specific assumptions associated



REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

with the WSP UK Limited risk assessment process have been outlined within the body or associated appendix of the report.

- **17.** Additional investigations may be required in order to satisfy relevant planning conditions or to resolve any engineering and environmental issues.
- 18. Where soil contamination concentrations recorded as part of this investigation are used for commentary on potential waste classification of soils for disposal purposes, these should be classed as indicative only. Due consideration should be given to the variability of contaminant concentrations taken from targeted samples versus bulk excavated soils and the potential variability of contaminant concentrations between sampling locations. Where major waste disposal operations are considered, targeted waste classification investigations should be designed.
- 19. The results of the asbestos testing are factually reported and interpretation given as to how this relates to the previous use of the site, the types of ground encountered and site conceptualisation. This does not however constitute a formal asbestos assessment. These results should be treated cautiously and should not be relied upon to provide detailed and representative information on the delineation, type and extent of bulk ACMs and / or trace loose asbestos fibres within the soil matrix at the site.
- 20. If costs have been included in relation to additional site works, and / or site remediation works these must be considered as indicative only and must be confirmed by a qualified quantity surveyor.

EUROCODE 7: GEOTECHNICAL DESIGN

- 21. On 1st April 2010, BS EN 1997-1:2004 (Eurocode 7: Geotechnical Design Part 1) became the mandatory baseline standard for geotechnical ground investigations.
- 22. In terms of geotechnical design for foundations, slopes, retaining walls and earthworks, EC7 sets guidance on design procedures including specific guidance on the numbers and spacings of boreholes for geotechnical design, there are limits to methods of ground investigation and the quality of data obtained and there are also prescriptive methods of assessing soil strengths and methods of design. Unless otherwise explicitly stated, the work has not been undertaken in accordance with EC7. A standard geotechnical interpretative report will not meet the requirements of the Geotechnical Design Report (GDR) under Eurocode 7. The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. The report is likely to represent a Ground Investigation Report (GIR) under the Eurocode 7 guidance.

DETAILED QUANTITATIVE RISK ASSESSMENTS AND REMEDIAL STRATEGY REPORTS

23. These reports build upon previous report versions and associated notes. The scope of the investigation, further testing and monitoring and associated risk assessments were selected on the basis of the specific development and land use scenario proposed by the Client and may not be appropriate to another form of development or scheme layout. The risk assessment and opinions provided are based on currently available approaches in the generation of Site Specific Assessment Criteria relating to contamination concentrations and are not considered to represent a risk in a specific land use scenario to a specific receptor. No liability can be accepted for the retrospective effects of any future changes or amendments to these values, associated models or associated guidance.



REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

- 24. The outputs of the Detailed Quantitative Risk Assessments are based upon WSP UK Limited manipulation of standard risk assessment models. These are our interpretation of the risk assessment criteria.
- 25. Prior to adoption on site they will need discussing and agreeing with the Regulatory Authorities prior to adoption on site. The regulatory discussion and engagement process may result in an alternative interpretation being determined and agreed. The process and timescales associated with the Regulatory Authority engagement are not within the control of WSP UK Limited. All costs and programmes presented as a result of this process should be validated by a quantity surveyor and should be presumed to be indicative.

GEOTECHNICAL DESIGN REPORT (GDR)

26. The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. All the relevant information needs to be provided to allow for a GDR to be produced.

MONITORING (INCLUDING REMEDIATION MONITORING REPORTS)

- 27. These reports are factual in nature and comprise monitoring, normally groundwater and ground gas and data provided by contractors as part of an earthworks or remedial works.
- 28. The data is presented and will be compared with assessment criteria.



8 First Street Manchester M15 4RP

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