

ROYAL MAIL GROUP LIMITED

Project Title

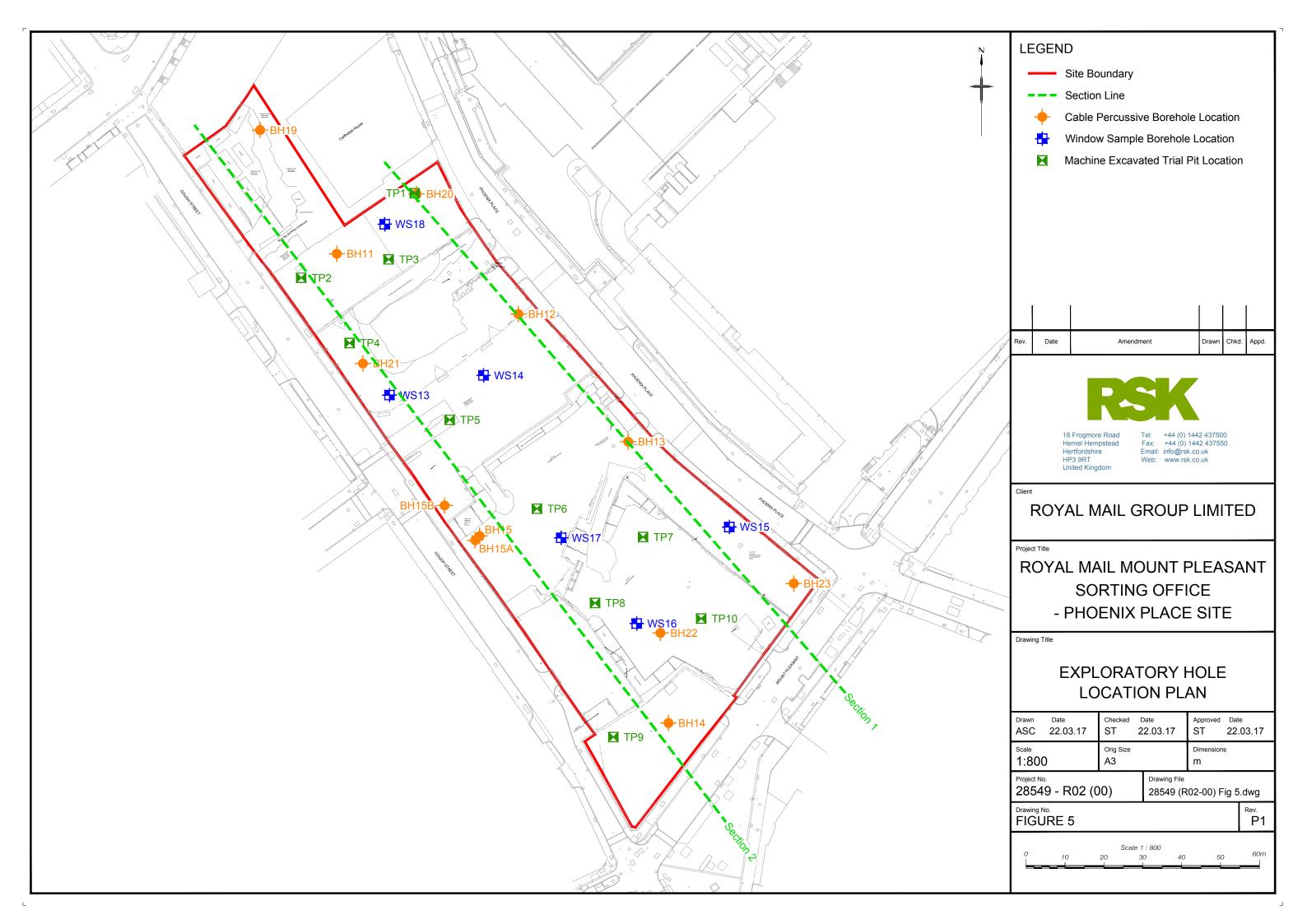
LEGEND

ROYAL MAIL MOUNT PLEASANT SORTING OFFICE - PHOENIX PLACE SITE

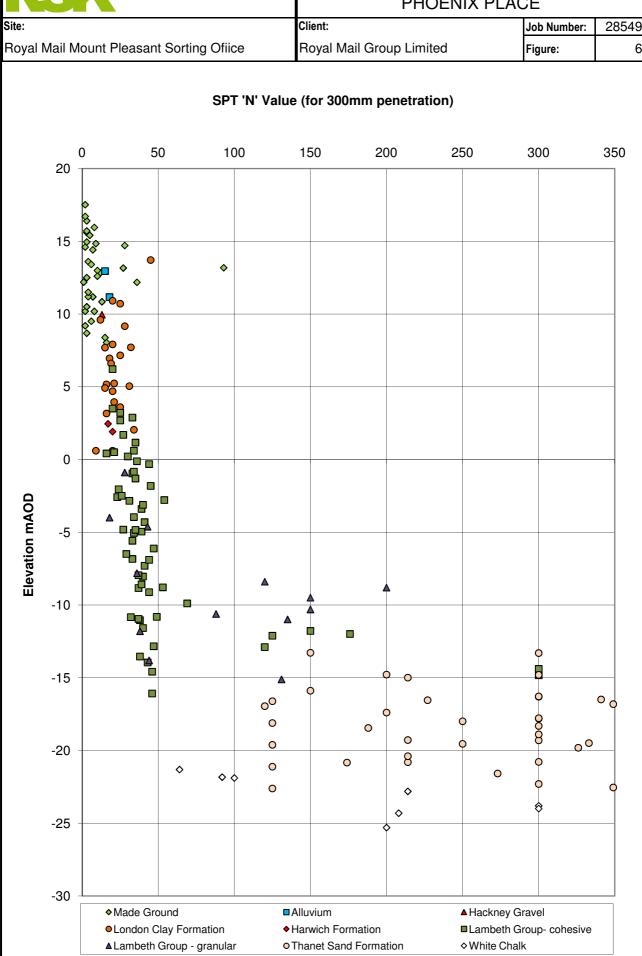
Drawing Titl

PROPOSED DEVELOPMENT ELEVATION PLAN

Drawn Date ASC 21.03.17		Date 1.03.17	Approved ST	Date 21.03.17
Scale 1:1000	Orig Size A3		Dimensions m	5
Project No. 28549 - R02 (0	0)	Drawing File 28549 (R	02-00) F	ig 4.dwg
Drawing No. FIGURE 4				Rev.
0 10		ale	. ₀ 50n	n



RSK	SPT 'N' VALUES vs EL PHOENIX PLAG		I
Site:	Client:	Job Number:	28549
Royal Mail Mount Pleasant Sorting Ofiice	Royal Mail Group Limited	Figure:	6



SPT 'N₆₀' VALUES vs ELEVATION
PHOENIX PLACE

Site:

Royal Mail Mount Pleasant Sorting Office

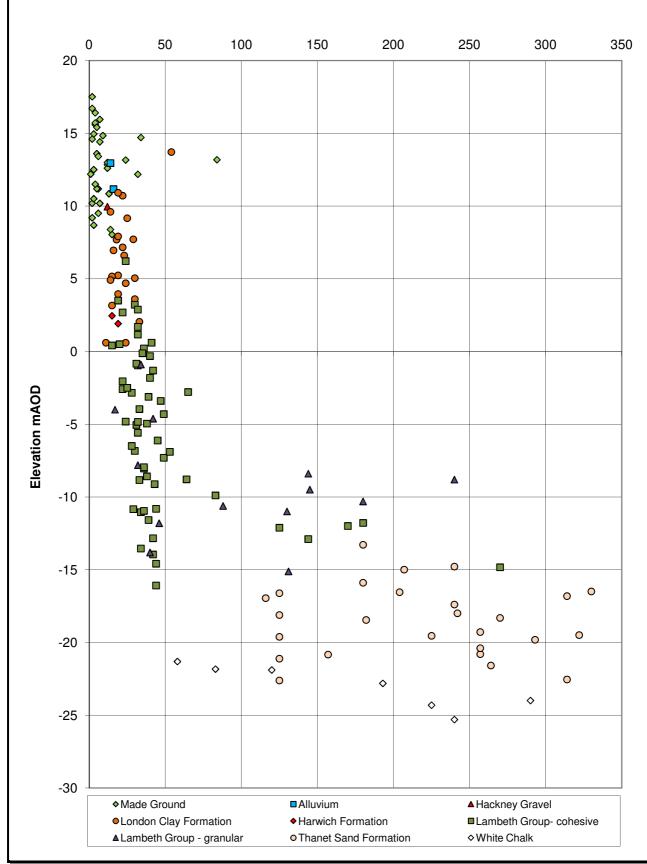
SPT 'N₆₀' VALUES vs ELEVATION
PHOENIX PLACE

Site:

Royal Mail Group Limited

Figure: 7

SPT 'N' Value (for 300mm penetration)





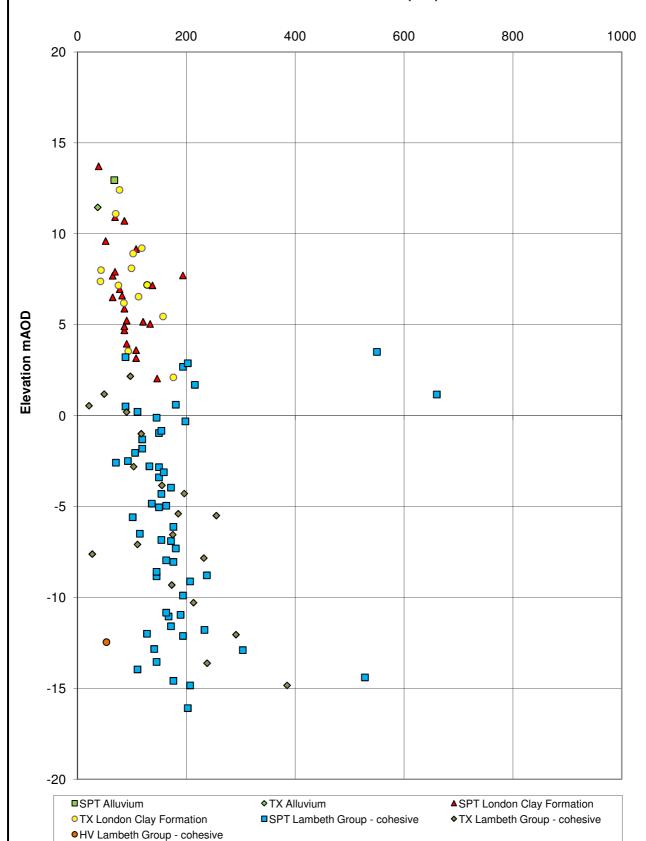
SHEAR STRENGTH vs ELEVATION PHOENIX PLACE

Site

Royal Mail Mount Pleasant Sorting Ofiice

Client: Royal Mail Group Limited Job Number: 28549 Figure: 8







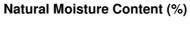
MOISTURE CONTENT vs ELEVATION PHOENIX PLACE

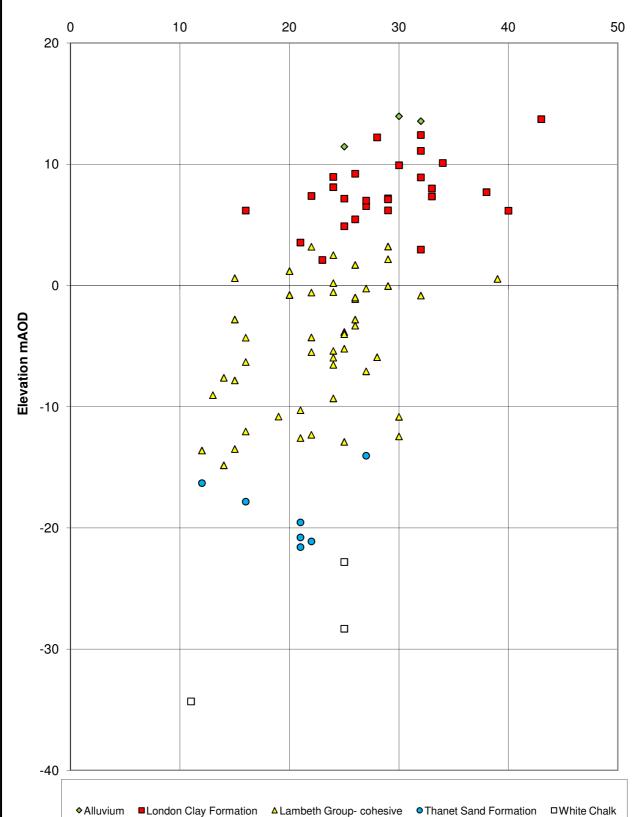
Site

Royal Mail Mount Pleasant Sorting Ofiice

Royal Mail Group Limited

Job Number: 28549
Figure: 9





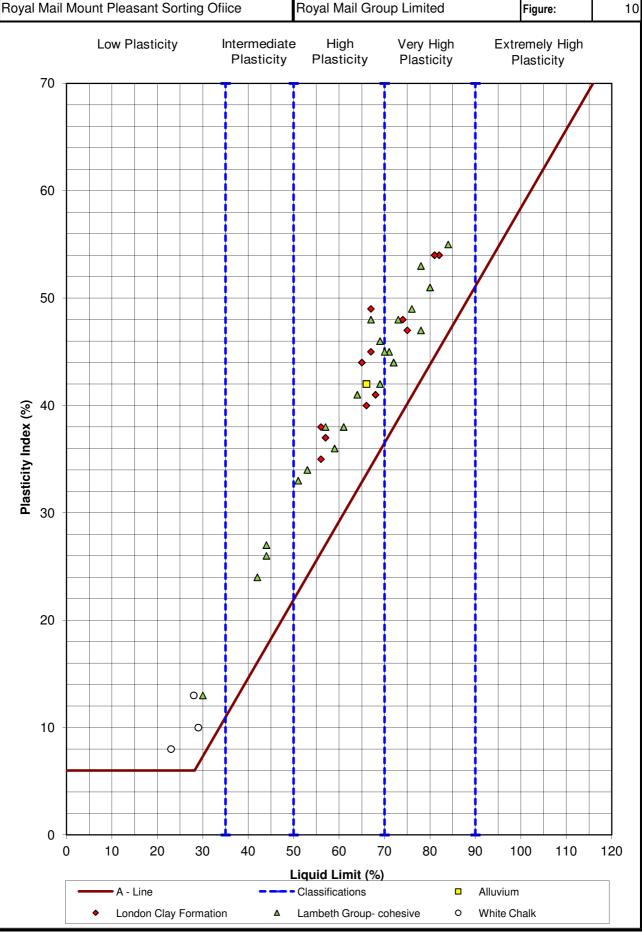


PLASTICITY CLASSIFICATION CHART PHOENIX PLACE

Royal Mail Mount Pleasant Sorting Ofiice

Client: Royal Mail Group Limited

28549 Job Number: 10





APPENDIX A SERVICE CONSTRAINTS

- 1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for Royal Mail Group Limited (the "client") in accordance with the terms of a contract between RSK and the "client", dated 8th November 2016. The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.
- 2. Other than that expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.
- 3. Unless otherwise agreed in writing the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.
- 4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK 's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date of this report, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
- 5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
- 6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials.
- 7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a walk-over survey of the site together with RSK's interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The Services are also based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely. The Services clearly are limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the walk-over survey. Further RSK was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services. RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.
- 8. The intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined borehole and soil vapour locations based on the operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information,] and it should not be inferred that other chemical species are not present.
- 9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (boreholes, trial pits etc) annotated on site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.



APPENDIX B EXPLORATORY HOLE RECORDS



		TOLE LOC								
Contract:						Client:		Boreho	le:	
Mou	ınt	Pleas	ant Sortir	ıg Of	fice	Roya	Mail Group Limited			BH11
Contract Ref	:		Start:	11.1	1.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	17.1	1.16	17.46	E:530926.3 N:182297.5		1	of 5
•		nd In-sit		Water	Backfill & Instru-	De	scription of Strata	Reduced	Depth (Thick	Material Graphic
Depth	No	Туре	Results	>			•		ness)	Legend
- 0.00-1.20 - - - - - 0.50 - 0.50	1	B ES PID	J+V+T 0.0ppm			MADE GROUND: Asph MADE GROUND: Re GRAVEL. Sand is fine coarse of concrete and b	eddish grey and brown SAND and to coarse. Gravel is subangular fine to	17.26	0.20	
- 1.00 - 1.00 - 1.20	2	ES PID D	J+V+T 0.1ppm					-	(1.60)	
- 1.50-1.95 -	1	SPT(c)	1,1/2,2,2,2 N=8					15.66	1.80	
1.50-2.00 1.50 1.50 - 2.00 - 2.00 - 2.50-2.95	3 4 4 2	B PID ES ES PID D SPT(c)	0.1ppm J+V+T J+V+T 0.0ppm 1/,1,1,1 N=3			with a medium cobble co subrounded to angular	brown very clayey SAND and GRAVEL ontent. Sand is fine to coarse. Gravel is fine to coarse flint, brick and concrete. I up to 150mm in diameter concrete. I clinker.	-	(1.70)	
-2.50-3.00 -2.50 -2.50 -3.00 -3.00 -3.20	5 6 6	B D ES ED D 6	0.0ppm J+V+T J+V+T 0.0ppm			is fine.	n brown slightly sandy silty CLAY. Sand	13.96	3.50	
3.50 -3.50-3.95 -3.50 -3.50 -3.90 -4.00 -4.00 -4.50 -4.50 -4.50-5.00 -4.50	7 8 7 9 8 9 10		100 blows 30% recovery 0.0ppm J+V+T J+V+T 0.1ppm J+V+T 2,3/3,4,4,4 N=15 0.0ppm		֓֞֝֓֓֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֜֜֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓	(ALLUVIUM)		- - - - - - - - - - - - - - - - - - -	(4.00)	X X X X X X X X X X X X X X X X X X X
- 5.00 - 5.00 - 5.50 - 6.00 - 6.00-6.45 - 6.00 - 6.40	10 12 11 13	ES PID D ES U PID D	J+V+T 0.0ppm J+V+T 32 blows 100% recovery 0.0ppm	,		o o o o o o			- - - - - - - - -	x . x .
- - - 7.00 - 7.00 -	12	ES PID	J+V+T 0.0ppm					9.96	7.50	x x
7.50-7.95 - - - 7.50 -7.50-8.00	3 15 16	SPT(c) D B	1,2/3,3,3,4 N=13			GRAVEL. Sand is fine subangular fine tocoarse	h brown very clayey silty SAND and e to coarse. Gravel is subrounded to e of flint.	-	(0.70)	
- 7.50-8.00 - 8.00 - 8.00 - 8.20 - 8.50	13 17 18	ES PID D	J+V+T 0.0ppm				ng medium to high strength dark grey silty CLAY. With occasional selenite. IATION)	9.26	- 8.20 - - -	

	Boring Pro	ogress and	Water O	bservations		Chiselli	ng / Slow F	Progress	Cananal	Develo
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)		Remarks
11/11/16 15/11/16 15/11/16 15/11/16 15/11/16 16/11/16	12:35 08:00 11:35 12:35 18:35 18:33 17:44	7.50 7.50 15.00 16.50 18.00 36.50 41.80	7.50 7.50 15.00 16.20 18.00 36.50 36.50	250 250 250 250 250 250 200 200	15.00 16.50	16.20	16.60	02:00	created before reduction 3. Borehole drilled in following bgl in 250mm; 36.5m bgl in 2	es adopted. Bentonite seal on in casing size. owing diameters: 28.0m ogl in 200mm; 41.8m bgl 8.0m bgl in 250mm and
Method Used:	lethod Inspection pit + Plant		ando 300	I,	Drilled By:	MC	All dimensions in metres Logged By: JBarron	Scale: 1:50 Checked ST AGS		



							BOKLII			.00
Contract:						Client:		Boreho		
		Pleas	ant Sorting				Mail Group Limited			BH11
Contract Ref			Start:			Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	17.1°		17.46	E:530926.3 N:182297.5		2	of 5
Samp	oles a	nd In-si	tu Tests	Water	Backfill & Instru- mentation	_		Reduced Level	Depth	Material
Depth	No	Туре	Results	8	Back Inst	Des	cription of Strata	Redu	(Thick ness)	Graphic Legend
- 9.00 - 9.00-9.45	14 19	ES U	J+V+T 52 blows			Stiff initally low becomin	g medium to high strength dark grey lty CLAY. With occasional selenite.		-	<u>xx</u>
9.00		PID	100% recovery 0.0ppm			(LONDON CLAY FORM)	AŤION)	-		<u>xx</u>
9.40	20	D	о.орри			(stratum copied from 8.20	Jm from previous sneet)	-		xx
- - 10.00	15	ES	J+V+T					-	-	xx
10.00	10	PID	0.0ppm					-	-	<u> </u>
10.50-10.95	21	SPT	2,3/4,4,5,5					F		xx
10.50	22	D	N=18							<u> </u>
-									-	
							Ė	(6.00)		
- 11.50 -	23	D						-	(6.80)	
- - 12.00-12.45	24	U	60 blows			At 10 Om hal you his	h atronath	-	-	×
- 12.00-12.45	24	U	100% recovery			At 12.0m bgl very hig	n strengtn.			
12.40	25	D								× _ ×
								-	-	X
- 13.00	16	ES	J+V+T					-	-	x
13.00		PID	0.0ppm					-		<u>×x</u>
13.50-13.95	26	SPT	3,4/5,5,5,6 N=21							<u>xx</u>
13.50-14.00	27	В	., 2.	1_1				Ė		× ×
_				<u></u>						xx
- - 14.50	28	D				At 14.500m bgl firm o	rancistancy	-	-	X X
14.80	17	ES	J+V+T	1		At 14.300111bgi 111111t	onsistency.		[<u> </u>
14.80 14.80 15.00	29	PID D	0.0ppm	-		• Medium dense grey fine \$	SAND.	2.46	15.00	
15.00-15.45	30	SPT	2,2/4,4,4,5 N=17			(HARWICH FORMATIO	N)			
_			N=17	<u>2</u>		•			(1.20)	
_						•		-	-	
- - 16.20-16.60	31	В		,		Recovery of flat sub-an	1.26	16.20		
			25/50	Ţ	₩₿	of medium strong to stron	0.86	16.60		
- 16.50-16.52 -	4	SPT(c)	25/50 for 12mm			(HARWICH FORMATIO)Stiff to very stiff high stre	-		<u>xx</u>	
16.60	32	D	N=1250*			spaced fissured silty CLA	Y. PPER MOTTLED BEDS)	-	-	xx
-						LAMBETTI ORCOT - OF	Ė	<u> </u>	XX	
17.50	33	D				•		E	<u> </u>	xx
-					₩	•		E	-	<u> </u>

		Boring Pro	ogress and	Water O	bservations		Chisel	ling / Slow F	rogress	General Remarks			
коаа, пете	Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)				
vironment Ltd, 18 Frogmore Ko				77.						15m to 18m bgl. 5. Borehole backfilled wit filter between 3.5m to	between 3.5 and m HDPE response zone th 3mm shingle gravel		
40V []	Method Used:		tion pit -		i .	ando 300	0	Drilled By:	МС	Logged By: JBarron	Checked ST AGS		



							U L		.OG	
Contract:						Client:		Boreho	le:	
Mou	ınt	Pleas	ant Sorting				Mail Group Limited			BH11
Contract Ref				11.11.		Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	17.11		17.46	E:530926.3 N:182297.5		3	of 5
Samp	oles a	nd In-si	tu Tests	Water	rru- ation		- disting of Otrota	loed /el	Depth	Material Graphic
Depth	No	Туре	Results	Wa	Instru- mentation		cription of Strata	Reduced Level	(Thick ness)	Legend
- 18.00 - 18.00-18.45	18 34	ES U	J+V+T 150 blows			spaced fissured silty CLA	ngth light bluish grey and brown closely Y.	-	-	<u> </u>
18.00 18.40	35	PID D	100% recovery 0.0ppm			(LAMBETH GROUP - UF (stratum copied from 16.6		- - - -	- - - -	x x
- - 19.00	36	D						- - - -	(5.40)	xx
- 19.50-19.95	37	SPT	3,4/5,6,6,7 N=24					- - -	-	x _ x
19.50-20.00	38	В						-	-	xx
20.50	39	D						- - - -	- - - -	xx
_ - 21.00-21.45 -	40	U	72 blows 100% recovery				-	- - - - -		
-		_					-4.54	22.00	× × ×	
- 22.00 - -	41	D				UPPER MOTTLED BED	ey fine SAND. (LAMBETH GROUP - S - SAND CHANNEL)	-5.04	(0.50)	
22.50-22.95	42 43	SPT B	4,6/7,7,9,11 N=34			Stiff to very stiff high str closely spaced fissured s (LAMBETH GROUP - UR	rength light bluish grey mottled brown lty CLAY.	-	(0.70)	xx
-		_				(LAMBETH GROUP - OF	FER MOTTLED BEDS)	-5.74	23.20	_ x
23.20	44	D				silty CLAY. With partings laminations of lignitic mate	ngth dark grey and light grey fissured sof light grey sand and occasional thin crial.	-	-	XX X
24.00-24.45	45	U	58 blows 100% recovery			(LAMBETH GROUP - LA	IMINATED BEDS)	- - - -	(1.50)	xx
	40	Б		×		0444 4	and the distribution of the last section of th	-7.24	24.70	X X
- 24.70 -	46	D	1.37.7			Stiff to very stiff light gr closely spaced fissured s	-	-		
- 25.00 - 25.00 -	19	ES PID	J+V+T 0.0ppm			(LAMBETH GROUP - LO	- - -	- - -	- x	
25.50-25.95	47	SPT	5,6/9,10,10,11 N=40			At 25.5m bgl red mot	Ė	-	X X	
25.50-26.00	48	В					- - -	(3.30)	x x	
- - 26.50	49	D						- - - -	- (3.30)	xx

	Boring Pr	ogress and	Water Ot	servations		Chisel	ling / Slow F	Progress	General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)			
			, r						between 0.2m and 3.0 18.0m to 24.7m bgl wi	borehole and installation	
Method	· ···opoc	tion pit		.1	ando 300	00	Drilled By:	МС	Logged By: JBarron	Checked ST AGS	



								DONLIN			
Contract:					_	Client:			Boreho		
		Pleas	ant Sorting				al Mail Group				BH11
Contract Ref				11.11.16			National Grid C		Sheet:	_	_
	285	49	End:	17.11.10		17.46	E:530926	6.3 N:182297.5		4	of 5
Samp Depth	les a	nd In-si	tu Tests Results	Water Backfill & Instru-	entation	[Description of Strat	a	Reduced	Depth (Thick ness)	Material Graphic Legend
- 27.00-27.45	50	U	75 blows	<u>m</u>		f to very stiff light	grev mottled dark	yellowish brown very	<u>~</u>	11033)	××
27.00-27.50	51	В	0% recovery		Clos (LAI	sely spaced fissure MBETH GROUP -		D BEDS)	10.54	28.00	X X
28.50-28.95	52	SPT	4,7/9,9,10,10		gree occa fine	f to very stiff hig enish grey sandy s asional discontinu sand.	-	(1.00)	xx		
28.50-29.00	53	В	N=38		(LAI	MBETH GROUP - At 28.0m bgl grey	- -11.54	29 00			
- 29.00 -	54	D			Ven san	y stiff very high do dy silty CLAY. Sa MBETH GROUP	-	-	× · · ×		
- 29.50-29.95 - - -	55	U	150 blows 100% recovery				-	(1.50)	- × · · ×		
- 30.00 - 30.00	20	ES PID	J+V+T 0.0ppm				-13.04	30.50	<u> </u>		
30.50	56	D			rour med	Stiff to very stiff grey very sandy very clayey SILT with rare rounded flat fine to coarse of black pebbles. Sand is fine to medium. Locally thinly to thickly laminated with thin laminations					× × × × × × × × × × × × × × × × × × ×
31.00-31.45	57	SPT	3,6/8,9,10,11 N=38		and	partings light grey	fine sand. UPNOR FORMAT	ION)	F		× <u>×</u> × <u>×</u>
31.00-31.50	58	В	14-30		(27)	WIDE THE GROOT	OF NORT ORWAR	1011)	- - - - -	(2.00)	* * * * * * * * * * * * * * * * * * *
32.00	59	D							-15.04	32.50	× × × × × × × × × × × × × × × × × × ×
- 32.50 - 32.50-32.57	60 61	D SPT	25/50 for 29mm N=517*			y dense grey very IANET SAND FOF			-	-	× × × × × ×
32.50-33.00	62	В							- - -	- - - -	× · · · × · · × · · · · · · · · · · · ·
33.50	63	D							-	- - -	× ×
34.00-34.09	64	SPT	25/50 for 66mm N=227*								× · · · × · · · · · · · · · · · · · · ·
34.00-34.50	65	В					_ - - -	- - - -	×		
- 35.00 - 35.00	21	ES PID	J+V+T 0.0ppm					-	- - -	× × × × × × × × × × × × × × × × × × ×	
35.50 35.50-36.00	66 67	D B								- - - -	× × × × × ×

	Boring Pro	ogress and	Water O	bservations		Chisel	ling / Slow F	Progress	General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)			
									bgl after 20 mins. 8. Groundwater strike (m	5.0m bgl rising to 14.21m edium to large flow) 6.5m bgl rising to 15.70m	
									All dimensions in metres	Scale: 1:50	
Method Used:		tion pit +		i	ando 300	10	Drilled By:	МС	Logged By: JBarron	Checked ST AGS	



Contract:							Client:		Boreh	ole:	
		Pleas	ant Sor					al Mail Group Limited			BH11
Contract Ref			St		11.11.10		nd Level:	National Grid Co-ordinate:	Sheet		
	285	49	Er	nd:	17.11.10		17.46	E:530926.3 N:18		5	of 5
Samp	oles a	nd In-sit	tu Tests		Water Backfill & Instru-	ation	г	Description of Strata	Reduced	Depth (Thick	Material Graphic
Depth	No	Туре	Result	s	Wash Ins	ment	L	Description of Strata	Red	ness)	Legend
- - - - - - - - - - - - - - - - - - -	68	SPT	25/50			∭ (THÌ	/ dense grey very ANET SAND FOR atum copied from S	silty fine SAND. RMATION) 32.50m from previous sheet)	-	(9.33)	× × × × × × × × × × × × × × × × × × ×
- 37.00-37.10 - - - 37.00-37.50	69	В	for 60m N=250°	m				- - - - -	(9.33)	X	
- 38.00	70	D						- - - -	- - - -	× × × × × × × × × × × × × × × × × × ×	
- - - - 38.50-38.60	71	SPT	25/50 for 32m						- - - -	- - - -	× × ×
-38.50-39.00	72	В	N=469 ³					- - - -	-	*	
- 39.50 -	73	D							- - - -	-	× · · · · · · · · · · · · · · · · · · ·
40.00 40.08	22 74	ES SPT	J+V+T 25/50 for 43m N=349	m			Below 40.00m bgl	grading in to very sandy SILT.	-	- - - -	× · · · · · · · · · · · · · · · · · · ·
40.00-40.50	75	B PID	0.0ppm						- - - -	-	×
41.00	76	D								- - - -	× × × × × × × × × × × × × × × × × × ×
- -									- -24.37	41.83	×···×
41.80-41.83	5	SPT(c)	25/50 for 20m N=750	m *		Bore	ehole terminated a	41.83m bgl due to refusal.	-ZT.JI		

	Boring Pr	ogress and			I	Chise	lling / Slow F	Progress	General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)			
			P						Sand. 10. Driller chiselling from hrs.	16.2m to 16.6m bgl: 2	2
									All dimensions in metres	Scale: 1:50	
Method Used:				ando 300	0	Drilled By:	МС	Logged By: JBarron		III AGS	



						0	DOILLI			
Contract:	4 1	D I	4 04!	Of	:	Client:	Mail Ousses Lineited	Boreho		D1140
Contract Re		Pleas	ant Sortin			Ground Level:	Mail Group Limited National Grid Co-ordinate:	Sheet:		BH12
	285	1 0				16.05	E:530973.0 N:182282.1	Sileet.	1	of 5
				23.1			E.930973.0 N. 102202.1	<u></u> σ		
Sam Depth	No	nd In-si Type	tu Tests Results	Water	Backfill & Instru-	Des	cription of Strata	Reduced Level	Depth (Thick ness)	Material Graphic Legend
-						MADE GROUND: Dark \GRAVEL.	greyish brown compacted SAND and	15.85	0.20	
- 0.50-1.00 - 0.50 - 0.50 - 0.50	1	B PID ES	0.0ppm J+V+T			with a medium cobble con subrounded to angular fil	sh brown clayey SAND and GRAVEL tent. Sand is fine to coarse. Gravel is ne to coarse flint, brick and concrete. up to 150mm in diameter concrete and he and dialogs.	-	- - - - -	
- 1.00 - 1.00 - 1.01 - 1.20-1.65	2 2 3	D PID ES SPT(c)	0.0ppm J+V+T 2,3/3,2,2,2 N=9			brick. With occasional as	n and dinker.		(3.00)	
- 1.20-1.70 - 1.50 - 1.50 - 2.00 - 2.00	4 3 4	B ES PID ES PID	J+V+T 0.0ppm J+V+T 0.1ppm					-	- - - - -	
- 2.50 - 2.50	5	ES PID	J+V+T 0.1ppm					- - - -	-	
- 3.00 - 3.00 - 3.20-3.65	6 5	ES PID SPT	J+V+T 0.0ppm 1,3/2,3,4,3				greyish brown very clayey SAND and	12.85	3.20	
3.50 - 3.50 - 3.70-4.20	7	ES PID B	N=12 J+V+T 0.0ppm			Gravel is subrounded to concrete. Cobbles are	cobble content. Sand is fine to coarse. angular fine to coarse flint, brick and subangular up to 150mm in diameter occasional ash and clinker.	- - - -	- - - -	
4.00 4.00 4.20-4.65	7 9	ES PID U	J+V+T 0.0ppm 29 blows 100% recovery					-	- - - -	
4.50 - 4.50		ES PID	J+V+T 0.0ppm					- - -	-	
- 5.00 - 5.00 - 5.20-5.65	8	ES PID SPT	J+V+T 0.0ppm 2,2/4,2,4,3 N=13					- - - -	(4.80)	
5.20-5.70	9	В						- - -	-	
- 6.00 - 6.00	11	ES PID	J+V+T 0.0ppm					- - -	-	
- - 6.50-6.95 -	10	U	32 blows 100% recovery					- - - -	- - - -	
7.00 7.00	12	ES PID	J+V+T 0.0ppm						-	
8.00-8.45	11	SPT	4,4/4,4,4,4 N=16		Ħ.::	Sand is fine to coarse. G	greyish brown sandy gravelly CLAY. ravel is subangular to subrounded fine	8.05	8.00	
- 8.00-8.50 - 8.00 - 8.00	12 13	B ES PID	J+V+T 0.0ppm			clinker.	e and brick. With occasional ash and	7.35	8.70	
- 8.70 - 8.70-9.10	13 14	D B				Description on next shee	[E	<u> </u>	

2		Boring Pro	ogress and	Water Ob	servations		Chisell	ing / Slow F	Progress	Conoral	Domarka
Jan, He	Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)		Remarks
Helli Liu, 10 i roginoi c i v	17/11/16 18/11/16 21/11/16 22/11/16 23/11/16	7/11/16 17:35 15.00 15.00 250 8/11/16 13:33 20.00 20.00 250 1/11/16 17:35 23.00 23.00 200 2/11/16 17:38 32.00 32.00 200								created before reduction 3. Borehole drilled in following bgl in 250mm; 32.5m bgl in 2	es adopted. Bentonite seal on in casing size. wing diameters: 20.0m ogl in 200mm; 40.0m bgl 0.0m bgl in 250mm; 32.5m
	Method Used:	inopostion pit			t d: Da	ando 200		Drilled By:	MW	All dimensions in metres Logged By: JBarron	Scale: 1:50 Checked ST AGS



							DUKER	OL		.UG
Contract:						Client:		Boreho	le:	
Mou	ınt l	Pleas	ant Sortin	g Off	fice	Roya	Mail Group Limited			BH12
Contract Ref	:		Start:	17.11	1.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	23.11	1.16	16.05	E:530973.0 N:182282.1		2	of 5
Sam	oles a	nd In-si	tu Tests	ter	≝ - j			ced	Depth	Material
Depth	No	Туре	Results	Water	Backfill & Instru-mentation	De	scription of Strata	Reduced Level	(Thick ness)	Graphic Legend
9.00 9.00 9.10 9.10-9.40 9.50-9.95 - 10.00 10.00 - 11.00-11.45	14 15 16 17 15 18 19	ES PID D B U ES PID	J+V+T 0.0ppm 47 blows 100% recovery J+V 0.0ppm 4,6/9,7,7,8 N=31			Stiff greyish brown slig Sand is fine to medium fine to medium of flint. (LONDON CLAY FORM (stratum copied from 8.7	70m from previous sheet) grey closely spaced fissured silty CLAY	6.95	9.10	
12.50-12.95 - 13.00 - 13.00	20	U ES PID	64 blows 100% recovery J+V 0.0ppm						- - - - - - - - - - - - - - - - - - -	X X
14.00-14.45	21 22	SPT B	3,5/7,9,9,9 N=34			brown closely spaced fis	very high strength light bluish grey and sured silty CLAY. IPPER MOTTLED BEDS)	- 1.95	-14.10 - - - - - - - - -	
15.50-15.95 - 16.00 - 16.00	23	U ES PID	70 blows 100% recovery J+V 0.0ppm			At 15.5m bgl low str	ength.	-	- - - - - - - - - - - - - -	
17.00-17.45	24 25	SPT B	7,6/7,8,9,9 N=33					- 	- - - - - - - - - -	X X X X X X X X X X X X X X X X X X X

	Boring Pr	ogress and '	Water Ob	servations		Chiselli	ng / Slow F	Progress	Conoral Domarka	
Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General Remarks	
		Depth	Depth	(mm)	Depth				diameter. 4. Monitoring well installations: Pipe 1 - 50mm HDPE response zone between 4.0 and 8.0mbgl. Pipe 2 - 50mm HDPE response zor 23m to 29m bgl. 5. Borehole backfilled with 3mm shingle gravel filter between 4.0m to 8.0mbgl & 23.0m to All dimensions in metres Scale: 1:50	ne .
Method Used:		tion pit +			ndo 200	11	⊥ Drilled By:	MW	Logged Checked	GS



										DUI	/ LII'			
Contract:							Client:					Boreho		
		Pleas			g Office				Mail Grou	•				BH12
Contract Ref		40			17.11.16				National Grid		0004	Sheet:	•	
	285			End:	23.11.16		16.05		E:53097	3.0 N:182	282.1	70		of 5
			tu Tests		Water Backfill & Instru-	Italio		Desc	ription of Stra	nta		Reduced	Depth (Thick	Material Graphic
Depth	No	Туре	Resu	ılts	Bac >							Rec	ness)	Legend
- 18.50-18.95	26	U	68 blo 100% rec			brov (LA	wn closely spa MBETH GRC	aced fissu DUP - UP	ery high streng red silty CLA\ PER MOTTLE Om from previo	ED BEDS)	grey and	- - - - - - - - - - - - - - - - - - -	(8.40)	X X
- 20.00 - 20.00-20.45 - 20.00-20.50	18 27 28	ES SPT B	J+\ 4,8/7,8, N=3	10,9								- - - - - - -	- - - - - - -	X _ X _ X _ X _ X _ X _ X _ X _ X _ X _
20.00		PID	0.0рр	m								- - -	- - -	xx
21.00-21.45	29	SPT	8,9/7,10, N=3									- - - - - -	-	X X X X X X X X X X X X X X X X X X X
- 22.50-22.95	30	U	77 blo 100% red			grey	y fissured silty asional lignitio	y ČLAY. c deposits	ery high strer With partings MINATED BEI	of light grey	and light sand and	-6.45	22.50	X X X X X X X X X X X X X X X X X X X
- 24.00-24.45	31	SPT	7,6/9,9, N=3	10,9 7			WIBETTI GIVE	JOP - LAI	WIINATED BEI	55)		- - - - - - - - - - -	(1.95)	X X X
_ - - - -						∄ mot	tled light yello	wish brov	very high str n closely spac NER MOTTLI	ed fissured si	uish grey Ity CLAY.	8.40 - - - -	24.45	x x
- 25.00 - 25.00	19	ES PID	J+\ 0.0pp		* * * * * * * * * * * * * * * * * *							- - -	- - -	× - ×
25.50-25.95	32	U	88 blo 100% rec									- - - - - - - - - - - -	(4.45)	x x x x x x x x x x x x x x x x x x x

	Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	General	Domarka
Date	Time	Borehole	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)	General	Remarks
	te Time Depth		_ spui	()	_				22.5m to 23.0m bgl & l between 0.2m and 3.5 29.0m to 32.0m bgl wit	oorehole and installation detector with 10.6eV
Method Used:	mopodion pit			t d: D a	ndo 200	0	Drilled By:	MW	Logged By: JBarron	Scale: 1:50 Checked ST AGS



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Contract:						Client:		Boreho	le:	
		Pleas	ant Sortin				Mail Group Limited			BH12
Contract Ref	:		Start:	17.11	1.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	23.11	1.16	16.05	E:530973.0 N:182282.1		4	of 5
	oles a		tu Tests Results	Water	Backfill & Instru-mentation	Des	scription of Strata	Reduced Level	Depth (Thick	Material Graphic
Depth		Туре		_	¤ ⊒ _ E		a very high atropath light bluich grov	- <u>8</u> -	ness)	Legend
27.00-27.45	33	SPT	8,8/8,9,9,11 N=37			mottled light yellowish bro (LAMBETH GROUP - LO	o very high strength light bluish grey own closely spaced fissured silty CLAY. DWER MOTTLED BEDS) 45m from previous sheet)		- - - - - - - - - - - - - - - - - - -	\$ X
-			100% recovery		░░▋	Dorle grove and groonish	are conducible CLAV. Condic fine	-12.85	28.90	¥ .= ×
	35	D				glauconitic. With occasio pockets of grey fine sand (LAMBETH GROUP - UI		-	(1.00)	X X X X X X X X-
-						Ctiff to your stiff your him	h atrangth graan mattled light brougish	-13.85	29.90	* : ×
- 30.00 - 30.00-30.45	20 36	ES SPT	J+V 6,8/9,9,12,13 N=43			yellow sandy silty CLAY. (LAMBETH GROUP - UI		-	(0.60)	
30.00		PID	0.0ppm			Sand is fine to medium.	gh strength grey sandy gravelly CLAY. Gravel is rounded flat fine to coarse of thinly to thickly laminated with thin light grey fine sand. PNOR FORMATION)	-14.45	30.50	
31.50-31.95	37	U	91 blows 100% recovery	,				45.05	-	
32.00	38	D				Very dense grey silty medium pebbles. (THANET SAND FORM	fine SAND with occassional fine to	-15.95	32.00	× × × × × × × × × × × × × × × × × × ×
33.00-33.24	39	SPT	16,9/21,29 for 50mm N=120*						-	
33.00-33.50	40	В	120					- - - - - - -	- - - - - - - -	× × × × × × × × × × × × × × ×
34.50-34.64	41	SPT	25/47,3 for 5mm N=188*					-	- - - -	× × × × × × × × × × × × × × × × × × ×
35.00 35.00	21	ES PID	J+V 0.0ppm					- - - - - -	- - - - - - (8.00)	× × × × × × × × × × × ×

	В	Boring Pro	gress and	Water Ob	servations		Chisel	ling / Slow F	Progress	General	Domarl	/C	
Dat	te	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Reman	N 5	
			Depth	Depth	(mm)	Depth			(bulb			
										7. No groundwater seepa during drilling.	ge observe	d by the	driller
									All dimensions in metres	Scale:	1:50		
	lethod Inspection pit +					·		Drilled		Logged	Checked	CT	
Used	Jsed: Cable percussion		on Use	d: Da	ndo 200	0	By:	MW	By: JBarron	By:	ST	<u> AGS</u>	



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Contract:							Client:					Boreho		
		Pleas	ant So					Royal	Mail Grou		l			BH12
Contract Ref					17.11.1		nd Level:		National Grid			Sheet:		
	285	49	E	nd:	23.11.1		16.05		E:53097	73.0 N:182	2282.1		5	of 5
Samp	oles a	and In-si	tu Tests		Water	ation		5				le/	Depth	Material Graphic
Depth	No	Туре	Resul		Water Backfill &	ment			cription of Str			Reduced Level	(Thick ness)	Legend
36.00-36.10	43	SPT SPT	23,2/25, for 7m N=882 25/50 for 7m N=214. 25/50 for 11m N=136.	nm 2*) nm .3*		Ver med (TH	dium pebbles ANET SAN	s. D FORM <i>A</i>	ine SAND w		al fine to			* * * * * * * * * * * * * * * * * * *
- - 40.00	22	ES	J+V			Bor	ehole compl	eted at 40	.0m bgl.			-23.95	40.00	·* · · · · · · · · · · · · · · · · · ·
40.00		PID	0.0ppr	m										

	Boring Pro	ogress and	Water Ob	servations		Chisell	ing / Slow F	Progress	Conoral	Remarks	
Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remarks	
2 0.0		Depth	Depth	(mm)	Depth			(1111.111111)			
									All dimensions in metres	Scale: 1:50	
Method	ethod Inspection pit +		Plan	t			Drilled		Logged	Checked	
Used:		ercussic		d: Da	ndo 200	0	Ву:	MW	By: JBarron	By: ST	AGS



BORFHOLFLOG

Contract							Client		BUKEH			
Contract:	ınt	Dlose	ant Sorti	na ∩f	fico		Client:	al Mail Grou	n l imited	Boreho	ile:	BH13
Contract Ref		rieas		∷g Oi ∷ 24.1		Groun	d Level:	National Grid	•	Sheet:		БПІЗ
	285	49		28.1	-		14.69		1.2 N:182249.2		1	of 6
		and In-sit	l			5				p =	Depth	Material
Depth	No	Туре	Results	Water	Backfill & Instru-			escription of Stra	ata	Reduced Level	(Thick ness)	Graphic Legend
- 0.00-1.20	1	В				MAD	E GROUND: Da	k brown slightly sa	andy gravelly CLAY with	<u>~</u>	-	XXXX
- - 0.50 - 0.50	1	ES PID	J+V+T 0.1ppm			fine		el is subrounded	and concrete. Sand is to subangular fine to	- - - - -	- - - - - -	
- 1.00 - 1.00	2	ES PID	J+V+T 0.1ppm			•				- - - -	-	
- - 1.50-1.81 - -	1	SPT(c)	7,11/17,22,1 for 11mm N=93*	1		•				-	- - -	
-1.50 1.50 1.50-2.00 2.00 - 2.00	3 2 4	ES PID B ES PID	J+V+T 0.3ppm J+V+T 0.2ppm		*					- - - - -	- - - -	
- 2.00 - 2.20 - 2.50-2.95 -	3 2	D SPT(c)	8,8/7,8,12,9 N=36								(5.60)	
2.50-3.00 - 2.50 - 2.50 - 3.00 - 3.00 - 3.20 - 3.30-3.60	3 5 6 4 5	B ES PID ES PID D B	J+V+T 0.2ppm J+V+T 0.4ppm		h Maria					- - - - - - - -	- - - - - - -	
3.50-3.95 3.50 3.50 3.60	3 7 6	SPT(c) ES PID D	3,2/3,1,2,1 N=7 J+V+T 0.1ppm							-	- - - - -	
3.60-4.00 -4.00 4.00 - 4.20 - 4.50-4.95	7 8 8 9	B ES PID D SPT	J+V+T 0.1ppm 1,1/2,2,2,2							9.09	5.60	
4.50-5.00 - 4.50 4.50 - 5.00 - 5.00	10 9 10	B ES PID ES PID	N=8 J+V+T 0.1ppm J+V+T 0.2ppm			🕽 grave	elly silty CLAY. C se flint, concrete	Gravel is subround	vn very sandy slightly ed to subangular fine to sible reworked alluvial	-	- - - - -	
5.60 - 6.00 - 6.00-6.45	11 11 12	D ES SPT	J+V+T 1/,1,1,1 N=3	1							(1.90)	
-6.00-6.50 -6.00 -7.00 -7.00	12 12 13	B PID ES D	0.1ppm J+V+T	<u>₹</u>						7.19	7.50	
7.00 7.50 7.50	14 15	PID D U	0.1ppm 109 blows 100% recove	- n/		CLA		0 0,	rish brown fissured silty	-	-	× × ×
7.90 - 8.00 - 8.00 - 8.50	16 13	D ES PID D	J+V+T 0.1ppm	y				,		- - - - -	- - - - -	X X
- - -										- -	(3.00)	<u>x x</u>

	Boring Pro	ogress and	Water Ob	servations		Chiselli	ng / Slow F	Progress	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)	
24/10/16	11:25	7.50	6.00	250	7.50	1.80	2.00	01:30	;
24/10/16	17:52	16.00	9.00	250	Dry	40.50	40.90	01:00	_
25/10/16	06:52	16.00	9.00	250	Dry	45.90	46.40	00:45	1
25/10/16	18:56 29.50		9.00	200	Dry				
26/10/16	08:00	29.50	30.00	200	Dry				
26/10/16	17:30	40.00	40.00	200	Dry				
27/10/16	07:15	40.00	40.00	150	Dry				
27/10/16	18:00	50.00	50.00	150	Dry				1
Method	Inspec	tion pit -	+ Plant	t			Drilled		

General Remarks

Hand dug inspection pit to 1.20m bgl.
 Clean drilling technques adopted. Bentonite seal

Clean drilling techniques adopted. Denitorine sear created before reduction in casing size.
 Borehole drilled in following diameters: 30.0m bgl in 250mm; 40.0m bgl in 200mm; 50.0m bgl in 150mm casing to 24.0m bgl in 250mm; 40.0m bgl in 200mm and 50.0m bgl in 150mm

All dimensions in metres Scale: 1:50

Used: Used: Cable percussion

Dando 3000

Ву:

MC

Logged **JBarron**

Checked ST By:





							DUKEI	IOL		.UG
Contract:						Client:		Boreho		
		Pleas	ant Sortin				al Mail Group Limited			BH13
Contract Ref						Ground Level:	National Grid Co-ordinate:	Sheet:	_	
	285	49	End:			14.69	E:531001.2 N:182249.2		2	of 6
Samp	oles a	nd In-si	tu Tests	Water	Backfill & Instru-mentation	_	Description of Strata	Reduced	Depth (Thick	Material Graphic
Depth	No	Туре	Results	>	Bac Ins		·	Red	ness)	Legend
- 9.00 - 9.00-9.45	14 18	ES SPT	J+V+T 3,4/4,5,6,6			Stiff to very stiff high CLAY.	strength dark greyish brown fissured si	ty	-	X
9.00-9.50	19	В	N=21			(LONDON CLAY FOR	RMATION) 7.50m from previous sheet)	-	-	
9.00		PID	0.0ppm			(Sa atam copica nom r	.com nom providuo dilecty	-		<u> </u>
10.00	15	ES	J+V+T		****			-	_	<u> </u>
10.00 10.00	20	D PID	0.0ppm					4.19	10.50	<u> </u>
- 10.50 - 10.50-10.95	21 22	D U	100 blows			Stiff becoming very st	tiff with depth, medium to high becomin depth light brown mottled bluish grey si	ng -	-	XX
10.90	23	D	100 blows 100% recovery			CLÁY.		Ly _	-	× ×
10.90	23	D				(LAMBETH GROUP -	UPPER MOTTLED BEDS)	_	_	×x
-								-	-	xx
-								-	-	× ×
_ - 12.00-12.45	24	SPT	4,5/5,6,7,7					-	-	× ×
12.00-12.50	25	В	N=25					-	-	<u> </u>
-									-	<u> </u>
-								_	-	
- 13.00 - 13.00	16 26	ES D	J+V+T					F	-	
13.00	0.7	PID U	0.0ppm 98 blows					-	-	
13.50-13.95	27	U	100% recovery					-	-	
-13.90	28	D						-		××
-								-	(7.50)	× ×
- - 14.50	29	D						-	-	X
-								-	-	<u> </u>
15.00-15.45	30	SPT	5,6/9,11,12,12 N=44					F	-	<u> </u>
15.00-15.50	31	В						-	-	xx
- 15.50 -	31	D						-	- - -	× ×
- - 16.00	32	D						-	-	× ×
16.00		PID	0.0ppm					E	E	
16.50-16.95	33	SPT	6,7/11,10,12,12					E	E	xx
16.50-17.00	34	В	N=45					-	-	<u> </u>
-								-	-	xx
		_						Ė	-	xx
- 17.50 -	35	D						Ė	-	<u>x _ x</u>
					***			-3.31	18.00	

	Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	Conoral	Domarko	
Date	Time	Borehole		Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remarks	
2 0.10		Depth	Depth	(mm)	Depth			(1111.111111)	diameter.		
28/10/16	15:21		-						4. Monitoring well installations: Pipe 1 - 50mm HDPE response zone between 4.5 and 8.0mbgl. Pipe 2 - 50mm HDPE response zone 1m to 2m bgl. 5. Borehole backfilled with 3mm shingle gravel filter between 4.5m to 8.0mbgl & 1.0m to 2.0m All dimensions in metres Scale: 1:50		
Method Used:		tion pit		.i			Drilled		Logged	Checked ST AGS	
Osea.	Cable p	ercussio	on Use	J. Da	ando 300	0	Ву:	MC	By: JBarron	By: AGS	



							BOKLII			.00
Contract:						Client:		Boreho	ole:	
Mou	ınt l	Pleas	ant Sortin			Royal	Mail Group Limited			BH13
Contract Ref	:		Start:	24.10.1	6	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	28.10.1	6	14.69	E:531001.2 N:182249.2		3	of 6
Samp	oles a	nd In-si	tu Tests	Water ackfill &	ation			iced /el	Depth	Material
Depth	No	Туре	Results	Water Backfill &	menta	Des	cription of Strata	Reduced Level	(Thick ness)	Graphic Legend
- 18.00-18.45	36	U	98 blows 100% recovery		\bigotimes	Stiff to very stiff bluish slightly sandy silty CLAY.	grey mottled orangish brown fissured	-	(0.50)	<u> </u>
18.40	37	D			$\overset{\times\!\!\!\!\times}$	(LĂMBETH GROUP - UF	·	-3.81	18.50	××
18.50	38	D			$\overset{\times\!\!\!\!\times}$	fine.	rey to grey silty sandy CLAY. Sand is	E	-	
19.00	18	ES	J+V+T		$\overset{\sim}{\sim}$	(LAMBETH GROUP - LA	MINATED BEDS)		_	<u> </u>
19.00	39	D			$\overset{\sim}{\sim}$			-	(2.00)	<u> </u>
19.50-19.95	40	SPT	2,3/6,7,7,7		$\overset{ imes}{ imes}$			-	(2.00)	<u> </u>
19.50-20.00	41	В	N=27		$\overset{\sim}{\sim}$			-	-	×
20.00		PID	0.0ppm		$\overset{\sim}{\sim}$					× × ×
-					$\overset{\times\!\!\!\!\times}$			-5.81	20.50	××
- 20.50	42	D			$\overset{\sim}{\sim}$	Stiff to very stiff bluish slightly sandy CLAY.	grey mottled orangish brown fissured	-	-	
24 00 24 45	43	U	106 blows		$\overset{\sim}{\sim}$	(LAMBETH GROUP - LC	OWER MOTTLED BEDS)	-	-	
21.00-21.45	43	U	100 blows 100% recovery		$\overset{ imes}{ imes}$				(1.50)	
21.40	44	D			$\overset{\sim}{\sim}$				-	
-					$\overset{\sim}{\sim}$			7.04	-	
22.00	45	D			$\overset{\sim}{\sim}$		vn slightly silty fine to medium SAND.	-7.31	22.00	× · · · · ×
-					$\overset{\times\!\!\!\!\times}$	(LAMBETH GROUP - CHANNEL)	LOWER MOTTLED BEDS - SAND			×
22.50-22.95	46	SPT	6,7/8,9,9,10 N=36		$\overset{\sim}{\sim}$	O		-	(1.40)	× · · · × . · · × . · · × .
22.50-23.00	47	В	IN-30		$\overset{\sim}{\sim}$			_	_	×
-					$\overset{\times\!\!\!\!\times}$			-	-	×
23.40	48	D			$\overset{\sim}{\sim}$	Stiff to very stiff very hig	h strength bluish grey mottled reddish	-8.71	23.40	× _ ×
-					$\overset{ imes}{ imes}$	brown fissured slightly sai		-	(1.00)	
24.00-24.45	49	U	103 blows		$\overset{\times\!\!\!\!\times}$	(L'IIIILTTT CITO)	WERRINGT TEED DEDG	-	[(1.00)	× · · ×
-	73	O	100% recovery		$\overset{\sim}{\sim}$			-9.71	24.40	×
24.40	50	D			$\overset{\sim}{\sim}$		ngish brown to dark bluish grey slightly AY. Sand is fine to medium. Gravel is			<u> </u>
-					$\overset{\times\!\!\!\!\times}$	subrounded to angular fin	e to medium flint.		(1.10)	
25.00	20	ES			$\overset{\sim}{\sim}$	(LAMBETH GROUP - LC	OWER MOTTLED BEDS)	E	F` '	
25.00 25.00	51	D PID	0.0ppm		\bowtie			-10.81	25.50	
25.50 25.50-25.95	52 53	D SPT	9,11/11,12,13,13	,	\bowtie		y high strength light orangish brown to tly sandy silty CLAY. Sand is		-	<u> </u>
25.50-26.00	54	В	N=49		\bigotimes	predominatley fine.		-	_	xx
20.00-20.00	54	J				(LAMBETH GROUP - LC	OWER MOTTLED BEDS)	Ė	Ė	xx
26.50	55	D						-	-	××
- 20.50	55	U						F		xx
								L	(3.00)	<u> </u>

	Boring Pr	ogress and	Water Ob	servations		Chise	ling / Slow F	Progress	Conoral	Domorko		
Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remarks		
		Depth	Depth	(mm)	Depth			(1111.11111)	bal: sand filter from 4.0	m to 4 5m bal a	and 22 5m	
									bgl; sand filter from 4.0m to 4.5m bgl and 22.9 to 23.0m bgl & bentonite seal/grouting betwee 0.2m and 1.0m bgl; 2.0m to 4.0m bgl; 8.0m to 10.0m bgl & 26.0m to 30m bgl with compacte backfill (sand/clay) between 10.0m to 26m bg and 30m bgl to base of borehole and installation of flush cover.			
									All dimensions in metres	Scale: 1:5	50	
Method Used:	mopostion pit			i	ando 300	0	Drilled By:	МС	Logged By: JBarron	Checked By:	T AGS	



									OKEH			.UG
Contract:							Client:			Boreho	le:	
Mou	ınt l	Pleas	ant Sorti					I Mail Group Li				BH13
Contract Ref					10.16	Groun	d Level:	National Grid Co-ord		Sheet:		
	285	49	End	28	10.16		14.69	E:531001.2	N:182249.2		4	of 6
			tu Tests		Backfill & Instru-		D	escription of Strata		Reduced Level	Depth (Thick	Material Graphic
Depth	No	Туре	Results		Ba		hitalia (a	. It's book and the Park (Re	ness)	Legend
- 27.00-27.45 - 27.40	56 57	U D	130 blows 100% recove	ry		light pred (LAN	bluish grey sli ominatley fine. MBETH GROUP -	ery high strength light on the sandy silty Clay sandy silty Clay Clay Company of the sandy silty Clay Street Stree	_AY. Sand is EDS)	- - - - - -	-	x
28.00	58	D								-	-	
28.50-28.95 28.50 28.50 -28.50-29.00	59 60 61	SPT D B	7,9/10,10,12, N=44	12		grave	elly fine SAND. Gi	grey to dark orangish to avel is rounded fine to rupy JPNOR FORMATION)	orown silty clayey medium flint.	- <u>-13.81</u> - - - - -	28.50	X
29.50	62	D								- - - -	(1.50)	X
- 30.00 - 30.00-30.09	21 63	ES SPT	25/50 for 31mm N=484*			Very (THA	dense dark grey s ANET SAND FOR	ightly silty fine to coarso MATION)		-15.31 -	30.00	
30.00 - 30.00-30.50 - 30.00 - 31.00	64 65 66	D B PID D	0.0ppm							- - - - - -	- - - - - -	
31.50-31.58	67 68	SPT B	25/50 for 43mm N=349*							-	- - - - -	
32.50	69	D								- - - -	(5.60)	
33.00-33.09	70	SPT	25/50 for 50mm									
33.00-33.50	71	В	N=300*							- - -		
34.00	72	D								- - - -	- - - -	
34.50-34.58	73	SPT	25/50 for 46mm N=326*							- - - -	- - - -	
-34.50-35.00 35.00 35.00	74 22	B ES PID	0.0ppm							- - - -	-	
- 35.50 - 35.60	75 76	D D				Desc	cription on next sh	eet		-20.91	35.60	© . × 0× . () . (⊗

		Boring Pro	ogress and	Water 0			Chisel	ling / Slow F	rogress	General	Domar	ko	
,	Date	Time	Borehole Depth	Casino Depth	Borehole Diamete (mm)		From	То	Duration (hh:mm)				
										 6. PID = Photo ionisation detector with 10.6eV bulb 7. Small rate of groundwater seepage observed the driller at 7.5m bgl rising to 7.0m bgl after mins. 			d by
										All dimensions in metres	Scale:	1:50	
	/lethod Jsed:	•	tion pit +		1	ando 300	10	Drilled By:	MC	Logged By: .IBarron	Checked By:		AGS



											E	SOREH	OL		.OG
Contract:								Client:					Boreho	le:	
Mou	ınt	Pleas	ant S	orting	g Of	fice			Royal	Mail Gr	<u> </u>				BH13
Contract Ref	:			Start:	24.10).16	Groun	d Level:		National (Grid Co-ord	dinate:	Sheet:		
	285	49		End:	28.10	0.16		14.6	9	E:53	1001.2	N:182249.2		5	of 6
Samp	oles a	and In-si	tu Tests		Water	≅ 5 ig			_				lced	Depth	Material
Depth	No	Туре	Res	ults	Wa	Backfill & Instru- mentation			Des	scription of	Strata		Reduced	(Thick ness)	Graphic Legend
- 36.00-36.38	4	SPT(c)	6,8/12,1 for 9				Reco	very of d	lark greenise to coarse	h grey to w	vhite silty s	andy subrounded	-	(1.40)	.⊙ .× >× .⊘ . ⊗
36.00-36.50	77	В	N=6				(WH	ITE CHA	LK SUBGF	ROUP)				- (1.10)	
30.00-30.30	′′						(strat	шт соріє	ed from 35.	50m from p	revious sh	eet)	E	-	8.0.0
37.00	78	D					Poor		ff white gra	volly silt of	CHVIK		-22.31	37.00	· · · · · · · · · · · · · · · · · · ·
- 37.00	'						(WH	ITE CHA	LK SUBGF	ROUP)	CHALK.			-	
37.50-37.60	79	SPT	25/	50										-	
			for 70 N=2	0mm !14*										-	
37.50-38.00	80	LB											-	-	
-													-	-	
38.50	81	D												-	
													-	-	
39.00-39.11	82	SPT		0mm									E	-	
39.00-39.50	83	LB	N=2	250*									-	-	
-														-	
40.00	23	ES												-	
40.00 40.00	84	D PID	0.0p	ma										-	
40.50-40.53	98	SPT	25/	50			[Oriller indi	icates proba	able flint col	bble at 40.	5m bgl.	-	-	
-			N=10	5mm 000*									-	-	
41.00	85	D												-	
														-	
41.50-41.55	5	SPT(c)		6mm									-	-	
41.50-42.00	86	В	N=9	38*									-	-	
-													-	-	
- 42.50	87	D												-	
-														-	
43.00-43.02	6	SPT(c)											-	-	
42.00.42.50		_	N=12	2mm 250*									-	[(13.10)	1
43.00-43.50	88	В											-	 -	
44.00	00												-	-	
44.00	89	D											-	-	
44.50-44.55	7	SPT(c)	25/	50									-	-	
	,	J. 1(0)		6mm									E	<u>-</u>	
	Ь		'\-3		\Box	****	B								

	Boring Pr	ogress and	Water Ob			Chiselli	ng / Slow F	Progress	General	Domar	kc	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)	General	Remai	NS	
									All dimensions in metres	Scale:	1:50	
Method Used:		tion pit		.i	ando 300	١.	Drilled By:	MC	Logged By: JBarron	Checked By:	ST	AGS



								D	JKEH	UL		.UG
Contract:							Client:			Boreho		
		Pleas	ant S					al Mail Group Limi				BH13
Contract Ref					24.1			National Grid Co-ordina		Sheet:		
	285	49		End:	28.1		14.69	E:531001.2 N:	182249.2		6	of 6
-	Ι	and In-sit			Water	Backfill & Instru-	[Description of Strata		Reduced Level	Depth (Thick	Material Graphic
Depth	No	Туре	Res	sults	<u> </u>	Ba _ Ba				Re	ness)	Legend
- 44.50-45.00 - 45.00 - 45.00 - 45.50	90 24 91	B ES PID D	0.0	ppm			(WHITE CHALK SUB	gravelly silt of CHALK. GROUP) 37.00m from previous sheet	·)	- - - - -	- - - - -	
- - 46.00-46.01 - - -	8	SPT(c)	for 3	/50 3mm :000*			Driller indicates pi	obable flint cobble at 45.9m	bgl.	-	- - - - - - - - -	
- - 47.00 - - -	92	D								_ - - -	- - - -	
47.50-47.56	9	SPT(c)	for 4	/50 I0mm 375*							- - - - - - -	
- 48.50 -	93	D								- - - -	- - - -	
49.00-49.04	10 94	SPT(c)	for 2	/50 ?7mm 556*						- - - - -	- - - - -	
- 50.00-50.03	11		25	/50						- - -35.41	- - -50.10	
50.00	25	ES	for 2	3mm 552*			Borehole completed a	:50.1m bgl.		-	- - -	
50.00 - 50.00 -	95	D PID	0.0	ppm						- - - -	- - - - -	
- - - -										- - - -	- - - -	
- - - - -										- - - -	- - - -	
- - - -										- - - -	- - - -	
- - - - -										-	-	
- - - - -										- - - -	- - - -	

	Boring Pr	ogress and	Water Ob	servations		Chisell	ing / Slow F	rogress	Conoral	Domor	ko	
Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration	General	Remai	KS	
Date	Time	Depth	Depth	(mm)	Depth	1 10111	10	(hh:mm)				
'												
									All dimensions in metres	Scale:	1:50	
Metho	Inspec	ction pit -	Plan	t			Drilled		Logged	Checked		
Used:		ercussio		d: Da	ando 300	0	By:	MC	By: JBarron	By:	21	AGS



Contract:						Client:	DORLII	Boreho		
	unt F	Pleas	ant Sortin	g O ff	fice		Mail Group Limited	2010110		BH14
Contract Re						Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	24.11	1.16	14.20	E:531011.6 N:182176.9		1	of 5
Sam Depth	ples a	nd In-sit	tu Tests Results	Water	Backfill & Instru-mentation	Des	cription of Strata	Reduced Level	Depth (Thick ness)	Material Graphic Legend
- 0.00-0.50	1	В	rtocano			MADE GROUND: Aspha	lt.	14.00	0.20	Z
0.50 0.50-1.00 0.50 1.00	1 2 2	ES B PID ES PID	J+V+T 0.0ppm J+V+T 0.1ppm			MADE GROUND: Dark with a high cobble conte subrounded to subangula	brownish grey SAND and GRAVEL nt. Sand is fine to coarse. Gravel is in fine to coarse of concrete, brick and crete and brick. With occasional ash			
1.10 1.20-1.65 1.20-1.70 1.50 1.90 2.00-2.45	3 3 2	D SPT(c) B ES PID D SPT(c)	1,2/2,3,2,3 N=10 J+V+T 0.1ppm					- - - - - - - -	(3.60)	
2.00 2.00 2.01-2.50 2.50 2.50 2.80 3.00-3.45	4 4 5	ES PID B ES PID D SPT(c)	N=1 J+V+T 0.0ppm J+V+T 0.0ppm 1,2/2,1,1 N=4							
3.00-3.50 3.00 3.00 3.50 3.50 3.50 4.00-4.45		B ES PID ES PID D SPT(c)	J+V+T 0.0ppm J+V+T 0.1ppm 1,1/1,1 N=2		∄ः∷	MADE GROUND: Brow Sand is fine to coarse. C and brick.	n very clayey SAND and GRAVEL. Gravel is subangular fine to coarse flint	10.40	(1.20)	
4.00-4.50 4.00 4.00 4.50 4.50 4.80 5.00-5.45	6 8 9 5 5	B ES PID ES PID D SPT(c)	J+V+T 0.0ppm J+V+T 0.0ppm 0,1/,1,1 N=2				grey sandy gravelly silty CLAY. Gravel fine to coarse of flint and brick.	9.20	(1.00)	
5.00 5.00-5.50 5.00 6.00 6.00 6.00 6.20 6.50-6.95	10 7 6 11 7 6	ES B PID D ES PID D SPT	J+V+T 0.0ppm J+V+T 0.0ppm 2,3/3,4,4,4 N=15		d_b ´o]	Stiff medium strength bro (LONDON CLAY FORM/	wn mottled light bluish grey CLAY. ATION)		(1.50)	
7.00 7.00 7.50 - 8.00-8.45	12 8 1	ES PID D	J+V+T 0.0ppm 50 blows				sh grey extremely closely spaced silty ots and possible selenite crystals.	6.70	7.50	X X X
- 8.00 - 8.00 - 8.50	13	ES PID D	100% recovery J+V 0.0ppm					- - - - - -	(3.00)	xx xx xx

		Boring Pr	ogress and	Water C	bservations		Chiselli	ng / Slow F	Progress	Conoral	Domarka	
ממ, ומ	Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)		Remarks	
וופוור בנט, וסי וטפוווטיכייי	21/11/16 21/11/16 23/11/16 23/11/16 23/11/16 24/11/16	08:32 17:32 07:32 15:32 17:32 16:17	9.00 9.50 9.50 26.50 27.50 40.00	9.00 9.50 9.50 26.50 27.50 28.00	250 250 250 250 200 200 200	9.00				 Hand dug inspection pit to 1.20m bgl. Clean drilling technques adopted. Bentonite created before reduction in casing size. Borehole drilled in following diameters: 22.7 bgl in 250mm; 27.5m bgl in 200mm; 40.0m in 150mm casing to 9.5m bgl in 250mm; 27 bgl in 200mm diameter. 		
	Method Used:		tion pit			ando 200	I,	Drilled By:	DH	All dimensions in metres Logged By: JBarron	Scale: 1:50 Checked ST AGS	



							BUREF			.UG
Contract:						Client:		Boreho	ole:	
Mou	ınt l	Pleas	ant Sortin	g Of	fice	Roya	al Mail Group Limited			BH14
Contract Ref	:		Start:	21.1	1.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	24.1	1.16	14.20	E:531011.6 N:182176.9		2	of 5
Samp	oles a	nd In-si	tu Tests	Water	fill &			lced /el	Depth	Material
Depth	No	Туре	Results		Backfill & Instru-mentation		Description of Strata	Reduced	(Thick ness)	Graphic Legend
- 9.00 - 9.00	10 14	D ES	J+V			Stiff high strength brown	wnish grey extremely closely spaced silty roots and possible selenite crystals.	,	-	<u> </u>
9.00		PID	0.0ppm			(LONDON CLAY FOR	RMATION)	-		<u> </u>
- 9.50-9.95 -	7	SPT	3,3/4,5,6,5 N=20			(stratum copied from 7	7.50m from previous sheet)	-	-	<u>xx</u>
								-	_	× ×
- 10.00 - 10.00	15	ES PID	J+V 0.0ppm					Ė	Ė	- ×
- 40 - 50		_				0000		3.70	10.50	
- 10.50 - 10.50	11 12	D D				mottled light bluish grev	to very high strength light reddish browr y closely spaced fissured silty CLAY.	-	-	× ×
11 00 11 15	١	U	CE blaves			(LAMBETH GROUP -	UPPER MOTTLED BEDS)	-	-	<u> </u>
11.00-11.45	2	U	65 blows 100% recovery							<u>xx</u>
11.50	13	D						-	-	XX
- 11.50	13	D						-	-	× ×
12.00	14	D						Ė	-	- ×
-	1-7	D						-	-	
12.50-12.95	8	SPT	5,5/6,7,7,7					-		
-			N=27					-	-	X
_ - 13.00	16	ES	J+V					-	-	xx
13.00		PID	0.0ppm					Ė	Ė	×x
13.50	15	D						-	-	<u>xx</u>
									(7.00)	× ×
14.00-14.45	3	U	70 blows					-	L(7.00)	
			100% recovery						-	
14.50	16	D						-	Ė	<u> </u>
-								-	-	<u> </u>
15.00	17	D								<u>×x</u>
-								-	-	xx
15.50-15.95	9	SPT	5,6/7,9,10,9 N=35						-	<u> </u>
-								Ė	_	
- 16.00 - 16.00	17	ES PID	J+V 0.0ppm					-	-	-X-
E			- I. I.						-	
- 16.50 -	18	D						ŧ	Ė	<u> </u>
47.00.47.45			75.1					-	<u> </u>	x
17.00-17.45	4	U	75 blows 100% recovery					Ė	Ē	X X
- - 17.50	19	D				Description on next sh	noot.	-3.30	17.50	<u>× ×</u> ×
- 17.50	19	U				Description on next st	1001	-	E	

	Boring Pro	ogress and	Water Ob			Chisell	ing / Slow F	Progress	Conoral	Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)			
			·						4. Monitoring well installations: Pipe 1 - 50mm HDPE response zone between 2.0 and 6.0mbgl. Pipe 2 - 50mm HDPE response zone 20m to 27m bgl. 5. Borehole backfilled with 3mm shingle gravel filter between 2.0m to 6.0mbgl & 20.0m to 27.0m bgl; sand filter from 1.5m to 2.0m bgl and All dimensions in metres Scale: 1.50		
Method Used:		tion pit -		i .	ando 200		 Drilled By:	DH	Logged By: JBarron	Scale: 1:50 Checked ST AGS	



Contract:						Client:	BOKLII	Boreho		
	ınt l	Pleas	ant Sortin	a Of	fice		Mail Group Limited	DUIEITO		BH14
Contract Ref		· IJUJ		9 01 21.1		Ground Level:	National Grid Co-ordinate:	Sheet:		-
	285	49		24.1		14.20	E:531011.6 N:182176.9		3	of 5
Samp	oles a	nd In-sit	tu Tests	ē	<u> </u>) ed	Depth	Material
Depth	No	Туре	Results	Water	Backfill & Instrumentation	Des	scription of Strata	Reduced	(Thick ness)	Graphic Legend
- 18.00 - 18.50-18.95	20	D SPT	7,7/9,10,10,12 N=41			Very stiff very high interlaminated SILT and laminations of lignitic mat (LAMBETH GROUP - L/		-	(2.00)	X X X X X X X X X X X X X X X X X X X
- 19.00 - 19.00	18	ES PID	J+V 0.0ppm					-5.30	19.50	X X
- 19.50 - 20.00-20.45	21 5	D U	85 blows 100% recovery			brown fissured silty CLA	gth light greenish grey mottled orangish Y. OWER MOTTLED BEDS)		- - - - -	x _ x
20.50	22	D	100 /61000019			At 20.5m bgl slightly	sandy. Sand is fine.		- - - -	X X
21.00	23	D				At 21.0m bgl red mo	ttling.	-	(3.20)	xx
- 21.50-21.95 - - - 22.00	11 19	SPT	7,8/9,11,10,11 N=41 J+V					-	- - - -	xx
22.00	24	PID D	0.0ppm					-8.50	22.70	xx
22.70 - 23.00-23.50 - 23.00-23.18	25 8 12	D B SPT(c)	19,6/50 for 75mm N=200*			fine to coarse GRAVEL.	ht green to black sandy slightly clayey Sand is fine to coarse Quartz. Gravel d fine black pebbles of mixed lithologies. PNOR FORMATION)			
- - 24.00	26	D				o o o		- - - -	- - - -	
24.50-25.00 24.50-24.68	9 13	B SPT(c)	25/37,13 for 25mm N=150*					- - - - - -	(4.80)	
25.50	27	D							-	
- 26.00-26.50 - 26.00-26.45	10 14	B SPT(c)	7,8/10,7,10,11 N=38	*		below 26.0m bgl san	d content decreases.	- - - - - -	-	

	Boring Pro	ogress and	Water O	bservations		Chisell	ing / Slow F	Progress	Conoral	Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)				
		·	·		·				between 0.2m and 1.5 27.0m to 30.0m bgl wit (sand/clay) from 30m l and installation of flush	ionisation detector with 10.6eV		
Method Used:		tion pit -		i .	ando 200		Drilled By:	DH	Logged By: JBarron	Checked ST AGS		



Contract:					(Client:			Boreho	ole:	
Mou	ınt	Pleas	ant Sorti	ng Office			yal	Mail Group Limited			BH14
Contract Ref				21.11.16				National Grid Co-ordinate:	Sheet:		
	285	49	End:	24.11.16		14.20		E:531011.6 N:182176.	9	4	of 5
Samp	oles a	and In-sit	tu Tests	ter ⊡-	5				ced	Depth	Materia
Depth	No	Туре	Results	Water Backfill & Instru-			Des	scription of Strata	Reduced Level	(Thick ness)	Graphic Legence
									-	-	.o
27.50-27.65	15	SPT	19,6/50		Vonce	donoo arov oliak	stlv. o	silty fine SAND.	-13.30	27.50	D · 2
21.50-21.05	13	SFI	for 50mm N=300*		(THAN	NET SAND FO	RM	ATION)	-	-	×
27.50 28.00	28 20	D ES	J+V						-	-	×.:
28.00	20	PID	0.0ppm						-		Î×.
28.50	29	D								-	×::
			05/50						-	-	××
29.00-29.10	16	SPT	25/50 for 50mm						-		×···
			N=300*							-	×
									-	-	×···×
30.00	30	D			8				-	-	*
									-	-	×
30.50-30.60	17	SPT	25/50 for 50mm						-	-	×
			N=300*						-	-	×······································
									-	-	×
31.50	31	D							-	-	×
									-	-	×
32.00-32.13	18	SPT	25/50 for 50mm						-	-	× · · · · ·
			N=300*						-	(10.30	× · · · · ·
									-	10.30)
33.00	21	ES	J+V						-	-	×
33.00 33.00	32	D PID	0.0ppm							-	× × ×
33.50-33.65	19	SPT	19,6/50 for 50mm						-		×···×··
			N=300*						_	-	×····
									Ė	-	×····
34.50	33	D							<u> </u>	-	×······································
									-	-	×····
35.00-35.15	20	SPT	25/50						-	-	×
			for 70mm N=214*		\otimes				E	E	×
									-	E	×

		Boring Pr	ogress and	Water O			Chisel	ling / Slow F	rogress	General	Domarko
	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remarks
)			Depth	Depth	(mm)	Depth			(1111.111111)	7. Small seepage observed sealed out at 9.5m bgl. 8. Small seepage observed sealed out at 27.5m bgl. 9. 300L water added to the Thanet Sand.	ed by driller at 26.5m bgl l.
										All dimensions in metres	Scale: 1:50
	Method Used:	•	tion pit -	111.		ando 200		Drilled By:	DH	Logged By: JBarron	Checked ST AGS



											DOI	/ LII'			
Contract:								Client:					Boreho	le:	
		Pleas	ant S		_				Royal		p Limited				BH14
Contract Ref				Start:	21.1	1.16	Groun	d Level:		National Grid			Sheet:		
	285	49		End:	24.1	1.16		14.20		E:5310 ²	11.6 N:182	2176.9		5	of 5
Samp	les a	and In-si	tu Tests		Water	Backfill & Instru- mentation			Des	cription of Str	ata		Reduced Level	Depth (Thick	Material Graphic
Depth	No	Туре	Res	ults	>	Bac Ins				-			Red	ness)	Legend
36.50-36.60	21	D SPT	25/ for 5/ N=3	0mm			(THA	ANET SAN	D FORMA	ilty fine SAND ATION) 50m from previ			-	-	* * * * * * * * * * * * * * * * * * *
37.50 - 38.00	35 22	D ES	J+	·V			coars	se GRAVE	L of flint. (WHITE CHAL	alky sub-angul K SUBGROUI	ar fine to	-23.60	37.80	
38.00-39.00 38.00 38.01-38.16	36 22	D PID SPT(c)	0.0p 19,6 for 5 N=3	5/50 0mm			(WH	ITE CHAL	K SUBGR	OUP)			- - - - - -	(2.20)	
39.50-39.63	23	SPT(c)	25/ for 7: N=2	5mm									25.80	- - - - - - - - - - - -	
39.50-40.00	37	D					Bore	hole compl	eted at 40	.0m bgl.					

		Boring Pro	ogress and	Water Ob	servations		Chisell	ing / Slow F	Progress	General	Domor	ko	
	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration	General	Reman	KS	
	Date	Tillic	Depth	Depth	(mm)	Depth	1 10111	10	(hh:mm)				
!													
										All dimensions in metres	Scale:	1:50	
M	lethod	Inspec	tion pit -	Plan	t			Drilled		Logged	Checked	-1-21	
U	Used: Cable percussion				d: Da	ando 200	0	By:	DH	By: JBarron	By:	ST	AGS



								DOKLI			.00
Contract:						_	Client:		Boreho		
		Pleas	ant Sor					Mail Group Limited			BH15
Contract Ref							Ground Level:	National Grid Co-ordinate:	Sheet:	_	_
	285	49	E	nd:	11.11	.16	14.81	E:530963.0 N:182225.0		1	of 1
Samp Depth	oles a	nd In-sit	tu Tests Result	to	Water	Backfill	Des	scription of Strata	Reduced Level	Depth (Thick	Material Graphic
0.00-0.50	1	ES	Resuit	เร		 3002	MADE GROUND: Concr	rata		ness)	Legend
0.00-0.50	1	B PID	0.0ppn	m			MADE GROUND: Brown	ete. n silty sand and gravel with high cobble prick with frequent whole bricks.	14.61	0.20	
1.00 1.00 1.00 1.20-1.65	1 2 1 2	D ES PID SPT(c) B	0.0ppn 1,2/3,2,3 N=11	3,3					- - - - -	(2.30)	
1.50 1.50 1.90	2	ES PID D	0.0ppn						-	-	
2.00-2.45	2	SPT(c)	2,2/2,1,2 N=18	!,13 !			MADE ODOUND O	ota D. Harris Protession (P. Landah	12.31	2.50	
2.00-2.50 2.00 2.00	3 4	B ES PID	0.0ppn			·×××××	Refusal at 2.6m bgl due t	ete. Driller indicates possible slab. o concrete obstruction.	12.21	2.60 - - -	va. sudii ku
									-	-	

		Boring Pro	ogress and	Water Ob	servations		Chisel	ing / Slow F	Progress	Conoral	Domarka	
,	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remarks	
	- 5.15		Depth	Depth	(mm)	Depth			(1111.111111)	1 Hand dug inspection pit to	1 20m bal	
, , , , , , , , , , , , , , , , , , , ,	11/11/16	11:00	2.60	2.50	250	Dry	2.50	2.60	01:00	1. Hand dug inspection pit to 1.20m bgl. 2. Borehole drilled to 2.6m bgl in 250mm diameter. 3. Borehole refused at 2.6m bgl. Driller indicated due to concrete obstruction. 4. Borehole backfilled and reinstated at surface with concrete. 5. PID = Photo ionisation detector with 10.6eV bulb All dimensions in metres Scale: 1:50		
	Method Inspection pit + Used: Hand dug		Plan Used		ando 200	Drilled By: DF		DH	Logged By: JBarron	Checked ST AGS		



Contract:	ant Corting f	Office	Client:	d Mail Group Limited	Boreho		J1 F A
Mount Pleasa Contract Ref:			Ground Level:	Il Mail Group Limited National Grid Co-ordinate:	Sheet:		H15A
28549	End: 11		14.85	E:530961.8 N:182223.9		_	of 1
		.	14.03	L.330301.0 N. 102223.3			Materia
Samples and In-sit Depth No Type	Results	Water	De	escription of Strata	Reduced	(Thick	Graphic Legend
			MADE GROUND: Con		14.65	0.20	
			MADE GROUND: Brow content of concrete and	vn silty sand and gravel with high cobb brick with frequent whole bricks.	ole	(2.30)	
-			MADE GROUND: Con	crete. Driller indicates possible slab.	12.35	2.50	
				to concrete obstruction.		-	

	Roring Dr	ogress and	Water Ob	convotions		Chical	ling / Slow F	Progress			
Data		Borehole	Casing	Borehole Diameter	Water		T	Duration	General	Remarks	
Date	Time	Depth	Depth	(mm)	Depth	From	То	(hh:mm)	1 Hand due inspection pit to	1 20m hal	
11/11/16	14:00	2.60	2.50	250	Dry	2.00	2.60	01:00	 Hand dug inspection pit to 1.20m bgl. Borehole drilled to 2.6m bgl in 250mm diameter. Borehole refused at 2.6m bgl. Driller indicated due to concrete obstruction. Borehole backfilled and reinstated at surface with concrete. PID = Photo ionisation detector with 10.6eV bulb 		
									All dimensions in metres	Scale: 1:50	
Method Used:		tion pit - nd dug	Plan Used	.i	ndo 200	0	Drilled By:	DH	Logged By: JBarron	Checked By: ST AGS	



							BOKLII	U L			
Contract:						Client:		Boreho	ole:		
Mou	ınt	Pleas	ant Sorting				Mail Group Limited		В	H15B	
Contract Ref: Start: 28549 End:					1.16	Ground Level:	National Grid Co-ordinate:	Sheet:			
					1.16	17.61	E:530954.0 N:182232.8		1	of 5	
Samples and In-situ Tests				Water	fill & ru- ation			Reduced	Depth (Thick	Material Graphic	
Depth	No	Туре	Results	×	Water Backfill & Instru- mentation	Des	Description of Strata				
- 0.00-0.50 - 0.50 - 0.50-1.00 - 0.50 - 1.00	1 1 2 2	ES B PID ES	J+V+T 0.0ppm J+V+T		CM	SAND with a low cobbl quartz. Gravel is subrou	brown silty very gravelly fine to coarse e content. Sand is fine and coarse unded to angular fine to coarse brick, and slate. Cobbles are subangular brick	-	-		
1.00 1.10 1.20-1.65 - 1.20-1.70 - 1.50 - 1.50 - 1.90 - 2.00-2.45	1 1 3 3 2 2 4	PID D SPT(c) B ES PID D SPT(c) ES PID	0.0ppm 1,1/1,1,1 N=3 J+V+T 0.0ppm 1,1/1,1,1 N=3 J+V+T 0.0ppm					14.81	(2.80)		
2.50 - 2.50 - 2.50 - 2.80 - 3.00-3.45 	5 3 3 6 7	ES PID D SPT(c) ES PID ES	0.0ppm 0.0ppm 0,1/,1,1 N=2 J+V+T 0.0ppm J+V+T			gravelly silty CLAY. Sand	dark brown to black sandy slightly dis fine to coarse quartz. Gravel is well e to coarse flint, brick and concrete.	13.61	(1.20)		
- 3.50 - 3.70 - 4.00-4.45 - 4.00	4 4 8	PID D SPT(c)	0.0ppm 1,1/1,1,2 N=4 J+V+T				greenish brown slightly sandy slightly vel is subrounded to subangular brick		(0.80)		
- 4.00 - 4.50 - 4.50 - 4.80 - 5.00-5.45 - 5.00	9 5 5	PID ES PID D SPT	0.0ppm J+V+T 0.0ppm 2,2/2,3,2,3 N=10 J+V+T 0.0ppm			sandy slightly gravelly sil	sh brown mottled bluish grey slightly ty CLAY. Gravel is angular fine Flint. roots weak organic odour (possible	12.81	(1.20)		
- - - 6.00	6	D	e e			Stiff medium to high strer	gth light brown to orangish brown very	11.61	6.00		
6.00 6.00 6.50-6.95	11	ES PID U	J+V+T 0.0ppm 40 blows			closely spaced fissured s selenite crystals. (LONDON CLAY FORM)	ightly sandy silty CLAY. With possible		-	x · · ·	
-		_	100% recovery				,	-	-	× · · · ·	
7.00 7.00 7.00	7 12	D ES PID	J+V+T 0.0ppm					-	(2.50)	×	
- 7.50 - 8.00-8.45 - 8.00 - 8.00	8 6 13	SPT ES PID	2,2/2,3,3,4 N=12 J+V+T 0.0ppm					9.11	8.50	x - x - x - x - x - x - x - x - x - x -	
-		טויי	σ.σρριτί			Description on next shee	t	<u>-</u> -	<u>-</u> -	× - ×	

<u>.</u>																
<u> </u>		Boring Pro	ogress and	Wate	er Obs	servations		Chisell	ing / Slow F	rogress	General Remarks					
Ē	Date	Time	Borehole	Cas	ing	Borehole Diameter	Water	From	То	Duration	Generali	Remarks				
o O	Date	11110	Depth	Depth Depth		(mm)	Depth	1 10111		(hh:mm)	1 Hand due increation of	it to 1 20m hal				
L D	15/11/16	16:00	18.00	9.0	00	250	18.00				Hand dug inspection p Clean drilling technology	es adopted. Bentonite seal				
Ē	15/11/16	17:00	18.00	18.	00	250					created before reduction					
5	16/11/16	06:30	18.00	18.	00	250	17.20				3. Borehole drilled in following diameters: 18.0					
0	16/11/16	08:00	22.50	18.	00	200	22.50					ogl in 200mm; 40.0m bgl				
ġ,	16/11/16	15:00	32.30	28.	50	200						Om bgl in 250mm; 28.5m				
	16/11/16	17:30	40.00	28.	50	150					bgl in 200mm diameter	· -				
Ě																
2											All dimensions in metres	Scale: 1:50				
ā	Method	Method Inspection pit +		Inspection pit + Plant		Inspection pit + Plant					Drilled			Logged	Checked	
Ď	Used: Hand dug								• • • • • • • • • • • • • • • • • • • •						By: .ITownsend	By: SI ACES



							BUKEH	UL		.UG			
Contract:						Client:		Boreho	le:				
Mou	ınt l	Pleas	ant Sortin	g Of	fice	Roya	l Mail Group Limited		В	H15B			
Contract Ref	:		Start:	15.11	1.16	Ground Level:	National Grid Co-ordinate:	Sheet:					
28549 End: 1					1.16	17.61	E:530954.0 N:182232.8		2	of 5			
Samples and In-situ Tests					∞ - i			Reduced Level	Depth (Thick	Material Graphic			
Depth	No	Туре	Results	Water	Backfill & Instru-		Description of Strata						
- 9.00 - 9.00	9 14	D ES				Stiff high strength dark selenite crystals.	grey fissured silty CLAY. With possible	-	-	x			
9.00		PID	0.0ppm			(LONDON CLAY FORM	MATION) 50m from previous sheet)	-	-	× ×			
9.50-9.95	2	U	50 blows 100% recovery			(stratum copied from 6.	born from previous sneet)		-	× ×			
- - 10.00	10	_						-	-	xx			
10.00	10 15	D ES	J+V+T					-	-	× ×			
10.00	11	PID D	0.0ppm					-	-				
- 10.50 -	11	U						Ē					
- - 11.00-11.45	7	SPT	3,4/4,5,5,5					-	-	<u> </u>			
- 11.00-11.45	'	3F1	N=19					-	-	<u>xx</u>			
-								-	(6.20)	xx			
									[` ′	× ×			
12.00	12	D						-	-				
- 12.00	12	D											
12.50-12.95	3	U	60 blows					-	-	X			
- 12.50-12.95	٥	U	100% recovery					[_	xx			
- 13.00	13	D						-	-	xx			
13.00	16	ES											
- 13.00 - 13.50	14	PID D	0.0ppm					-	-				
- 13.30	14	D											
14.00-14.45	8	SPT	4,4/5,6,7,7					-	-	X			
- 14.00-14.45	0	SFI	N=25							xx			
_									- 	xx			
_						Stiff to very stiff high to	very high strength light brown mottled	2.91	14.70	× · · ×			
- - 15.00	15	D				bluish grey fissured slig	ntly sandy silty CLAY. JPPER MOTTLED BEDS)	Ė	-				
- 13.00	13	D				(LAWIDE I'TI GROUP - C	PPPER MOTILED BEDS)	[- <u>·</u>			
- - 15.50-15.95	4	U	80 blows					-	-	× - ×			
- 13.30-13.93	7	U	100% recovery					[× × ×			
- - 16.00	16	D						Ė	<u> </u>	xx			
16.00	17	ES	J+V+T					F	(3.30)	× - ×			
16.00 - 16.50	17	PID D	0.0ppm					Ė	Ė , ,	××			
- 10.50	''	U		16/11				-	-				
- - 17.00-17.45	9	SPT	5,6/7,9,9,9	16/11 06:30				Ė	Ė	× - ×			
17.00-17.45	9	3F1	5,6/7,9,9,9 N=34	-				[-	X X X			
Ė						•		ļ	-	××			
E						•		F	[××			
				 ≈	.:.#:			-0.39	18.00	<u> </u>			

	Boring Pro	ogress and	Water Ol	servations		Chisell	ing / Slow F	rogress	General Remarks				
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)					
		·			·				4. Monitoring well installa HDPE response zone 5.0mbgl. Pipe 2 - 33mr 17.5m to 19m bgl. Pipe response zone 22.0m 5. Borehole backfilled wit filter between 2.0m to 8. All dimensions in metres	between 2.0 and m PVC response zone e 3 - 33mm PVC to 23.5m bgl.			
Method Used:	mopostion pit				ando 200		Drilled By:	DH	Logged By: JTownsend	Checked ST AGS			



Contract:						Client:		Boreho	ylo.	
	ınt l	Dlose	ant Sorting	n ∩f	fico		I Mail Group Limited	DOIEIL		H15B
Contract Ref		ricas	Start:				National Grid Co-ordinate:	Sheet:		ПІЗВ
28549 End:				13.1 17.1		17.61	E:530954.0 N:182232.8	Onoot.	3	of 5
Samples and In-situ Tests							2.000004.011.102202.0	D D	I	Material
Depth	No	Type	Results	Water	Backfill & Instru-mentation	De	scription of Strata	Reduced	Depth (Thick ness)	
- 18.00	18	D					y very silty clayey fine SAND. Sand is OTTLED BEDS - SAND CHANNEL).	-	(0.80)	× · ×
18.50-18.95	10	SPT	3,3/5,7,8,8 N=28			•		-1.19	18.80	× · · ×
19.00	18	ES	J+V+T		::: } :	fissured CLAY.	rength light brown mottled bluish grey JPPER MOTTLED BEDS)		-	
19.00 - - 19.50	19	PID D	0.0ppm			(LAWIDETTI GIVOOF - C	FFER MOTTLED BLDG)		-	
- - -								-	-	
20.00-20.45	5 19	U ES	65 blows 100% recovery J+V+T					-	-	
20.00 20.50	20	PID D	0.0ppm					-	(3.70)	
21.00-21.45	11	SPT	6,6/8,9,10,12 N=39					-	- - -	
21.00	21	D	11 00					-	-	
-					1			-	- - -	
- - -				 ≈		•		-4.89	22.50	
22.50	22	D				Very stiff very high streed sandy silty CLAY. Willignitic material.	-	(0.70)	× · · ×	
23.00-23.45	6	U	65 blows			(LAMBETH GROUP - L	AMINATED BEDS)	_ -5.59	23.20	
- - -			100% recovery			Very stiff very high strer red fissured silty CLAY.	-	-	xx	
23.50	23	D				(LAMBETH GROUP - L	OWER MOTTLED BEDS)	-	- - -	<u> </u>
24.00	24	D						-	(1.80)	
24.50-24.95	12	SPT	7,7/10,10,12,12 N=44							
25.00	20	ES	J+V+T		x	Very dense light orangis	h brown silty clayey fine quartz sand	-7.39	25.00	× · · · · × ·
25.00 25.00	25	D PID	0.0ppm			(LAMBETH GROUP - CHANNEL)	LOWER MOTTLED BEDS - SAND	-	- - -	× × ×
- 25.50 -	26	D						-	- - -	×···×
26.00-26.28	13	SPT	13,12/30,20 for 50mm N=120*						(2.40)	× ×
-								-	-	× · · · · × · · · · · · · · · · · · · ·

	Boring Pro	ogress and	Water	Observation	ons		Chisel	ling / Slow P	rogress	General Remarks				
Date	Time	Time Dole Hole Casing Diame		Diameter			From	То	Duration (hh:mm)	Generali	Remark	S		
	Depth Depth (mm) Depth						(bgl and 22.0m to 23.5n 1.5m to 2.0m bgl and 1 bentonite seal/grouting bgl; 5.0m to 17.0m bgl; to 25.0m bgl with comp from 25m bgl to base of installation of flush cov	7.0m to 17.5 between 0.2 19.0m to 22 pacted backfi of borehole a	5m bgl 8 2m and 2.0m; 23 ill (sand	ፄ 1.5m 3.5m			
										All dimensions in metres	Scale:	1:50		
Method Inspection pit + Used: Hand dug				lant sed:	Dand	lo 200	.	Drilled By:	DH	Logged By: JTownsend	Checked By:	ST	AGS	



								B.	UKEH	UL		.UG
Contract:							Client:			Boreho	le:	
Mou	ınt	Pleas	ant S	ortin	g Of	fice	Roya	l Mail Group Lim	ited		В	H15B
Contract Re	:			Start:	15.1	1.16	Ground Level:	National Grid Co-ordin	ate:	Sheet:		
	285	49		End:	17.1	1.16	17.61	E:530954.0 N:	182232.8		4	of 5
Sam	oles a	and In-si	tu Tests		Water	≨ çi Siği	_			Reduced Level	Depth	Material Graphic
Depth	No	Туре	Res	sults	×	Backfill & Instru-	j 	escription of Strata		Red Le	(Thick ness)	Legend
27.00	27	D								-	-	× · · · × ·
27.50-27.87	14	SPT	9,9/14 for 6 N=	8mm			mottled bluish grey ve silty CLAY.	o extremley high strength y closely spaced fissured LOWER MOTTLED BED	d slightly sandy	-9.79 - - - - - -	27.40	x
28.50	28	D								- - - -	(3.10)	x x
29.00-29.45	7	U	95 b 0% re	lows						-	- '	× - ×
29.01-29.50	7	В	0 % 164	covery						- - - -	-	× - ×
30.00	21	ES	J+	٠V						-	-	- ×-
30.00 30.00	29	D PID	0.0p	opm					-12.89	30.50		
30.50-31.00	8 15			60,20 60mm 120*			dark brownish green s Sand is fine to mediun	gh strength light greyish ightly sandy slightly gravion of the gra	elly silty CLAY. ounded medium	-	-	x x x x x x x x x x x x x x .
31.50	30	D B					holow 22m hal grad	ling into citty clayov vony	ravolly SAND	- - - -	(2.50)	× · · ×
32.00-32.13	16			/50 60mm 300*			below 32m bgi grad	ling into silty clayey very g	ilavelly SAND.	- - - - - - - - - - - - - - - - - - -	- 22.00	× · · × · · · × · · · · · · · · · · · ·
33.50-33.65	17	SPT	25/3 for 2 N=1	5mm			Very dense dark greeni (THANET SAND FOR	sh brown silty fine SAND. MATION)		-10.39		× × × × × × × × × × × × × × × × × × ×
34.50	31	D								- - - -	- - - -	× · · · · · · · · · · · · · · · · · · ·
35.00-35.18	18	SPT	for 7	6/50 '5mm 200*						- - -	- - - -	×
35.00 35.00	22	ES PID	J+	⊦V opm						-	-	*

	Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	Canaral I	Domorko
Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General I	Remarks
	Depth		Depth	(mm)	Depth				6. PID = Photo ionisation bulb 7. Small seepage observe 8. Small seepage observe sealed out at 23.2m bg 9. Water level on 16/11/2 17.2m bgl sealed out at an annual sealed out at an annual sealed out an annual sealed ou	ed by driller at 18.0m bgl. ed by driller at 22.5m bgl l. 016 at start of day was
									All dimensions in metres	Scale: 1:50
Method Used:		tion pit -	Plar Use	i .	ando 200	0	Drilled By:	DH	Logged By: JTownsend	Checked ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:43 | JB2 |



Contract:							Client:			Boreho	le:		
Mou	ınt l	Pleas	ant Sor	ting	g Of	fice	Roy	al Mail Group Limite	d		В	H15B	
Contract Ref							Ground Level:	National Grid Co-ordinate:		Sheet:			
	285	49	E	nd:	17.1	1.16	17.61	E:530954.0 N:18	2232.8		5	of 5	
-			tu Tests Result	· a	Water	Backfill & Instru- mentation		Description of Strata		Reduced Level	Depth (Thick	Material Graphic	
Depth - 36.00	No 32	Type	Result	is		₩÷ë		enish brown silty fine SAND.		Re	ness)	Legend	
- 36.50-36.63	19	SPT	25/50 for 50m N=300	nm			(THANET SAND FO	RMATION) 33.00m from previous sheet)		-	(6.30)	× × × × × × × × × × × × × × × ×	
37.50	33	D								-	- - -	×	
- - 38.00-38.12 - - - -	20	SPT	25/50 for 70m N=214	nm						- - - - - - - -	- - - - - - -	× × × × × × × × × × × × × × × × × × ×	
- - 39.00	34	D								- - 21.69	39.30	× × ×	
39.50-39.70	21	SPT	25/25,2 for 75m	nm			coarse GRAVEL of fl	covery of greenish white sandy chalky sub-angular fine to arse GRAVEL of flint. (WHITE CHALK SUBGROUP). 'HITE CHALK SUBGROUP)					
- -39.50-40.00 - 40.00	35 23	D ES	N=100 J+V				Borehole completed a	at 40.0m bgl.		-22.39	40.00		
40.00		PID	0.0ppn	n									

	Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	Conoral	Domor	lco	
Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remai	KS	
2 0.10		Depth	Depth	(mm)	Depth			(1111.111111)	10. 200L water added to	bo borobol	o to drill	tho
									Thanet Sand.	ne dorenoi	e to ariii	ine
									All dimensions in metres	Scale:	1:50	
Method Inspection pit + Used: Hand dug				Plant Used: Dando 2000			Drilled By:	DH	Logged By: JTownsend	Checked By:	ST	AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrIVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06.
RSK Environment.Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:43 | JB2 |



0						Oliver	DONLII			
Contract:	ın4	Dlooc	ant Sortin	4 Vt	fica	Client:	l Mail Group Limited	Boreho		BH19
Contract Re		rieas	Start:				National Grid Co-ordinate:	Sheet:		рпіэ
	285	49	End:			18.72	E:530906.5 N:182329.4	Oncot.	1	of 5
							L.000000.0 14. 102020.4	<u> </u>	<u>-</u>	Material
Depth	No	and In-si	Results	Water	Backfill & Instru-	De	escription of Strata	Reduced	Depth (Thick	Graphic Legend
- 0.00-0.50	1	В	ixesuits	-			t brown to dark grey silty very gravelly	T & _	ness)	XXXXX
- 0.50 - 0.50 - 0.50	1	ES PID	J+V+T 0.0ppm			fine to coarse SAND v fine and coarse quartz. coarse brick concrete	with a medium cobble content. Sand is Gravel is angular to subrounded fine to ceramics and slate. Cobbles are ed whole bricks and concrete.	17.92	(0.80)	
- 1.00 - 1.00	2	ES PID	J+V+T 0.0ppm			MADE GROUND: Dar	k brown to brown clayey gravelly fine to	17.62	1.10	
1.20-1.65 1.20-1.70 1.50	2 3	SPT(c) B ES	1/,1,1 N=2 J+V+T		40thatatatatatatatatatatatatatatatatatata	coarse SAND with a lov quartz. Gravel is well concrete mortar coal as	v cobble content. Sand is fine to coarse rounded to angular fine to coarse brick, sh and clinker. Cobbles are subangular nd subangular concrete. Occasional	-	- - - -	
_1.50 - 1.90	1	PID D	0.0ppm			pockets of clay.	.a casaga.a. co	Ė		
2.00-2.45	2	SPT(c)	1,1/1,1 N=2			•		-	-	
2.00-2.50	3 4	B ES	J+V+T			•			(3.00)	
2.50 _2.50	5	ES PID	J+V+T 0.0ppm					Ė	-	
2.70	3	D SPT(c)	1,1/1,1,1 N=3			。 。 。		-	- - -	
3.00-3.50 3.00 3.00	4 6	B ES PID	J+V+T 0.0ppm							
_3.50 - 3.70	7 3	ES D	J+V+T					14.62	4.10	
4.00-4.45	5	SPT(c)	5,5/7,7,6,8 N=28				brown slightly silty slightly sandy ular medium to coarse GRAVEL of flint. arse quartz.	-	(0.70)	
4.00 - 4.00	8	ES PID	J+V+T 0.0ppm			(HACKNEY GRAVEL)		13.92	4.80	0.0.0
4.50 4.50 4.70	9	ES PID D	J+V 0.0ppm		Ħ.	brown mottled bluish g Sand is fine quartz. Wit	n depth medium strength light orangish rey fissured slightly sandy silty CLAY. h occasional relict roots.	-	- - -	<u> </u>
. 4.90 · 5.00-5.45	5 5	D SPT	2,2/2,3,2,2			(LONDON CLAY FORM	MATION)	-	-	×
5.00	10	ES	N=9 J+V					-	(1.90)	xx
_5.00 - 6.00	6	PID D	0.0ppm					F	_	×
6.00 6.00	11	ES PID	J+V 0.0ppm					-	-	× ×
6.50-6.95	1	U	50 blows 100% recovery					12.02	6.70	× ×
-			100 /0 1000 /61 y			CLAY. With possible se		_	-	<u> </u>
7.00 7.00	7 12	D ES	J+V			(LONDON CLAY FORM		-	-	
7.50	8	D						-	-	X X
								-	-	X X
8.00-8.45	6	SPT	3,3/4,5,5,6					F	-	xx
- - 8.00	13	ES	N=20 J+V					-	-	× ×
8.00		PID	0.0ppm					-	-	xx
- -								-	(4.30)	<u>x</u>

nel Hen		Boring Pro	ogress and	Wate	er Obs	servations		Chisell	ing / Slow F	rogress	Canavall	Damandra	
oad, Hemel	Date	tte Time Depth Depth (mm) Dep					Water Depth	From	То	Duration (hh:mm)	General I		
ment Ltd, 18 Frogmore Ko	29/11/16 29/11/16 29/11/16 01/12/16 01/12/16	17:00 08:30 17:00 10:30 17:00	10.00 11.00 25.00 27.50 40.00	10 25 25	.50 .50 .00 .00	250 250 250 250 200 150	Dry 11.00 Dry 27.50				1. Hand dug inspection pit to 1.20m bgl. 2. Borehole progressed through machine excavated pit by JCB to 3.5m bgl due to presence of concrete obstruction from 0.8m 1.1m bgl. 3. Clean drilling technques adopted. Bentonite created before reduction in casing size.		
SK Environ	Method Used:	moposition pit				ındo 200		Drilled By:	DH	All dimensions in metres Logged By: JTownsend	Scale: 1:50 Checked By: ST AGS		

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hemel Hempstead, Herifordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:43 | JB2 |



			_				DUKER	UL	L L	. U G
Contract:						Client:		Boreho		
		Pleas	ant Sortin				Mail Group Limited			BH19
Contract Ref		40				Ground Level:	National Grid Co-ordinate:	Sheet:	•	_
	285	49	End:			18.72	E:530906.5 N:182329.4	7	2	of 5
Samı	oles a	and In-si	tu Tests	Water	Backfill & Instru-	De	scription of Strata	Reduced Level	Depth (Thick	Material Graphic
Depth	No	• •	Results	>	Bac		·	Red	ness)	Legend
- 9.00 - 9.00 -	9 14	D ES	J+V	1 1		Stiff high strength dark CLAY. With possible se (LONDON CLAY FORM	greyish brown very closely spaced silty lenite crystals. (ATION)	-	- - -	xx
9.50-9.95 -	2	U	55 blows 100% recovery			stratum copied from 6.7	'Om from previous sheet)	-	- - -	
- 10.00 - 10.00	10 15	D ES	J+V					- - - -	_ - - -	<u> </u>
- - 10.50	11	D		1					- - -	XX
- - - 11.00-11.50	6	В		Ţ		Pecovery of flat sub and	ular coarse GRAVEL and COBBLES of	7.72	11.00	<u> </u>
11.00-11.45	7	SPT(c)	7,8/9,11,11,14 N=45			medium strong to strong	MUDSTONE.		(0.50)	
- - -			N-45			Light brown sandy suba	ngular fine to medium GRAVEL of flint.	7.22	11.50	0.0.0
- - -						Sand is fine to coarse que (HARWICH FORMATIO	artz.		(1.00)	0.0.0
12.00	12	D				(IIARWIOITI ORWATIC	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	L(1.00)	0.000
- - -								6.22	12.50	
12.50-12.95	8	SPT	3,4/4,5,5,6 N=20			Stiff becoming very stiff	with depth high to very high strength	-	-	×
- - -			11-20			 Relict roots and possible 		E	-	xx
- 13.00 -	16	ES	J+V			(HARWICH FORMATIC	DN)	-	-	xx
- 40.50	40	_						-	-	× ×
- 13.50 - -	13	D			淵			-		× ×
- - - 14.00-14.45	3	U	60 blows			•		-	-	
14.00-14.50	7	В	0% recovery			•		-	-	
- 14.00-14.50 -	′	Ь				•		-		
- -								-	-	X
15.00	14	D			:•:H•	•		-		×x
-								-	-	xx
- - 15.50-15.95	9	SPT	455767					-	-	- ×
10.00-10.90	9	351	4,5/5,7,6,7 N=25							
-		F0	1.37					-	(6.90)	X
- 16.00 - 16.00	17	ES PID	J+V 0.0ppm					-	-	× ×
16.50	15							-	-	<u>xx</u>
- 16.50 - -	15	D						-		× ×
- - 								-	-	-
- 17.00-17.45 -	4	U	60 blows 100% recovery					-	-	× _ ×
· -								-		× ×
17.50	16	D						-	-	<u> </u>
- -								ţ	ţ	x

	Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	rogress	Conoral	Domarka	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)	General I	Remarks	
		- Sp. 11	- Sp	(iiii)					4. Borehole drilled in following diameters: 25. bgl in 250mm; 32.0m bgl in 200mm; 40.0r in 150mm casing to 5.5m bgl in 250mm; 2 bgl in 200mm diameter. 5. Monitoring well installations: Pipe 1 - 50mm HDPE response zone between 1.0 and 5.0mbgl. Pipe 2 - 50mm HDPE response : All dimensions in metres Scale: 1:50		
Method Used:		tion pit +		i .	ando 200	00	Drilled By:	DH	Logged By: JTownsend	Checked ST AGS	

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hemel Hempstead, Herifordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:43 | JB2 |



							BOKEH	OL		.UG
Contract:						Client:		Boreho	le:	
Mou	ınt l	Pleas	ant Sorting	g Of	fice	Royal	Mail Group Limited			BH19
Contract Ref	:		Start:	29.1 [′]	1.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	02.12	2.16	18.72	E:530906.5 N:182329.4		3	of 5
			tu Tests	Water	Backfill & Instru-mentation	Des	cription of Strata	Reduced Level	Depth (Thick	Material Graphic
Depth	No	Туре	Results	5	Bac In		•	A L	ness)	Legend
- 18.00 	17	D SPT	5,5/7,7,7,9 N=30			Stiff becoming very stiff dark greyish brown very Relict roots and possible s (HARWICH FORMATION (stratum copied from 12.5)	N)	- - - - - - -	-	X X
19.00	18	ES	J+V					-0.68	19.40	xx
19.50	18	D				Very stiff very high strer bluish grey fissured silty ((LAMBETH GROUP - UF	ngth light orangish brown mottled light CLAY. PPER MOTTLED BEDS)	-	-	<u>x x</u>
20.00-20.45 - 20.00 - 20.00	5 19	U ES PID	65 blows 100% recovery J+V 0.0ppm					-	- - - - -	x _ x - x _ x - x _ x
20.50	19 20	D D						-	- - - - -	xx xx
21.50-21.93	11	SPT	7,5/10,10,17,13 for 54mm					- - - -	- - - -	
- -21.50 - - - - -	21	D	N=54*					- - - - - - - -	-	X X
23.00-23.45	6	U	70 blows 100% recovery					-	(7.10)	xx
23.50	22	D						- - - -	- - - -	
- 24.00 24.00	23	D						- - - - - -	-	X X
- - 25.00 - 25.00	20	ES PID	J+V 0.0ppm					- - - -	- - - -	xx
25.50	24	D						- - -	- - -	xx
26.00-26.45	7	U	75 blows 100% recovery					7.70	- 26 50	
26.50	25	D				Description on next shee	t	7.78 - - -	26.50	xx

	Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	Canaral	Domorko	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)	General	Remarks	
		2 5 0 0 1		()					11.0m to 15m bgl. Pipe 3 - 33mm PVC response zone 27.0m to 28.0m bgl. 6. Borehole backfilled with 3mm shingle grav filter between 1.0m to 5.0mbgl; 11.0m to 1 bgl and 27.0m to 28.0m bgl; sand filter fro 0.8m to 1.0m bgl; 10.5m to 11.0m bgl & bentonite seal/grouting between 0.2m and All dimensions in metres Scale: 1:50		
Method Used:		tion pit +		.1	ando 200	, n	Drilled By:	DH	Logged By: JTownsend	Checked ST	

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hempstead, Herifordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:43 | JB2 |



									DUKI	_ ' '			
Contract:							Client:				Boreho		
		Pleas	ant Sort			_			Mail Group Limited				BH19
Contract Ref						Grour	nd Level:		National Grid Co-ordinate:		Sheet:	_	_
	285	49	En	d: 02	.12.16	<u> </u>	18.72		E:530906.5 N:18232	29.4		4	of 5
Samp	oles a	ınd In-si	tu Tests					Daa	mintion of Charte		rced	Depth	Material Graphic
Depth	No	Туре	Results	, ,	Backfill & Instru-			Desc	cription of Strata		Reduced Level	(Thick ness)	Legend
27.50-27.94	13	D SPT	7,8/12,12,12 for 60mr N=53*	1,12		lami ligni (LAl (<i>stra</i> Ven	nated silfy ČL tic and shelly m MBETH GROU atum copied fro y stiff light blu ntly sandy silty (AY with naterial. JP - LAI m 26.5 uish gr CLAY.	emly high strength dark brownis n closely spaced thin lamination MINATED BEDS) Om from previous sheet) ey mottled orangish brown fis WER MOTTLED BEDS)	ons of	-8.78	27.50	x x x x x x x x x x x x x x x x x x x
- - 28.50 -	27	D				Very stiff very high to extremely high strength light bluish grey mottled light orangish brown fissured silty CLAY. (LAMBETH GROUP - LOWER MOTTLED BEDS)					-9.78 - - -	- 28.50 - - -	x x
29.00-29.45	28	U D	85 blows 100% recov			(2		. 20	WEIKING HEED BEBS,		- - - - - - -	- - - - - -	X X X X X X X X X X X X X X X X X X X
- 30.00 - 30.00 - 30.00 - 30.50-30.65	21 29 14	ES D PID SPT	J+V 0.0ppm 25/37,13 for 25mr								- - - - - -	(3.50)	X X
31.50	30	D	N=150*								- - - - - - - - -	- - - - - - - -	X X
32.00-32.18	15	SPT	23,2/37,1 for 25mr N=150*			Ven (TH	y dense light gre ANET SAND F	eyish bi	rown slightly silty fine SAND. TION)		-13.28 - - - - - -	32.00	× × × × × × × × × × × × × × × × × × ×
33.00	31	D									- - - - -	- - - - -	× ×
33.50-33.63	16	SPT	25/50 for 75mr N=200*	n							- - - - - - - -	- - - - - - -	× × × × × × × × × × × × × × × × × × ×
- - 34.50 -	32	D									- - - -	- - - -	* · · · · · · · · · · · · · · · · · · ·
35.00-35.13	17	SPT	25/50 for 50mr N=300*	n							- - - -	- - - -	×
- 35.00 - 35.00 -	22	ES PID	J+V 0.0ppm								- - - -	- - - (8.00)	× × × × × × × × × × × × × × × × × × ×

		Boring Pro	ogress and	Water C	bservations	;	Chise	lling / Slow F	rogress	Conoral	Domarko
	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration	General	Remarks
į	Dute	1	Depth	Depth	(mm)	Depth	1 10111	.0	(hh:mm)	hal: E 0m to 10 Em hal	15 0m to 27 0m hal and
										28.0m to 30.0m bgl wit (sand/clay) from 30m to and installation of flush 7. PID = Photo ionisation bulb 8. Groundwater strike (sn	ogl to base of borehole n cover. detector with 10.6eV
										All dimensions in metres	Scale: 1:50
i	Method Used:		tion pit		. i			Drilled	D	Logged	Checked ST AGS
2	USEU.	Cable percussion Used:				ando 200	O O	By:	DH	By: JTownsend	By: ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hemel Hempstead, Herifordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:43 | JB2 |



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Contract:								Client:					Boreho	le:	
		Pleas	ant So						Royal		oup Lim				BH19
Contract Ref				Start:	29.1	1.16	Groun	d Level:			Grid Co-ordina		Sheet:		
	285	49		End:	02.1	2.16		18.72	2	E:530	906.5 N:	182329.4		5	of 5
Samp	oles a	ınd In-sit	tu Tests		Water	Backfill & Instru-mentation			Do	scription of	Strata		Reduced	Depth (Thick	Material Graphic
Depth	No	Туре	Resi	ults	\$	Back Ins			Des	scription or	Silala		Red	ness)	Legend
36.50-36.60	33 18	D SPT	25/5 for 50 N=30)mm			(THA	ANET SĂ	ND FÓRM	ATION)	ly silty fine S		-	- - - - - - - - - -	× × × × × × × × × × × × × × × × × × ×
37.50	34	D												- - - -	× · · · × · · × · · · × · · · · · × · · · · · ×
- 38.00-38.15	19	SPT	25/5 for 70 N=2°)mm									- - - - - -	- - - - -	× × × × × × × × × × × × × × ×
39.00	35	D											- - - - -	- - - -	× × × × × ×
39.50-39.61	20	SPT	25/5 for 50 N=30)mm									-21.28	40.00	× × ×
- 40.00 - 40.00 - 40.00	23 36	ES D PID	J+\				Bore	hole comp	oleted at 40	.Om bgl.					

	Boring Pro	ogress and	Water Ob	servations		Chise	ling / Slow F	rogress	General	Domarka	
Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	Generali	Remarks	
		Depth	Depth	(mm)	Depth			(1111.111111)	observed by driller at 1	1.0m bgl rising to 9.4m	,
									bgl after 20 mins seale		1
									9. Small seepage observe		gl.
									10. 200L water added to	the borehole to drill the	-
									Thanet Sand.		
									All dimensions in metres	Scale: 1:50	
Method	mopodion pit			t			Drilled		Logged		耳
Used: Cable percussion			on Used	d: Da	ando 200	0	Ву:	DH	By: JTownsend	By: AC	GS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 Pr\Version: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:44 | JB2 |



Contract:								Client:				Boreho	ole:	
Mou	ınt F	Pleas	ant Sc	ortin	g Off	fice			Royal	Mail Group	o Limited			BH20
Contract Ref								nd Level:		National Grid C		Sheet:		
	285	49		End:	16.11	.16		17.17		E:53094	6.8 N:182312.9		1	of 5
	oles a		tu Tests Resu	ılto	Water	Backfill & Instru-	פוומוסו		Desc	cription of Stra	ta	Reduced	Depth (Thick	Material Graphic
Depth	INO	Туре	Rest	JILS	-			DE GROUN	ID: Copore	to			ness)	Legend
-							MAI cont subr suba MAI San	DE GROUN ent. Sand counded to angular to a DE GROUN d is fine to	ND*: Light is medium angular con ngular con ND*: Light coarse. G	brown gravelly to coarse. Go procrete flint ar crete and bricks brown slightly ravel is fine to	SAND with low cobble ravel is fine to coarse clayey gravelly SAND. coarse subrounded to sional ash and clinker.	17.07	0.10 (0.55) 0.65 (0.95)	
- - -											n slightly sandy slightly	15.57	1.60	
-							grav		with occasi		organic clay. (Possibly	- - - - - - - -	(1.50)	
-												14.07	3.10	
-						Ш	∖ mild	organic or	dour. Grav	el is fine to n	ayey gravelly SILT with nedium subrounded to	13.87	3.30	
4.00 4.00 4.01-4.46 4.01-4.45 4.50 5.00-5.45	1 1 2 1 3	ES PID SPT(c) B ES PID U ES PID	0.1pr 2,4/7,6 N=2 0.2pr 52 bld 100% re- 0.1pr	5,7,7 27 om ows covery			MAI sligh med MAI with subr	DE GROUN atly gravelly ium flint brid DE GROUN a medium counded to	ID*: Dark of CLAY. Sacks with ocur of the Control o	and is fine to concasional chalk to come very clayed tent. Sand is fine to coarse fliup to 150mm	o orange slightly sandy parse. Gravel is fine to	13.57	(2.40)	
_ - 6.00-6.45	2	SPT	1,3/3,5	5,5,5			Ligh	t orangish	brown to	dark brown silt	y sandy clayey fine to	<u>- 11.17</u> -	6.00	*
6.00 6.00 6.01-6.45	2	ES PID B	N=1 0.0pp				;∛ suba			s fine to coarse Flint. (Alluvium)	. Gravel is rounded to	- - - -	(1.00)	xx-
7.00-7.45 7.00 7.00 7.00 7.45	2 5 3	U ES PID D	57 blo 100% re 0.3pp	covery			ໍ່ fissເ		AY. With	occasional sele	rk grey closely spaced enite.	10.17	7.00	X X X
- 8.00-8.45 - 8.00-8.45	3 4	SPT B	5,6/6,7 N=2									- - - -	- - - -	xx
8.00 8.00 8.00	6	ES PID	0.0pp	om								-	- - -	× -×

2		Boring Pr	ogress and	Water Ob	servations		Chiselli	ing / Slow F	Progress	Conoral	Remarks
ממ, בופו	Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)		
וופווו בומ, וס רוטשווטו ביאי	08/11/16 09/11/16 10/11/16 11/11/16 14/11/16 15/11/16	6 18:19 26.00 10.00 200 6 17:30 29.00 26.00 200 6 12:22 29.00 26.00 200 6 16:24 33.00 33.00 200				Dry				*Borehole progressed excavated trial pit TP1 3.5m bgl. Sampling commenced Clean drilling technque created before reduction Borehole drilled in follo	excavated by JCB to from 3.5m bgl. es adopted. Bentonite sea on in casing size.
	Method Used:	inopodiidii pit					_	Drilled By:	MW	All dimensions in metres Logged By: JBarron	Scale: 1:50 Checked ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06.
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Contract:						Client:	_ _ -	Boreho	ام.	
	ınt l	Dlose	ant Sorting	¬ Off	ico		al Mail Group Limited	Boreiro		BH20
Contract Ref		rieas	Start:			Ground Level:	National Grid Co-ordinate:	Sheet:		DI 120
	285	4 9		16.11		17.17	E:530946.8 N:182312.9	Oricci.	2	of 5
							L.330940.0 N. 102312.9	<u>ס</u>		
-			tu Tests	Water	Backfill & Instru-mentation	D	escription of Strata	Reduced Level	Depth (Thick	Material Graphic
Depth	No	Туре	Results	5	E P E		•	Rec L	ness)	Legend
9.00-9.45	3	U	39 blows 100% recovery			Firm to stiff medium to fissured silty CLAY. W	o high strength dark grey closely spaced /ith occasional selenite.	_	-	X
9.00	7	ES PID	0.0ppm			(LONDON CLAY FOR		-	-	××
						(Stratum copied from 7	.oom nom previous sneet)			× ×
10.00-10.45	4	SPT	4,6/6,8,9,9		× ×			_	-	xx
-			N=32		$\otimes \otimes$					× ×
10.00-10.45 10.00	5 8	B ES			XX			-	-	
10.00		PID	0.0ppm		$\otimes \otimes$			_	-	
11.00-11.45	4	U	39 blows		$\otimes \otimes$			_	(8.00)	<u>* _ * _</u>
-	-		100% recovery		$\otimes \otimes$			-	-	××
					$\otimes \otimes$					X X
-					$\otimes \otimes$				-	xx
12.00-12.45	5	SPT	3,5/7,7,7,7		$\otimes \otimes$			-	-	xx
12.00-12.45	6	В	N=28		$\otimes \otimes$					× ×
-					XX			-	-	
-					$\otimes \otimes$			-	-	
13.00-13.45	5	U	41 blows		$\otimes \otimes$					<u>* </u>
13.00	9	ES	100% recovery		$\otimes \otimes$			-	-	× ×
13.00		PID	0.0ppm		$\otimes \otimes$			-		xx
_					$\otimes \otimes$			_	_	× _ ×
- 14.00-14.45	6	SPT	4,4/6,4,8,7 N=25		$\otimes \otimes$			-	-	××
14.00	7	В			XX				-	× ×
_					$\otimes \otimes$			-	-	
45.00.45.45	•		57 hlavo		\bigotimes	Off Early to the Early	Endough Pald III all and a second base	2.17	15.00	
15.00-15.45	ь	U	100% recovery		$\otimes \otimes$	closely spaced fissured	h strength light bluish grey and brown disilty CLAY.			[- <u>×</u> -
-					$\otimes \otimes$	(LAMBETH GROUP -	UPPER MOTTLED BEDS)	-	-	××
					$\otimes \otimes$					××
16.00-16.45	7	SPT	6,5/8,9,9,9		$\otimes \otimes$			-	-	xx
16.00	10	ES	N=35		$\otimes \otimes$			-	-	××
16.00	8	В	0.0		$\otimes \otimes$			-	-	× ×
16.00		PID	0.0ppm		$\otimes \otimes$			Ė	<u>-</u>	× ×
_ - 17.00-17.45	7	U	60 blows		$\otimes \otimes$			-	_ -	
-			100% recovery		$\otimes \otimes$			Ė		<u> </u>
-					\bigotimes			-	-	××
-					$\otimes \otimes$			-	-	× ×
					(XXIIXX					

	Boring Pr	ogress and	Water Ob	servations		Chiselli	ng / Slow	Progress	Conoral	Domarka
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)	bgl in 250mm; 40.0m l 10.0m bgl in 250mm; diameter. 5. Monitoring well installa HDPE response zone	•
Method Used:	•	ction pit	1	.i	ando 200	. 1	Drilled By:	MW	All dimensions in metres Logged By: .IBarron	Scale: 1:50 Checked By: ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06.
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							BURER	UL		.UG
Contract:						Client:		Boreho	le:	
Mou	ınt	Pleas	ant Sorting	g Of	fice	Roya	Mail Group Limited			BH20
Contract Ref	:		Start:	08.1	1.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	16.1	1.16	17.17	E:530946.8 N:182312.9		3	of 5
Samp	oles a	nd In-si	tu Tests	Water	% i			Reduced Level	Depth	Material
Depth	No	Туре	Results	⊗	Backfill & Instru-	De	scription of Strata	Zedu Lev	(Thick ness)	Graphic Legend
18.00-18.45	8	SPT	3,5/7,7,10,10 N=34		\boxtimes	Stiff high to very high	strength light bluish grey and brown	-		<u> </u>
18.00	9	В	IN-34				PPER MOTTLED BEDS) 00m from previous sheet)	- - - - -	(7.00)	xx
19.00-19.45	8	U	58 blows 100% recovery						-	
19.00 19.00	11	ES PID	0.0ppm					-	- - - -	X
20.00-20.45	9	SPT	4,4/6,7,9,9 N=31					-	-	
20.00 20.00 20.00	10 12	B ES PID	0.0ppm					- - - -	- - - -	x x
21.00-21.45	9	U	70 blows 100% recovery					- - - - - - -	- - - - - - -	X X
- - 22.00-22.45	10	SPT	5,7/8,8,9,10			Stiff to your stiff your	aigh atropath dark arou and light arou	-4.83	22.00	<u>*</u> *
22.00	11	В	5,776,6,9,10 N=35			fissured silty CLAY. occasional laminations of (LAMBETH GROUP - L	nigh strength dark grey and light grey With partings of light grey sand and f lignitic material. AMINATED BEDS)	- - - - - -	- - - - - -	- x - x - x - x - x - x - x - x - x - x
23.00-23.45	10	U	53 blows 100% recovery					- - - - - -	- (2.45)	X _ X _ X _ X _ X _ X _ X _ X _ X _ X _
	11 12	SPT B	5,6/4,9,9,11 N=33					7.28	24.45	XX
- - - -						yellowish brown closely	high strength light grey mottled dark spaced fissured silty CLAY. OWER MOTTLED BEDS)	-	- - - -	xx
- 25.00-25.45 -	11	U	54 blows 100% recovery					-	-	x
25.00 25.00	13	ES PID	0.0ppm					-	- - - -	X
	12	SPT	5,7/7,9,11,10 N=37					-	-	
26.00	13	В						- - - -	(4.45)	X

		Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	Conoral	Domarko
	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remarks
į	Dato	"""	Depth	Depth	(mm)	Depth			(1111.111111)	C. Darabala baalaillad wit	h Omana ahinada awayal
										bgl; sand filter from 3.5 bentonite seal/grouting bgl; 7.5m to 10.0m bgl compacted backfill (sa	7.5m bgl; 32.5m to 38.5m
										All dimensions in metres	Scale: 1:50
-	Method Used:				t d: D a	ando 200	0	Drilled By:	MW	Logged By: JBarron	Checked ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06.
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Contract:			_				Client:		Boreh	ole:	
		Pleas	ant Sortin			_		I Mail Group Limited			BH20
Contract Ref			Start:			Groun	d Level:	National Grid Co-ordinate:	Sheet		_
	285	49	End:	16.1			17.17	E:530946.8 N:182312		4	of 5
Samp	oles a		tu Tests	Water	Backfill & Instru-		D	escription of Strata	Reduced	Depth (Thick	Material Graphic
Depth	No	Туре	Results	>	Bac			·	Rec	ness)	Legend
- 27.00-27.45	12	U	63 blows 100% recovery			yellov (LAN	wish brown closely IBETH GROUP - I	high strength light grey mottled spaced fissured silty CLAYOWER MOTTLED BEDS) 4.45m from previous sheet)	dark -	-	X _ X - X _ X - X _ X - X _ X
28.00-28.45	13	SPT	4,4/7,7,9,9		***	<i>F</i>	At 28.0m bgl grey a	and slightly sandy.Sand is fine.	-	E	X
28.00	14	В	N=32						-11.73	28.90	XX
29.00-29.45	13	U	120 blows 100% recovery			yello	w fine sandy silty C	igh strength green mottled light brow CLAY. LOWER MOTTLED BEDS)		-	× · · × · · × · · · × · · · · · · · · ·
- 30.00 - 30.00 - 30.00 - 30.01-30.46	14 15 14	ES B PID SPT	0.0ppm 7,9/9,12,13,13 N=47							(2.10)	x - x - x - x - x - x - x - x - x - x -
31.00-31.45	14	U	81 blows 100% recovery			CLA'	Y. Sand is fine to se of black pebbles	mely high strength grey sandy gra medium. Gravel is rounded flat fir JPNOR FORMATION)	velly	(1.30)	
- - 32.00-32.11	15	SPT	25/50						-	-	•
32.00-32.45	16	В	for 50mm N=300*				dense grey silty fir ANET SAND FORI		-15.13	32.30	× × × × × × × × × × × × × × × × × × ×
33.00-33.03	16	SPT(c)	25/50 for 24mm N=625*							-	× × × × × × ×
33.00-33.45	17	В							-	-	× · · · × · · · · · · · · · · · · · · ·
34.00-34.04	17	SPT(c)	25/50 for 22mm N=682*						-	-	× · · · × · · · · · · · · · · · · · · ·
34.00-34.45	18	В	14 002							- - - -	× × × × × × × × × × × × × × × × × × ×
- 35.00 - 35.00-35.02	15 18	ES SPT(c)	25/50 for 13mm N=1154*						-	(6.30)	×
35.00-35.45 - 35.00	19	B PID	0.0ppm						-	-	× · · · × · · × · · × · · · × · · · ×

	Boring Pr	ogress and	Water Ob	servations		Chisell	ing / Slow F	Progress	Conoral	Domorko
Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remarks
		Depth	Depth	(mm)	Depth				7. PID = Photo ionisation bulb 8. Groundwater strike not during drilling. 9. 400L water added to the Thanet Sand.	t observed by the driller ne borehole to drill the
									All dimensions in metres	Scale: 1:50
Method Used:		tion pit - ercussio		.i	ando 200		Drilled By:	MW	Logged By: JBarron	Checked ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:44 | JB2 |



Contract:							Client:				Boreho	le:	
		Pleas	ant Sorti					Royal	Mail Group L				BH20
Contract Ref	:		Star	t: 08.1	1.16	Groun	nd Level:		National Grid Co-	ordinate:	Sheet:		
	285	49	End	16.1			17.17		E:530946.8	3 N:182312.9		5	of 5
Samp	oles a	and In-sit	tu Tests	Water	Backfill & Instru-mentation			Des	cription of Strata		Reduced Level	Depth (Thick	Material Graphic
Depth	No	Туре	Results	>	Bac						Red	ness)	Legend
36.00-36.03	19	SPT(c)	25/50 for 16mm N=938*			Ĵ (THÆ	dense grey ANET SANE) FÖRM/	SAND. ATION) 30m from previous	sheet)	-	-	× × ×
36.00-36.45	20	В				, (0.74	iam copica i	70111 02.0	ioni nom providao	anco.y	-	- - - -	× · · · ×
_ - 37.00-37.03	20	SPT(c)	25/50 for 21mm			•					-	- - -	×
37.00-37.45	21	В	N=714*								-	-	× · · · ×
- - 38.00 - 38.00-38.18	16 21	ES SPT(c)	21,4/22,28 for 11mm		*****	•					-	-	× × × × × × × × × × × × × × × × × × ×
38.00-38.45 38.00	22	B PID	N=174* 0.0ppm			chall	k and flint.	-	_	coarse GRAVEL of	-21.43	38.60	
39.00-39.26	22	SPT(c)	19,6/22,24,4 for 13mm N=92*	1		(WH	IITE CHALK	SUBGR	OUP)		-	(1.40)	
39.00-39.45	23	В	11 02								-22.83	- 40 00	
-						Bore	ehole comple	ted at 40	.0m bgl.		-22.03	40.00 - -	
- - - -											- - -	- - -	
-											-	- - - -	
- - -												-	
- - - -											- - -	- - - -	
-											-	- - - -	
- - - -											- - -	- - - -	
											-	-	
- - -											-	- - - -	
- - -											-	-	

		Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	Conoral	Domor	dea	
	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration	General	Remai	KS	
l	Date	Time	Depth	Depth	(mm)	Depth	FIOIII	10	(hh:mm)				
										All dimensions in metres	Scale:	1:50	
	Method Inspection pit +				t			Drilled		Logged	Checked		
	Used: Cable percussion				d: Da	ando 200	00	Ву:	MW	By: JBarron	Ву:	21	AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrIVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06.
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							BURER	OL		.UG
Contract:						Client:		Boreho	ole:	
Mou	ınt	Pleas	ant Sortin	g Of	fice	Roya	Mail Group Limited			BH21
Contract Re	f:		Start:	25.1	1.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	02.1	2.16	16.92	E:530933.0 N:182269.3		1	of 5
Sam	ples a	and In-si	tu Tests	Water	Backfill & Instru-	D	- winding of Ohmolo	Reduced	Depth	Material Graphic
Depth	No	Туре	Results	×	Back Inst	De	scription of Strata	Redu	(Thick ness)	Legend
0.00-0.50	1	ES PID	J+V+T 0.0ppm			with a high cobble con Gravel is subrounded to	nish grey sandy fine to coarse GRAVEL tent. Sand is fine and coarse quartz. o angular fine to coarse brick concrete e. Cobbles are subangular brick and	16.22	0.70	
- - 1.00 - 1.00	2	ES PID	J+V+T 0.0ppm			MADE GROUND: Loos coarse SAND with a la coarse quartz. Gravel i brick concrete flint cerar	e greyish brown gravelly clayey fine to bw cobble content. Sand is fine and s subrounded to angular fine to coarse nics and slate. Cobbles are subangular		-	
- - 1.50-1.95 -	1	SPT(c)	1,1/1,2,1,1 N=5			brick and concrete.		-	-	
1.50-2.00 -1.50 -1.50 - 2.00 - 2.00 - 2.20 - 2.50-2.95	1 3 4 2 2	B ES PID ES PID D SPT(c)	J+V+T 0.0ppm J+V+T 0.0ppm 1/1,2,2,2					-	(3.40)	
2.50-3.00 2.50 2.50 3.00 3.00 3.20 3.50-3.95	3 5 6 4 3	B ES PID ES PID D SPT(c)	N=7 J+V+T 0.0ppm J+V+T 0.0ppm 1,1/1,2,2,1 N=6					-12.82	- - - - - - - - - - - - - - - - - - -	
3.50-4.00 3.50 3.50 4.00 4.00 4.10 -4.50-4.95	5 7 8 6 7	B ES PID ES PID D U	J+V+T 0.0ppm J+V+T 0.0ppm 54 blows			Firm high strength light spaced fissured silty CL (LONDON CLAY FORM		11.72	(1.10)	X X X X X X X X X X X X X X X X X X X
4.50 4.50 - 4.90 - 5.00 - 5.00 - 5.20 - 6.00-6.45	9 8 10 9 10	ES PID D ES PID D SPT B	100% recovery J+V+T 0.0ppm J+V+T 0.0ppm 2,3/4,4,4,4 N=16			Stiff high strength dark selenite crystals. (LONDON CLAY FORM	grey fissured silty CLAY. With possible			X X X X X X X X X X X X X X X X X X X
_ 6.00-6.50 - 6.00 - 6.00 -	11	ES PID	J+V+T 0.0ppm					- - -	- - - -	x x
7.00 7.00 7.00	12 12	D ES PID	J+V+T 0.0ppm					-	-	x x
7.50-7.95	13	U	65 blows 100% recovery					[[×x
-7.90 - 8.00 - 8.00	14 13	D ES PID	J+V+T 0.0ppm					-	-	X X X X X X X X X X X X X X X X X X X

		Boring Pro	ogress and	Water	Observations		Chisel	ing / Slow F	Progress	Conorol	Domarko
, - C	Date	Time	Borehole	Casin	Diameter	Water	From	То	Duration (hh:mm)	General	Remarks
3			Depth	Depth	n (mm)	Depth			(,	1. Hand dug inspection p	it to 1.20m hal
٥	25/11/16	12:10	3.00	3.00	250						es adopted. Bentonite seal
2	29/11/16	17:30	10.00	4.50	250					created before reduction	
2	30/11/16	11:30	15.00	15.00	200	15.00					wing diameters: 4.5m bgl
2	30/11/16	18:00	20.00	20.00	200						n 200mm; 40.0m bgl in 👅
ź	01/12/16	17:30	28.50	28.50	200						n bgl in 250mm; 34.0m bgl
	02/12/16	17:30	40.00	34.00	150					in 200mm diameter.	
5										All dimensions in metres	Scale: 1:50
<u>i</u>	Method	inopoduon pit			ant sed: n a			Drilled		Logged	Checked ST ACC
2	Used:	Cable p	ercussic	on $ \cdot $	seu. Da	ando 300	00	Ву:	MC	By: JBarron	By: AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrIVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:44 | JB2 |



							BOKLII			.00
Contract:						Client:		Boreho		
		Pleas	ant Sortin				Mail Group Limited			BH21
Contract Re			Start:			Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:			16.92	E:530933.0 N:182269.3		2	of 5
Sam	oles a	nd In-si	tu Tests	Water	Backfill & Instru-mentation	Dee	animations of Churche	nced vel	Depth (Thick	Material Graphic
Depth	No	Туре	Results	Š	Back Inst	Des	cription of Strata	Reduced	ness)	Legend
- 9.00 - 9.00-9.45	14 15	ES SPT	J+V+T 1,3/3,4,4,5 N=16			selenite crystals.	rey fissured silty CLAY. With possible	-	-	× ×
9.00-9.50 9.00	16	B PID	0.0ppm			(LONDON CLAY FORM) (stratum copied from 5.20	ATION) Om from previous sheet)			
_ - 10.00 _ 10.00	15 17	ES D	J+V+T						(9.80)	x - x
10.00	18	PID U	0.0ppm 71 blows						-	xx
_ _10.90 -	19	D	100% recovery	1				-	- - - - -	xx
-										xx
- 12.00-12.45	20	SPT	2,3/4,5,6,5 N=20					-	-	x
12.00-12.50	21	В						- - - - -	-	x _ x - x _ x - x _ x
- - 13.00 - 13.00 - 13.00	16 22	ES D PID	J+V+T 0.0ppm					-	- - - -	xx
- 13.50-13.95 - 13.50-13.95	23	U	69 blows 100% recovery					-	= = - =	xx
_ -13.90	24	D	-			•				x x
- - - - -				1		o o o o		- - - -	- - - -	
- - 15.00-15.45	4	SPT(c)	2,4/4,5,5,6	<u> </u>		Recovery of grey sligh	itly silty sandy sub-angular and to	1.92	15.00	× .⊘ . ⊗ ×
15.00 15.00-15.50	25 26	D B	N=20			sub-rounded fine to coars	se GRAVEL of laminated slightly shelly ent rounded medium to coarse black	- - - -	(1.50)	
- - 16.00 - 16.00 - 16.00	17 27	ES D PID	J+V+T 0.0ppm					0.42	16.50	
- 16.50-16.95 - 16.50	5 28	SPT(c)	2,3/3,4,5,4 N=16			Stiff to very stiff high high high high high high high h	rery high strength light brown and light dissured slightly sandy silty CLAY.		-	X
-16.50-17.00	29	В				(LAWBETH GROUP - UP	PPER MOTTLED BEDS)	_ - - -	-	- x - x - x - x
17.50	30	D				•		-	- - - -	xx

	Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	Conoral	Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)	4. Monitoring well installa	
									14m to 18m bgl. 5. Borehole backfilled wit filter between 1.0m to 4 18.0m bgl; sand filter fi	m HDPE response zone h 3mm shingle gravel 4.5m bgl & 14.0m to rom 0.8m to 1.0m bgl and
Method Used:					ando 300	00	Drilled By:	MC	All dimensions in metres Logged By: JBarron	Scale: 1:50 Checked ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:44 | JB2 |



							BOKLII			.00
Contract:						Client:		Boreho	le:	
Mou	ınt l	Pleas	ant Sortin	g Of	fice	Royal	Mail Group Limited			BH21
Contract Ref	:		Start:	25.11	1.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	02.12	2.16	16.92	E:530933.0 N:182269.3		3	of 5
Samr	oles a	nd In-sit	tu Tests	er	∞ ' 'ē			bed	Depth	Material
Depth	No	Туре	Results	Water	Backfill & Instru-mentation	Des	scription of Strata	Reduced Level	(Thick	Graphic Legend
- 18.00-18.45	31	U	63 blows	+	<u>а</u> Е		very high strength light brown and light	<u>~</u>	ness)	× · · ×
18.00-18.50	32	B	00 510110			bluish grey closely space	d fissured slightly sandy silty CLAY.	-	-	
-						(LAMBETH GROUP - UI (stratum copied from 16.	50m from previous sheet)			<u> </u>
-							,		-	× × ×
19.00	18	ES	J+V+T					-	_	××
19.00 19.00	33	D PID	0.0ppm					Ė		xx
19.50-19.95	34	SPT	3,4/5,5,6,7					-	- - ,	xx
19.50-20.00	35	В	N=23						(6.60)	××
20.00	19	ES	J+V+T						-	× ×
20.00		PID	0.0ppm					-	-	
20.50	36	D							-	× - ×
-								-	-	××
21.00-21.45	37 38	U B	52 blows							<u>xx</u>
21.00-21.50	30	D						-	-	××
									-	×:×
-21.90	39	D								
-								-	-	×
- 22.50-22.95	40	SPT	4,5/7,8,8,10 N=33					-	-	× × ×
22.50-23.00	41	В						-6.18	23.10	<u>xx</u>
23.10	42	D				Stiff to very stiff dark gre	y to black laminated slightly sandy silty	-		××
-						CLAY with occasional ligr (LAMBETH GROUP - LA	nitic laminations. AMINATED BEDS)	-	(0.90)	xx
									-	X
- - 24.00	43	D				Very stiff very high streng	ath light bluish grey mottled light pinkish	-7.08	24.00	<u> </u>
24.00-24.45	44	Ü	66 blows 100% recovery			red fissured silty CLAY.		-	-	× ×
24.40	45	D	100 /0 1600 very			(LAMBETH GROUP - LC	OWER MOTTLED BEDS)			
-								-	_	X
_ - 25.00	20	ES	J+V+T					-	-	X
25.00		PID	0.0ppm						(3.00)	× ×
25.50-25.95	44	SPT	6,7/8,8,11,12					-	(3.00)	<u>xx</u>
25.50-26.00	47	D	N=39					[-	×
-								-	-	
-								-	-	
									-	
								-10.08	27.00	<u> </u>

		Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	Conoral	Domarko
	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remarks
5	Date	1	Depth	Depth	(mm)	Depth			(1111.111111)	12 Fro to 14 Oro bal 9	hantanita apal/araytina
		33961								between 0.2m and 0.8	ver.
										All dimensions in metres	Scale: 1:50
-	Method Used:		tion pit - ercussio		.i	ando 300	0	Drilled By:	MC	Logged By: JBarron	Checked ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:44 | JB2 |



							BUKEH	OL		.00
Contract:						Client:		Boreho	le:	
Mou	ınt l	Pleas	ant Sortin				Mail Group Limited			BH21
Contract Ref			Start:	25.11	.16		National Grid Co-ordinate:	Sheet:		
	285	49	End:	02.12	2.16	16.92	E:530933.0 N:182269.3		4	of 5
Samp	oles a	nd In-si	tu Tests	Water	ru- ∝ ation			le/	Depth	Material Graphic
Depth	No	Туре	Results	N N	Backfill & Instru-mentation	Des	scription of Strata	Reduced	(Thick ness)	Legend
- 27.00-27.45 - 27.00-27.50 - 27.00 - 27.50	48 49 50 51	U B D	59 blows			Very dense light orangi SAND.	sh brown silty fine to medium quartz LOWER MOTTLED BEDS - SAND	_	(1.50)	× × × × × × × × × × × ×
28.50-28.95 28.50-29.00	52 53	SPT B	4,7/9,10,10,11 N=40			dark purple slightly sandy	gh strength light greyish green mottled silty CLAY. Sand is fine to medium.	-11.58	28.50	× · · · × · · · · · · · · · · · · · · ·
- - - 29.50	54	D						-	- - - - -	x x x x x x x x x x x x x x x x x x x
- 30.00 - 30.00-30.45 - 30.00-30.50 - 30.00	21 55 56	ES U B PID	J+V+T 60 blows 0.0ppm					-	- - - - - - -	x
31.00	57	D						-	(5.50)	× × - × - × - × - × - × - × -
31.50-31.95	58	SPT	6,7/9,11,13,13 N=46					-	-	× × ×
31.50-32.00	59	В	11-40					-	- - - - -	x x
- 32.50	60	D						-	- - -	× × ×
33.00-33.45	61	SPT	5,8/11,11,12,12	2				-	-	××
33.00-33.50	62	В	N=46					-	- - - -	xx
-	00	_			(XXXXX		OAND	-17.08	34.00	×
34.00	63	D				Very dense grey silty fine (THANET SAND FORM	SAND. ATION)	-	-	[***]
34.50-34.55	64	SPT	25/50 for 17mm						-	× × × × × × × × × × × × × × × × × × ×
-34.50-35.00 - 35.00 - 35.00	65 22	B ES PID	N=882* J+V+T 0.0ppm					-	- - - - - - -	× × × × × × × × × × × × × × × × × × ×

		Boring Pro	ogress and	Water Ob	servations		Chise	ling / Slow F	rogress	Conoral	Domarko
	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration	General	Remarks
į	Duto	11110	Depth	Depth	(mm)	Depth	1 10111		(hh:mm)	7 Croundwater etrike (m	adium flour) absorted by
										 Groundwater strike (medriller at 15.0m bgl risin mins. 300L water added to the Thanet Sand. 	ng to 11.3m bgl after 20
										All dimensions in metres	Scale: 1:50
!	Method Used:		tion pit -		i	ando 300	00	Drilled By:	МС	Logged By: JBarron	Checked ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:44 | JB2 |



Contract:								Client:					Boreho	le:	
		Pleas	ant So		_				Royal		up Limite				BH21
Contract Ref				Start:	25.1	1.16	Groun	d Level:			id Co-ordinate		Sheet:		
	285	49		End:	02.1	2.16		16.9	2	E:5309	933.0 N:18	82269.3		5	of 5
Samp	oles a	nd In-si	tu Tests		Water	Backfill & Instru-mentation			Day	amination of C	·		rced	Depth	Material Graphic
Depth	No	Туре	Resi	ults	×	Back Inst				scription of S	otrata		Reduced Level	(Thick ness)	Legend
36.00-36.50	66	SPT D	25/5 for 29 N=5	9mm			(THA	ANET SA	ey silty fine ND FORM. ed from 34.	SAND. ATION) 00m from pre	vious sheet)		-		× × × × × × × × × × × × × × ×
37.50-37.54	68 69	SPT D	25/5 for 11 N=13	1mm									- - - - - - -	- - - - - - - -	× × × × × × × × × × × × × × × × × × ×
- 38.50-38.58 -	70	SPT	25/5 for 55 N=2	5mm									-	- - - -	× × × × × ×
-38.50 - - - - - - -	71	D											-23 13	- - - - - - -40 05	× × × × × × × × × × × × × ×
40.00	23 72	ES SPT PID	J+V 25/4 for 33 N=44 0.0p	50 3mm 55*											

		Boring Pro	ogress and	Water Ob	servations		Chiselli	ing / Slow F	Progress	General	Domorl	40	
	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration	General	Reman	KS	
	Date	Tillic	Depth	Depth	(mm)	Depth	1 10111	10	(hh:mm)				
ĺ													
										All dimensions in metres	Scale:	1:50	
	Method	Inspec	tion pit -	+ Plan				Drilled		Logged	Checked		
	Used: Cable percussion			d: Da	ando 300	0	Ву:	MC	By: JBarron	By:	ST	AGS	

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 Pr\Version: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:44 | JB2 |



									L	OKEH			
Contract:						С	lient:				Boreho		
		Pleas	ant Sorting					Royal	Mail Group Li				BH22
Contract Ref						Ground I			National Grid Co-ord		Sheet:		_
	285	49	End:				11.89		E:531009.5	N:182200.0		1	of 4
Samı	oles a	nd In-sit	tu Tests	Water	Backfill & Instru-			Dec	cription of Strata		Reduced Level	Depth (Thick	Material Graphic
Depth	No	Туре	Results	>	Bac				•		Red	ness)	Legend
0.00-1.20	1	B ES	J+V+T			to coar	se SANI quartz. flint.	O with a let Gravel is	eddish brown clayey ow cobble content. s subrounded to sub are subangular bri	Sand is fine and cangular fine and	- - - - - -	- - - - - - -	
- 1.00 - 1.00	2	ES PID	J+V+T 0.2ppm								-	-	
1.20	2	D CDT(a)									-	-	
- 1.50-1.61 - -	1	SPT(c)	18,7/50 for 30mm N=500*									(3.70)	
-1.50-2.00 -1.50 -1.50 -2.00 -2.00 -2.20 -2.50-2.55	3 3 4 4 2	B PID ES ES PID D SPT(c)	0.2ppm J+V+T J+V+T 0.4ppm			o o o o o o					- - - - - -	-	
2.50-3.00 2.50 2.50 3.00 3.00 -3.20 3.30-3.50	5 5 6 6 7	B PID ES ES PID D B	for 19mm N=789* 0.1ppm J+V+T J+V+T 0.2ppm	*			lenite and		enish brown slightly	silty CLAY. With	8.19	3.70	
- 3.50-3.95 - 3.50 - 3.70 - 3.70-4.00 - 4.00	8 9 7	SPT(c) PID D B ES	7,9/3,4,4,4 N=15 0.2ppm J+V+T			0::(1)					- - - - - - - - - - - - - - - - - - -	5.00	x x
4.00 - 4.20 - 4.50	10 8	PID D ES	0.6ppm J+V+T					th dark gre Y FORMA	eyish brown fissured TION)	silty CLAY.	- - - -	- - - -	× _ × × _ ×
4.50-4.95	11	U PID	34 blows 100% recovery 0.1ppm								- - -	- - -	× - ×
-4.90 - 5.00 - 5.00 - 5.00	12 9 13	ES D PID	J+V+T 0.3ppm								- - -	- - -	
- 6.00 - 6.00-6.45	10 14	ES SPT	J+V+T 3,4/5,4,5,6 N=20								- - - -	-	× - ×
-6.00-6.50 6.00 7.00 7.00 7.00 7.50-7.95	15 11 16 17	B PID ES D PID U	0.2ppm J+V+T 0.1ppm 42 blows								- - - - - -	(4.00)	
7.50-8.00 - 8.00 - 8.00	18	B ES PID	J+V+T 0.0ppm								- - - - - - -	-	× × ×
					XXXX	1					2.89	9.00	x - x

		Boring Pro	ogress and	Water Ob	servations		Chisell	ing / Slow F	Progress	Conoral	Domarka
, - C	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remarks
5			Depth	Depth	(mm)	Depth			, ,	1. Hand dug inspection p	it to 1 20m bal
- ن	17/10/16	10:33	3.70	3.00	250	3.70	35.00	35.00	02:00		es adopted. Bentonite seal
2	17/10/16	17:30	6.00	6.00	250	Dry				created before reduction	
2	18/10/16	07:33	6.00	6.00	250	3.10				Borehole drilled in follo	
2	18/10/16	17:36	21.60	21.60	250	Dry				bgl in 250mm; 35.0m b	
į	19/10/16	07:37	21.60	21.60	250	5.40				9.0m bgl in 250mm; 34	1.0m bgl in 200mm
	19/10/16	17:00	27.00	27.00	250	Dry				diameter.	
	20/10/16	17:39	34.00	34.00	200	Dry					
:	21/10/16	16:41	35.00	35.00	200	Dry				All dimensions in metres	Scale: 1:50
ٔ زُ	Method			+ Plan	t			Drilled		Logged	Checked
;	Used: Cable percussion				d: Da	ando 300	00	Ву:	MC	By: JTownsend	By: AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hemel Hempstead, Herifordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:45 | JB2 |



							BOKEH	OL		.OG
Contract:						Client:		Boreho	ole:	
Mou	ınt l	Pleas	ant Sortin	g Of	fice	Royal	Mail Group Limited			BH22
Contract Ref	:		Start:	17.1	0.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	21.1	0.16	11.89	E:531009.5 N:182200.0		2	of 4
			tu Tests	Water	Backfill & Instru-mentation	Des	scription of Strata	Reduced	Depth (Thick	Material Graphic
Depth	No	Туре	Results	>	Bac		•	Rec	ness)	Legend
- 9.00 - 9.00	13 19	ES D	J+V+T			Stiff becoming very stiff grey silty CLAY.	with depth light brown mottled bluish	-	-	<u> </u>
9.00-9.50 9.00-9.45	20 21	B SPT	4,4/7,8,9,9			(LAMBETH GROUP - U	PPER MOTTLED BEDS)			x
9.00		PID	N=33 0.0ppm					-	-	xx
	14							-	-	xx
- 10.00 - 10.00	14 22	ES D	J+V+T							× ×
- 10.00 - 10.50-10.95	23	PID U	0.2ppm 96 blows					-	-	
- 10.50-10.95	23	U	100% recovery					-		
- -10.90	24	D						-	-	
								-		xx
-								-	-	xx
[-	x
- - 12.00-12.45	25	SPT	4,5/7,9,10,10						Ė	- × - ×
-			N=36					-	-	
12.00-12.50	26	В						-	(7.10)	<u> </u>
-									-	× ×
- - 13.00	15	ES	J+V+T					-	-	xx
13.00	27	D						-	-	xx
- 13.00 - 13.50-13.95	28	PID U	0.0ppm 99 blows					-		
13.50-14.00	29	В	oo blowe					-	-	
_								-	-	<u> </u>
-								-	-	x
- 14.50	30	D								xx
								-	-	xx
_ - 15.00-15.45	31	SPT	4,6/9,10,10,11						-	xx
- - 15.00-15.50	32	В	N=40					-	-	
- 15.50	33	D								
								-	-	
-15.90 16.00	34 16	D ES	J+V					-4.21	16.10	xx
16.00		PID	0.0ppm			Compact brownsandy cla (LAMBETH GROUP -	yey SIL1. LAMINATED BEDS - CHANNEL		Ė	$\begin{bmatrix} \hat{\times} & \hat{\times} & \hat{\times} \end{bmatrix}$
16.10 16.50-16.95	35 36	D SPT	3,9/11,10,10,12	2		SANDS)	.= 2 2.2 3. 0.1=		(0.90)	× × ×
- - 16.50	37	В	N=43					- 5 4 4	17.00	× _ × _ ×
17.00	38	D				Very stiff dark grey extre	mely closely spaced slightly silty CLAY.	-5.11	17.00	<u>×</u> ×
E						With occasional shell frac (LAMBETH GROUP - LA	ments and possible selenite crystals.	-	(0.80)	<u> </u>
-						(LAWIDE ITT GROUP - LA		-	ļ .	×
- - 17.80	39	D				Description on next shee	.t		17.80	<u> </u>
					*****	2 2001 paon on nox snee	•	-6.11	10.00	

	Boring Pr	ogress and	Water Ob			Chiselli	ng / Slow F	Progress	Conoral	Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	From To			
									0.8m to 1.0m bgl & bei	between 1.0 and h 3mm shingle gravel 4.0mbgl; sand filter from
									All dimensions in metres	Scale: 1:50
Method Used:		tion pit - ercussio		i .	ando 300		Drilled By:	МС	Logged By: JTownsend	Checked By:

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hemel Hempstead, Herifordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:45 | JB2 |



							BUREH			.00
Contract:						Client:		Boreho	le:	
Mou	nt l	Pleas	ant Sortir	ıg Of	fice	Royal	Mail Group Limited			BH22
Contract Ref:			Start:	17.1	0.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
2	285	49	End:	21.1	0.16	11.89	E:531009.5 N:182200.0		3	of 4
Samp	les a	nd In-si	tu Tests	ē	ĕ - ⊑			pec le	Depth	Material
Depth	No	Туре	Results	Water	Backfill & Instru-mentation		scription of Strata	Reduced	(Thick ness)	Graphic Legend
- 18.00 - 18.00-18.45	40 41	D SPT	7,7/11,12,12,1	2		Very stiff bluish grey extends of the stiff bluish grey extends of	remely closely spaced slightly gravelly ounded fine to medium calcrete. With		-	XX
18.00-18.50	42	В	N=47			rare glauconite.	- LOWER MOTTLED BEDS -			××
_ _ 19.00 _ 19.00	17 43	ES D	J+V			Stiff to very stiff very hig brown fissured slightly sa	h strength bluish grey mottled orangish ndy silty CLAY. DWER MOTTLED BEDS)] - - - -	- - - -	x x
- 19.50-19.95	44	U	110 blows 100% recovery	,					(3.60)	× · · · ×
- 19.90 - 20.00 - 20.00	45 18	D ES PID	J+V 0.0ppm					- - - - - - -		x x
21.00-21.45	46	SPT	6,8/10,11,11,1 N=44	2				-	-	× · · ×
21.00-21.50	47	В	11-44					-9.71	21.60	x _ x
21.60	48	D					andy silty slightly clayey fine to coarse		21.00	<u>6.0</u>
- 22.00	49	D				well rounded GRAVEL. S (LAMBETH GROUP - U		-	-	
- 22.00	45	D						-	(1.40)	
22.50-22.82	4	SPT(c)	4,5/16,26,8							0.0
22.80-23.00	50	LB	for 20mm					11 11	23.00	
23.00	51	D				sandy very gravelly CLA	h strength light orangish brown slightly. Y. Gravel is well rounded medium to	-	23.00	
-						coarse flint. (LAMBETH GROUP - U	PNOR FORMATION)	Ė		
-							,	ŧ	(1.90)	
24.00-24.27	5	SPT(c)	10,7/28,22					-		
24.00-24.50	52	LB	for 45mm					-	-	
-								-	-	
- -24.90	53	D				Stiff to very stiff very high	gh strength greenish brown very sandy		24.90	
25.00 25.00	19	ES PID	J+V 0.0ppm			slightly gravelly CLAY. Some rounded medium to coars	Sand is fine to coarse quartz. Gravel is se flint.		- - -	
25.50-25.95	54	U	150 blows 100% recovery	/		(LAMBETH GROUP - U	PNOR FORMATION)	-	(1.30)	
-									26.20	
- 26.20 - - -	55	D				GRAVEL. Sand is fine medium to coarse flint.	green slightly sandy medium to coarse to coarse quartz gravel is well rounded		- - -	p.0.0.0
-						(LAMBETH GROUP - U	PNOR FORMATION)		(1.60)	

	Boring Pr	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	Conoral	Domarka
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)	General I	
									(clay/sand) from 6.0m bgl to base of borehole cover. 6. PID = Photo ionisation bulb	pl with compacted backfill to 18.0m bgl and 21.6m and installation of flush detector with 10.6eV bserved by driller at 3.7m Scale: 1:50
Method Used:		tion pit - ercussio		i	ando 300	00	Drilled By:	MC	Logged By: JTownsend	Checked By: AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hemel Hempstead, Herifordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:45 | JB2 |



Contract:						Clien	t:		Boreho	ole:	
Mou	ınt	Pleas	ant Sorti	ng O	ffice		Royal	Mail Group Limited			BH22
Contract Ref	:		Star	: 17.1	0.16	Ground Leve	el:	National Grid Co-ordinate:	Sheet:		
	285	49	End	21.1	0.16	11	.89	E:531009.5 N:182200.0		4	of 4
Samp	oles a	ınd In-sit	tu Tests	Water	Backfill & Instru-mentation		Dos	arintian of Ctrata	Reduced	Depth (Thick	Material Graphic
Depth	No	Туре	Results	Š	Back Ins		Des	cription of Strata	Redi	ness)	Legend
27.00-27.26 27.00-27.50 27.80	6 56 57	SPT(c) LB D	10,13/25,25 for 39mm			GRAVEL. medium to (LAMBETH (stratum co Very dense	Sand is fine to coarse flint. If GROUP - UI ppied from 26.2	green slightly sandy medium to coarse to coarse quartz gravel is well rounded PNOR FORMATION) 20m from previous sheet) sitty fine SAND. ATION)) - - -	27.80	
28.50-28.71	58 59	SPT B	19,6/29,21 for 45mm						- - - - - - -	-	× × × × × × × × × × × × × × × × × × ×
29.50	60	D							- - - - - -	-	× × × × × ×
30.00-30.07	61	SPT	25/50 for 37mm			*			F	-	×
30.00-30.50	62	LB D							-	-	× × × × × × × × × × × × × × × × × × ×
						*				(7.20)	× · · · · · · · · · · · · · · · · · · ·
31.50-31.63	64	SPT	22,3/50 for 55mm						ŧ	E	×
32.50	65 66	LB D							- - - - - - -	-	* * * * * * * * * * * * * * * * * * *
33.00-33.05	67	SPT	25/50			*			-	-	×
			for 31mm						F	-	×
33.00-33.50	68	LB								-	×:··× ×:·
34.00	69	LB							-	- - - -	× · · · × · · · · · · · · · · · · · · ·
34.50-34.59	70	SPT	25/50 for 39mm			At 35.0) m bgl driller ir	ndicates very dense gravel bed (flints).	Ė	Ė	×
34.50-35.00	71	В	101 03111111						-23.11	35.00	×····
- - - -						Borehole to very dense	erminated at 35 gravel bed at	5.0m bgl. Driller indicated refusal due to depth.	-	- - - -	

		Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	Conoral	Domarka
-	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hb.mm)	General I	Remarks
3	Date	11110	Depth	Depth	(mm)	Depth	1 10111		(hh:mm)	hal with standing water	level observed at 3.1m
2										bgl.	level observed at 3. IIII
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2										8. 400L water added to the Thanet Sand.	ne borehole to drill the
, בורי											
į										All dimensions in metres	Scale: 1:50
_	Method Used:		tion pit - ercussic		.i	ando 300	0	Drilled By:	МС	Logged By: JTownsend	Checked By: AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hempstead, Herifordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:45 | JB2 |



							DUKEN	U L		.UG
Contract:						Client:		Boreho	ole:	
		Pleas	ant Sortin				Mail Group Limited			BH23
Contract Ref						Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	09.1		14.01	E:531043.8 N:182212.8		1	of 5
Samp	oles a	nd In-sit	tu Tests	Water	Backfill & Instru-mentation	Do	corintian of Ctrata	Reduced Level	Depth	Material Graphic
Depth	No	Туре	Results	Š	Back Inst	De	scription of Strata	Red	(Thick ness)	Legend
0.40 0.40 - 0.80 - 0.80	1 2	ES PID ES PID	T+J+V 0.0ppm T+J+V 0.0ppm			coarse SAND. Sand	k reddish brown silty gravelly fine to is fine and coarse quartz. Gravel is ar fine to coarse flint with frequent brick,	13.93	0.08/	
1.50-1.95 1.50 1.50 2.00 2.00 2.20 2.50-2.95 -2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	1 3 1 4 2 2 5 3 6	SPT(c) ES PID B ES PID D SPT(c) ES PID B ES	1,1/1,1,1 N=3 T+J+V 0.0ppm T+J+V 8.0ppm 1/1,1,1,1 N=4 T+J+V 0.0ppm						(4.12)	
3.00 3.20 3.50-3.95 3.50-4.00 3.50 3.50 4.00 4.00 4.20 -4.50-4.95	4 3 5 7 8 6 4	PID D SPT(c) B ES PID ES PID D SPT(c)	0.0ppm 1/,1,1,1 N=3 T+J+V 0.0ppm T+J+V 0.0ppm 1,1/2,1,2,1 N=6			🕽 slightly gravelly silty C	t light brown to black slightly sandy LAY. Sand is fine to coarse quartz. angular medium to coarse flint brick and odour.	9.81	4.20	
4.50-5.00 4.50 5.00 5.00 5.50 6.00-6.45 6.00 6.40	7 9 10 8 9 10 11	B ES PIS PID D D S PID D	T+J+V 0.0ppm T+J+V 0.0ppm 72 blows 100% recovery T+J+V 0.0ppm				ght orangish brown mottled bluish grey . With occasional relict roots. (ATION)	8.51	(1.50)	X
7.00 7.00 7.01 7.50-7.95	12 12 13	ES PID D SPT B	T+J+V 0.0ppm 2,3/3,4,4,4 N=15				ength brownish grey extremely closely AY. With rare Relict roots and possible ATION)		-	X X X X X X X X X X X X X X X X X X X
8.00 8.00 8.50	13 15	ES PID D	T+J+V 0.0ppm					- - - - - -	(3.50)	X X

e⊒														
<u>e</u>		Boring Pro	ogress and	Wate	er Obse	ervations		Chisell	ing / Slow F	rogress	Conoral	Domorko		
, Hemel	Date	Time	Borehole	Cas		Borehole Diameter	Water	From	То	Duration	General	Remarks		
oad	Dute	1	Depth	Dep	pth	(mm)	Depth	1 10111		(hh:mm)	1 Hand due inapportion n	sit to 1 20m hal		
e P	02/11/16	18:00	12.00	12.	00	250	Dry				Hand dug inspection p Clean drilling technology	es adopted. Bentonite seal		
Ē	03/11/16	08:10	12.00	12.	00	250	Dry				created before reduction in casing size.			
<u>10</u>	03/11/16	18:00	17.00	17.	00	250	Dry				3. Borehole drilled in follo			
8	07/11/16	07:30	17.00	17.	00	250	Dry					ogl in 200mm; 40m bgl in		
ģ	07/11/16	17:45	24.00	24.	00	200	Dry				150mm diameter casir	ng to 9.0m bgl in 250mm;		
<u> </u>	08/11/16	18:00	33.00	33.	00	150	150 Dry				27.0m bgl in 200mm a	ind 33.0m bgl in 150mm		
Ě	09/11/16	9/11/16 17:45 40.00 33.00 150			150	Dry					_			
<u> </u>											All dimensions in metres	Scale: 1:50		
Ī	Method	inoposition pit					Drilled			Logged	Checked			
Š	111				ndo 300	0	By:	MC	By: JBarron	By: SI ACS				

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hemel Hempstead, Herifordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:45 | JB2 |



Contract									BUKEH	OL		.UG
Start Sta	(Contract:						Client:		Boreho	le:	
Sample		Mou	ınt l	Pleas	ant Sortin	g Of	fice	Royal	<u> </u>			BH23
Samples	(Contract Ref	:		Start:	02.1	1.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
9.00	L		285	49	End:	09.1			E:531043.8 N:182212.8		2	of 5
9.00		Samp	oles a	nd In-si	tu Tests	ater	fill & ru-			le/	Depth	
9.00		Depth	No	Туре	Results	×	Back Inst	Des	scription of Strata	Redu		
9.00 9.40 17 PID 0.0ppm								Firm to stiff medium stre	ength brownish grey extremely closely With rare Relict roots and possible	-	-	X
9.40 17 D	F			PID	100% recovery	'		selenite crystals.	·	-	-	xx
10.00			17					(stratum copied from 7.00	Om from previous sheet)	-		× ×
10.50-10.95	Ė	10.00	15	ES	T+J+V						-	× ×
10.50-10.95 18 SPT	Ė	10.00		PID	0.0ppm					2 51	10.50	xx
10.50 10.50 10.50 10.50 11.50 20 B	Ė	10.50-10.95	18	SPT						5.51	10.50	XX
11.50					N=20			bluish grey fissured silty ((LAMBETH GROUP - UI	CLAY. PPER MOTTLED BEDS)	-	-	xx
12.00-12.45	F	10.50-11.00	20	В						F	-	× ×
12.00-12.45	Ē	=0		_							-	× ×
12.40 23 D 100% recovery	-	11.50	21	D							-	× ×
12.40 23 D 100% recovery	Ė	12 00-12 45	22	U	58 blows					-	-	
13.00 16 ES T+J+V 0.0ppm 13.50-13.95 24 SPT 2.3/4,5.6,6 N=21 14.50 26 D (6.60)	-	12.00 12.10		Ü		,				-	-	
13.00 PID 0.0ppm	E	12.40	23	D						-	-	
13.00 PID 0.0ppm	Ė										-	
13.50-13.95			16							-	-	××
14.50	-	13.00		PID	о.оррті					-	-	
14.50	F	13.50-13.95	24	SPT						-	(6.60)	×x
15.00-15.45	Ē	13.50-14.00	25	В						-	_	xx
15.00-15.45	Ė										-	xx
15.00-15.45	Ė	14 50	26	D						-	-	× ×
15.40	F	11.00		J						-	-	xx
15.40	F	15.00-15.45	27	U						-	-	xx
16.00	F	15.10	00		100% recovery	'				-	-	× ×
16.00 PID 0.0ppm 16.50-16.95 29 SPT 3,5/6,6,7,7 N=26 16.50-17.00 30 B 17.10 String dense light greenish brown slightly clayey silty fine SAND. (LAMBETH GROUP - LOWER MOTTLED BEDS - SAND	Ė	15.40	28	D						-	-	× _ ×
16.00 PID 0.0ppm 16.50-16.95 29 SPT 3,5/6,6,7,7 N=26 16.50-17.00 30 B 17.10 String dense light greenish brown slightly clayey silty fine SAND. (LAMBETH GROUP - LOWER MOTTLED BEDS - SAND	Ė									Ė	-	
16.50-17.00 30 B N=26 17.10 31 D Medium dense light greenish brown slightly clayey silty fine SAND. (LAMBETH GROUP - LOWER MOTTLED BEDS - SAND			17							-	- -	
16.50-17.00 30 B N=26 17.10 31 D Medium dense light greenish brown slightly clayey silty fine SAND. (LAMBETH GROUP - LOWER MOTTLED BEDS - SAND	E		20	QDT						-	-	×
- 17.10 31 D Medium dense light greenish brown slightly clayey silty fine SAND. (LAMBETH GROUP - LOWER MOTTLED BEDS - SAND - SA	ŀ				N=26					-	-	
SAND. (LAMBETH GROUP - LOWER MOTTLED BEDS - SAND	E							Mark		-3.09	17.10	<u></u>
	Ė	17.10	31	D				SAND.		Ė	-	[***]
	E								LOWER MOTTLED BEDS - SAND	-	-	× · · · · ×
	F									-	-	×:×

	Boring Pro	ogress and	Water Ob	servations		Chisel	ling / Slow F	Progress	Conoral	Remarks
Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remarks
		Depth	<u>Depth</u>	(mm)	Depth				bgl. Pipe 2 - 33mm HD	between 3.0 and 6.0m DPE with 19mm piezo eter tip installed at 24.8m
Method Used:		tion pit -		.i	ando 300	00	Drilled By:	МС	Logged By: JBarron	Checked ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:45 | JB2 |



			_				DUKER	UL	C L	.UG
Contract:						Client:		Boreho	le:	
Mou	ınt	Pleas	ant Sorting	g Of	fice	Royal	Mail Group Limited			BH23
Contract Ref	:		Start:	02.1	1.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	09.1	1.16	14.01	E:531043.8 N:182212.8		3	of 5
Samp	oles a	and In-si	tu Tests	Water	fill & ru- ation			Reduced	Depth	Material Graphic
Depth	No	Туре	Results	8	Backfill & Instru-	De	scription of Strata	Redu	(Thick ness)	Legend
18.00-18.45	32	SPT	3,4/4,5,4,5 N=18			Medium dense light gre SAND.	eenish brown slightly clayey silty fine	-	(2.40)	× · · · · ×
18.00-18.50	33	В	11 10			(LAMBETH GROUP -	LOWER MOTTLED BEDS - SAND	Ė	(2.10)	×···×
- - -						CHANNEL) (stratum copied from 17.	10m from previous sheet)		-	×···×
- - 19.00	18	ES	T+J+V					-	-	×
19.00 - 19.00		PID PID	0.0ppm 0.0ppm					F 40	40.50	×
- - 19.50	34	D				Very stiff very high st	rength light greyish brown extremely	5.49 -	19.50	××
19.50-19.95 -	35	U	100 blows 100% recovery			closely spaced fissured to medium Quartz. With	slightly sandy silty CLAY. Sand is fine noccasional shell fragments lignite and	-	-	<u>x-</u> -x
-19.90 - 20.00	36 19	D ES	T+J+V			weak organic odour. (LAMBETH GROUP - L			-	× × ×
20.00		PID	0.0ppm			(L'	Will Will Block	-		× · · · ×
- 20.50-20.95	37	SPT	4,5/6,7,8,8 N=29					-	-	
_ 20.50-21.00 	38	В						E	(2.90)	<u> </u>
- -								-	-	- ××
- 21.50	39	D						F	[
= - -								F	-	
22.00-22.45	40	U	150 blows 100% recovery					F	-	× - ×
- - 22.40	41	D	100 /0 1000 /01			Stiff to very stiff bluish	grey mottled reddish brown sandy very	-8.39	22.40	× ×
-						gravelly CLAY. Gravel is (LAMBETH GROUP - U	s well rounded fine to coarse flint.	E	-	
- - 23.00	42	D				(LAWIDETTI ORCOT - O	THORT ORWINION)	-	(1.10)	• • • •
-	72							-	-	
- 23.50-23.75	5	SPT(c)	8,14/27,23			Very dense light brown	to black slightly sandy fine to coarse	-9.49	23.50	0.0.0
-		_	for 25mm N=150*			GRAVEL. Sand is me rounded fine to coarse fli	dium to coarse quartz. Gravel is well nt.	F	-	0.00
-23.50-24.00 -	43	В				(LAMBETH GROUP - U	PNOR FORMATION)	F	-	
-		_				•		Ė	(2.00)	0.0.0
- 24.50 -	44	D						Ė	-	0.00
- - 25.00-25.20	6	SPT(c)	22,3/41,9			•		-	-	
-		(0)	for 36mm N=135*					- 11 10	25 50	5.00
25.00 25.00-25.50	20 45	ES B	T+J+V				ish brown slightly sandy gravelly CLAY.	-11.49	25.50	<u></u>
- 25.00 - 25.50	46	PID D	0.0ppm			subangular fine and coar		-	4 00:	
26.00-26.10	7	SPT(c)	25/38,12 for 10mm			(LAMBETH GROUP - U		-	(1.20)	
- 26.00-26.50	47	В	N=176*					-	-	0
- 26.70	48	D				Description on next shee	et	-12.69	26.70	
F				1		2227,2227, 077, 0770		+	ŀ	<u> </u> -

	Boring Pr	ogress and	Water O	bservations		Chise	lling / Slow F	Progress	General I	Domarko
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	То	Duration (hh:mm)		
				(mmy					2.5m to 3.0m bgl and 2 bentonite seal/grouting bgl; 6.0m to 8.0m bgl; 2 25.5m to 27.5m bgl wit (clay/sand) from 8.0m	between 0.2m and 2.5m 22.0m to 24.0m bgl and
									All dimensions in metres	Scale: 1:50
Method Used:		tion pit +		ــــــــــــــــــــــــــــــــــــــ	ando 300	0	Drilled By:	МС	Logged By: JBarron	Checked ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hemel Hempstead, Herifordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:45 | JB2 |



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Contract:	4 •	DI	C :	4!	Oʻ	£:		Client:	Davisi	Ma:I O !	iit a al	Boreho		DLICO
		rieas	ant Sc				Groun		Koyal	Mail Group L National Grid Co-o		Sheet:		BH23
Contract Ref		40		Start:			Ground	d Level:				Sneet:	A	, F
	285			End:				14.01		E:531043.8	3 N:182212.8			of 5
Samp	oles a		tu Tests		Water	Backfill & Instru-mentation			Desi	cription of Strata		Reduced Level	Depth (Thick	Material Graphic
Depth	No	Type	Resi	ults	>	Bac Ins				Red	ness)	Legend		
27.00	50	U	66 blo 100% re				slight to me (LAM	dense dan day silty clay dium flint. dBETH GR dum copied		(2.30)				
- - 28.50	51	D					Beco	mming less	s sandy			-14.99	- 20 00	
- 29.00-29.11	52	SPT	25/5 for 70 N=2)mm			medii	um quartz.	•	_	D. Sand is fine to	- 14.88	29.00 - -	× · · · ×
29.00 29.00-29.50	53 54	D B	N-2	14			(THA	NET SAN	D FORMA	(HON)		- - - -	- - -	× · · · · · · · · · · · · · · · · · · ·
- 30.00 - 30.00 - 30.00	21 55	ES D PID	T+J-									- - -	_ - - -	× × × × × × × × × × × × × × × × × × ×
30.50-30.58	56	SPT	25/5 for 44 N=34	50 Imm								-	- - -	×
30.50-31.00	57	В	N=32	41"								- - - - -	- - - - -	× × × × × × × × × × × × × × × × × × ×
- 31.50 - - -	58	D										-	- - -	××
32.00-32.09	59	SPT	25/5 for 60 N=25)mm								-	-	×
32.00-32.50	60	В										-	- - - -	× × × × ×
33.00	61	D											(8.50)	```.×. `` * · · ×
33.50-33.56	62	SPT	25/5 for 45 N=33	īmm								-	- - -	× ×
33.50-34.50	63	В	11-33											× × ×
- 34.50	64	D											- - - -	× · · · × · · · · · · · · · · · · · · ·
- 35.00 - 35.00-35.07	22 65	ES SPT	T+J- 25/5 for 39 N=38	50 9mm								- - - -	× × × × × × × × × × × × × × × × × × ×	
35.00-35.50 - 35.00	66	B PID	0.0pp								-	-	× · · · × · · × · · ×	

2		Boring Pr	ogress and	Water Ob	servations		Chisell	ing / Slow F	Progress	Conoral	Domarko
	Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hh:mm)	General	Remarks
			Depth	Depth	(mm)	Depth				cover. 6. PID = Photo ionisation bulb 7. No groundwater obser drilling. 8. 300L water added to the Thanet Sand.	ved by the driller during
										All dimensions in metres	Scale: 1:50
	Method Used:		tion pit -		i	ando 300		Drilled By:	MC	Logged By: JBarron	Checked ST AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Logs - 002 | Log CABLE PERCUSSION LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06. RSK Environment.Ltd, 18 Frogmore Road, Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk. | 02/06/17 - 14:45 | JB2 |



								DUKEN			
Contract:						_	Client:		Boreho		
		Pleas	ant So					Mail Group Limited			BH23
Contract Ref		40					Ground Level:	National Grid Co-ordinate:	Sheet:	_	
	285			End:	09.1		14.01	E:531043.8 N:182212.8	70	5	of 5
	oles a	and In-si			Water	Backfill & Instru- mentation	Des	scription of Strata	Reduced	Depth (Thick	Material Graphic
Depth	No	Туре	Resi	ults	\$	Bac		•	Rec	ness)	Legend
36.50-36.57 -36.50-37.00	67 68 69	D SPT B	25/5 for 31 N=48	mm			medium quartz. (THANET SAND FORM. (stratum copied from 29.)	h brown silty SAND. Sand is fine to ATION) 00m from previous sheet) ding into silty gravelly CLAY.	- - - - - - - - - -	-	× × × × × × × × × × × × × × × × × × ×
37.50	70	D					Recovery of dark greeni medium GRAVEL. San subrounded to angular flii	-23.49	37.50		
38.00-38.08	8 71	SPT(c)	25/5 for 50 N=30)mm			(WHITE CHALK ŠUBGF		-	-	
39.00	72	D							- - - -	(2.75)	
39.50-39.54	9	SPT(c)	25/5 for 22						-	- - - -	
-39.50-40.00 40.00-40.03	73 10	B SPT(c)	N=68 25/5 for 25	32* 50			Borehole completed at 40	1 Om bal	-26.24	40.25	
40.00	23	PID ES	N=6(0.0p T+J-	pm			Boreriole completed at 40	.om bgi.	- - - - - - -	- - - - - - -	
_									-	-	
									-	- - - -	
-									-	- - - - -	
									-	-	
									-		
									E	<u> </u>	

	Boring Pro	ogress and	Water Ob	servations		Chisell	ing / Slow F	Progress	Conoral	Domor	ko	
Date	Time	Borehole	Casing	Borehole Diameter	Water	From	То	Duration (hhumm)	General	Reman	KS	
Date	1	Depth	Depth	(mm)	Depth			(hh:mm)				
									All dimensions in metres	Scale:	1:50	
Method					Drilled		Logged	Checked	**************************************			
Used:				ando 300	0	By:	MC	By: JBarron	Ву:	ST	AGS	

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Contract:						Client:			Window	w Sampl	e:
	t Pleasa	nt S		g Office				Mail Group Limited			WS13
Contract Ref:			Start:	04.10.16	Ground			National Grid Co-ordinate:	Sheet:		
28	3549			04.10.16		16.	97	E:530939.8 N:182262.0		1	of 1
Progress Window Run	Depth	Sam	oles / Type		Water	Backfill		Description of Strata	Reduced Level	Depth (Thick ness)	Materia Graphic Legenc
	- 0.15 - 0.15	ES1	ES PID	0.1ppm			fine to me subrounde	ROUND: Light brown very silty gravelly dium SAND. Gravel is fine to medium d to angular flint with occasional whole crete glass metal and ceramics.	<u> </u>	(1.00)	
	0.50 0.50	ES2	ES PID	0.1ppm					-	[(1.00)	
-	1.00 1.00	ES3	ES PID	0.1ppm			slightly g occasiona	ROUND: Soft to firm light brown sandy ravelly CLAY with rare roots and pockets of SAND. Gravel is fine to	15.97	1.00	
	1.40	ES4	ES PID	0.1ppm				prounded to angular flint with occasional rete mortar and coal.	- - -	(1.60)	
	2.00 2.00	ES5	ES PID	0.1ppm					- - - -	-	
	2.60 2.60	ES6	ES PID	0.1ppm			silty sand medium to	ROUND: Dark brown to black slightly y slightly gravelly CLAY. Gravel is coarse subrounded flint with brick	14.37	2.60	
	3.00 3.00 3.20	ES7 ES8	ES PID ES	0.1ppm			to coarse S	own slightly clayey slightly gravelly fine SAND. Gravel is fine subangular flint.	13.87		
	3.20		PID	0.1ppm			Bluish gre	Y GRAVEL) y with orange brown mottling extremely aced thinly laminated slightly silty CLAY. CLAY FORMATION)	13.57	3.40	X
-	3.80 3.80	ES9	ES PID	0.1ppm			Terminate	d at 4.00m.	12.97	4.00	×
	- - -								-	- - -	
	- - -								- - -	- - -	
	-								-	- - -	

	Drilling Pro	ogress and	Water Ob	servations		
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	
						.
1	I	I		I	I	11

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General Remarks

1. Inspection pit hand dug to 1.2m depth.

Checks for buried ferrous objects carried out during excavation by specialist unexploded ordnance (UXO) officer using magnetometer.

3. No groundwater encountered.

No groundwater chooding complete with flush protective cover installed on completion. Response zone 1.0m to 3.0m.

Method Used: Tracked window sampling Plant Used: Archway Competitor Plant Used: All dimensions in metres Scale: 1:31

| Checked By: | Something | Something | Checked By: | Checked By:





Contract:						1	Client:			Windov	v Sampl	e:
Moun	t Pleasaı	nt S	ortin	g Office				Royal	Mail Group Limited		,	WS14
Contract Ref:			Start:	04.10.16	Gr	ound	Level:		National Grid Co-ordinate:	Sheet:		
28	3549		End:	04.10.16			16.2	28	E:530967.2 N:182262.9		1	of 1
Progress		Sam	ples / T	ests		Water	Backfill		Description of Strata	Reduced	Depth (Thick	Material Graphic
Window Run	Depth	No	Туре	Results		Wa	Ba		•	Red	ness)	Legend
	0.20	ES1	ES PID	0.1ppm				gravelly fin coarse sub brick fragn	OUND: Light orange brown slightly silty e to coarse SAND. Gravel is fine to angular to rounded flint with occasional nents concrete slate metal and with bricks and cobbles or igneous rock	-	(0.60)	
	0.50 0.50	ES2	ES PID	0.1ppm				aggregate. MADE GR	OUND: Light brown slightly silty sandy velly CLAY. Gravel is fine to medium	15.68	0.60	
- - -	1.00	ES3	ES PID	0.1ppm				subrounded	If flint with occasional brick fragments ell fragments and slate.	- - - - -	- - - -	
	1.50 1.50	ES4	ES PID	0.1ppm						- - -	(1.80)	
- - -	2.00	ES5	ES PID	0.1ppm						13.88	2.40	
-	2.70 2.70	ES6	ES PID	0.1ppm				silty sandy	OUND: Dark brown to black slightly slightly gravelly CLAY. Gravel is fine flint with occasional brick concrete and	-	-	
	3.20 3.20	ES7	ES PID	0.1ppm						- - - -	-(2.30)	
-	3.80 3.80	ES8	ES PID	0.1ppm						- - -	- - - -	
	4.30 4.30	ES9	ES PID	0.1ppm							- - -	
	4.70 4.70	ES10	ES PID	0.1ppm				sandy sligh	OUND: Light brown slightly silty slightly ttly gravelly CLAY. Gravel is fine to angular flint with occasional brick and	11.58	5.00	

	Drilling Pro	ogress and	l Water Ob	servations		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter	Water Depth	
		(m)	(m)	(mm)	(m)	Ш
						Ш,
						1
						Ш
						-
						П

General Remarks

Inspection pit hand dug to 1.2m depth.
 Checks for buried ferrous objects carried out during excavation by specialist unexploded ordnance (UXO) officer using magnetometer.

3. No groundwater encountered.

4. On completion, borehole backfilled with arisings.

All dimensions in metres 1:31 Scale: Method **Tracked window** Plant Drilled Checked Logged Used: Archway Competitor JTownsend By: sampling ???



Used:



Contract:						(Client:			Windo	w Sampl	
	t Pleasar	nt S							Mail Group Limited		1	WS15
Contract Ref:				03.10.16	Gr	ound			National Grid Co-ordinate:	Sheet:		
	3549			03.10.16			14.		E:531027.5 N:182228.4		1	of 1
Progress Window Run	Depth	Sam	oles / Type			Water	Backfill & Instru-mentation		Description of Strata	Reduced Level	Depth (Thick ness)	Material Graphic Legend
- - -	0.20	ES1	ES PID	0.1ppm				MADE GRO coarse SAN is fine to co	OUND: Light brown silty gravelly fine to ND with frequent whole bricks. Gravel coarse subrounded to subangular flint onal brick fragments and concrete.	-	-	
- - - -	0.50	ES2	ES PID	0.1ppm						- - -	(1.20)	
- - - -	1.20	ES3	ES PID	0.1ppm				silty slightly frequent wo	COUND: Dark brown to black slightly gravelly fine to medium SAND with bod fibers and paper. Gravel is fine to	12.96	1.20	
- - - -	1.60 1.60	ES4	ES PID	0.1ppm					subangular to rounded flint with brick concrete and ash.	- - -	(1.20)	
- - -	2.00 2.00	ES5	ES PID	0.1ppm				o o o o o o o o o o o o o o o o o o o		11.76	2.40	
- - - -	2.50 2.50 2.50	ES6	ES PID	0.1ppm				slightly san subrounded concrete an		11.46		
- - -	3.00	ES7	ES PID	0.1ppm				sandy slig fragments.	COUND: Dark brown to black slightly htly gravelly CLAY with rare brick Gravel is fine to coarse subangular to nt with occasional brick concrete and	- - - -	- - (0.90)	
- - - -	3.50 3.50	ES8	ES PID	0.1ppm				sandy slig	COUND: Dark brown to black slightly htly gravelly SILT. Gravel is fine flint with rare brick fragment.	10.56	3.60	
- - -	4.00 4.00	ES9	ES PID	0.1ppm						-	(0.90)	
- - -	4.40 4.40	ES10	ES PID	0.1ppm				Orange bro	own with bluish mottling slightly silty	9.66	4.50	
- - - -	4.70 4.70 4.80 -4.80	ES12	PID	0.1ppm 0.1ppm				slightly sand (LONDON Terminated	CLAY FORMATION)	9.16	5.00	x - x
-	- - -									 - -	- - -	

	Drilling Pro	ogress and	Water Ob	servations		
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	

General Remarks

1. Inspection pit hand dug to 1.2m depth.

Checks for buried ferrous objects carried out during excavation by specialist unexploded ordnance (UXO) officer using magnetometer.

3. No groundwater encountered.

To grow toward the duffice construction.
 To grow to gro

Method Used: Tracked window sampling Plant Used: Archway Competitor Plant Used: All dimensions in metres Scale: 1:31

| Checked By: JTownsend Plant Used: Archway Competitor Plant Used: All dimensions in metres Plant Used: All dimensions in metres Plant Used: Drilled Plant Used: All dimensions in metres Plant Used: Plant Used: All dimensions in metres Plant Used: Plant Used: All dimensions in metres Plant Used: Plant Used:



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Contract:						Client:			Windo	w Samp	le:
Moun	t Pleasa	nt So	ortin	g Office			Royal	Mail Group Limited			WS16
Contract Ref:			Start:	03.10.16	Groui	nd Level		National Grid Co-ordinate:	Sheet:		
28	3549		End:	03.10.16		11.	89	E:531003.4 N:182202.5		1	of 1
Progress Window Run	Depth	Τ.	oles / 7	ests Results	Water	Backfill & Instru-mentation		Description of Strata	Reduced	Depth (Thick	Materia Graphic
WINGOW IXUIT	0.20	ES1	ES PID	0.1ppm	>		MADE GF gravelly SA fine to coal of wood Occasional (~50mm x 4		11.59	0.30 (0.60)	Legend ×o. · · · · · · · · · · · · · · · · · · ·
	0.80	ES2	ES PID	0.1ppm			gravelly SII fine to med mortar and MADE GR clayey grav	OUND: Dark brown to black slightly velly SAND. Sand is fine to coarse	10.99	0.90	× × × × × × × × × × × × × × × × × × ×
	1.70 1.70	ES3	ES PID	0.1ppm			mortar. MADE GF gravelly SA fine to coa mortar.	rounded to angular flint bricks and ROUND: Brick orange to white ven ND. Sand is fine to coarse. Gravel is rse subrounded to angular bricks and	10.49	1.40	
		ES4	ES PID	0.1ppm			sandy sligl medium. G mortar.	COUND: Brown to light brown slightly ntly gravelly CLAY. Sand is fine to redium bricks and	9.39	2.50	
	2.80 2.80	ES5	ES PID	0.1ppm			greenish gr is fine to	ROUND: Dark grey to black with rey slightly sandy gravelly CLAY. Sand medium. Gravel is fine to coarse to angular bricks and flint.	l	(0.80)	
	- - - -						gravelly SA	ROUND: Reddish brown slightly silty ND. Sand is fine to coarse. Gravel is rse subrounded to angular flint, bricks	; [3.30 (0.40)	* · · · · · · · · · · · · · · · · · · ·
	- - - 4.00 4.00	ES6	ES PID	0.1ppm			mild organion mild organion mild organion mild mild mild mild mild mild mild mild	OUND: Black slightly silty SAND with c odour. Sand is fine to coarse. Grave edium bricks and flint. sh to black slightly sandy CLAY with unts of greenish and grey sand.	7.99	3.90	× · · · · · · · · · · · · · · · · · · ·
	- - - -						(ALLUVIUN	M)	7.19	4.70	
	- - - 5.00	ES7	ES				Dark green (ALLUVIUN Terminated	,	6.89	5.00	
	5.00		PID	0.1ppm			. S. II III IGGG			-	

	Drilling Pr	ogress and	Water Ob	servations		
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	

General Remarks

- 1. Concrete coring to 0.33m followed by an Inspection pit hand dug to 1.1m depth.
- Checks for buried ferrous objects carried out during excavation by specialist unexploded ordnance (UXO) officer using magnetometer.
- 3. No groundwater encountered.
- To groundwater checkmered.
 Somm diameter standpipe complete with flush protective cover installed on completion. Response zone 0.5m to 1.0m.

Method Used: Tracked window sampling Plant Used: Archway Competitor All dimensions in metres Scale: 1:31

All dimensions in metres Scale: 1:31

Drilled By: KDS By: JTownsend By:





Contract: Mount Pleasant Sorting Office						Client:				Window Sample:			
	t Pleasa	nt S						Mail Group Limited			WS17		
Contract Ref:				03.10.16	Gro			National Grid Co-ordinate:	Sheet:		_		
28	3549		End:	03.10.16		14.		E:530984.0 N:182224.5			of 1		
Progress Window Run	Depth	Sam	ples / T Type	rests Results		Water Backfill & Instru-		Description of Strata	Reduced	Depth (Thick ness)	Material Graphic Legend		
- - - -	- - 0.15 - 0.15 -	ES1		0.1ppm			Concrete had MADE GRO gravelly fin sized concrete coarse substitutions.	ard standing. OUND: Light brown to dark brown silty e to coarse SAND with rare cobble rete and whole bricks. Gravel is fine to rounded to angular flint with occasional	14.29	0.10			
- - - -	0.60	ES2	ES PID	0.1ppm		<u>+</u>	brick concre	ete and clinker.	- - - -	(1.20)			
- - -	1.20 1.20	ES3	ES PID	0.1ppm			MADE GF	ROUND: Dark brown slightly sandy velly CLAY. Gravel is fine to medium	13.09	1.30			
- - -	1.50 1.50	ES4	ES PID	0.1ppm			subangular	flint with occasional brick fragments than clinker.	-	(0.70)			
- - - -	1.90 1.90	ES5	ES PID	0.1ppm			gravelly fin	ROUND: Dark brown slightly silty ne to coarse SAND with occasional CLAY. Gravel is fine to medium d to angular flint with occasional brick		2.00			
- - - -	2.50 2.50	ES6	ES PID	0.1ppm			concrete an MADE GF slightly sar		11.79	2.60			
- - - -	3.00	ES7	ES PID	0.1ppm			occasional	shell fragments.	- - -	-			
- - - -	3.50 3.50	ES8	ES PID	0.1ppm					- - - -	(2.40)			
- - - -	4.00 4.00	ES9	ES PID	0.2ppm					-	- - -			
,	4.40 4.40	ES10	ES PID	0.1ppm					- - -	-			
- - -	4.90 4.90	ES11	ES PID	0.1ppm			Terminated	at 5.00m.	9.39	5.00			

	Drilling Pr	ogress and	l Water Ob	servations		
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	
						:

General Remarks

- 1. Concrete coring to 0.10m followed by an Inspection pit hand dug to 1.2m depth.
- Checks for buried ferrous objects carried out during excavation by specialist unexploded ordnance (UXO) officer using magnetometer.
- 3. No groundwater encountered.
- To groundwater checkmered.
 Somm diameter standpipe complete with flush protective cover installed on completion. Response zone 1.0m to 5.0m.

Method Used: Tracked window sampling Plant Used: Archway Competitor Plant Used: All dimensions in metres Scale: 1:31

| Checked By: | Something | Something | Something



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Contract:						Client:			Windo	w Sampl			
	t Pleasa			g Office		Royal Mail Group Limited				WS18			
Contract Ref:				04.10.16	Groun				Sheet:				
	3549			04.10.16		17.	49	E:530938.4 N:182305.2		1	of 1		
Progress Window Run	Depth		oles / T Type	ests Results	Water	Backfill		Description of Strata	Reduced Level	Depth (Thick ness)	Materia Graphi Legen		
	-						Bituminous	hard standing.	17.35	- 0.14			
	- 0.15 - 0.15	ES1	ES PID	0.1ppm			coarse S subrounde	OUND: Light brown silty gravelly fine to AND. Gravel is fine to coarse d to subangular flint with occasional ete and mortar.	-	(0.76)			
	0.50 0.50	ES2	ES PID	0.1ppm			Briok corio	oto and mortai.	16.59	0.90			
	1.00	ES3	ES PID	0.1ppm			clayey gra	OUND: Light to dark brown slightly silty velly fine to coarse SAND. Gravel is arse subangular to rounded flint with brick concrete and ash.	-	0.90			
	1.40	ES4	ES PID	0.1ppm					-	(1.30)			
	2.10 2.10	ES5	ES PID	0.1ppm			brown sand to mediun	OUND: Dark reddish brown to blackish dy slightly gravelly CLAY. Gravel is fine n subangular to rounded flint with ick occasional concrete ash and coal.		2.20			
		ES6	ES PID	0.1ppm					- - -	(1.20)			
	3.20 3.20	ES7	ES PID	0.1ppm					14.09	3.40			
	3.50 3.50 3.50	ES8		0.1ppm				rown very sandy GRAVEL. Gravel is se subangular flint.	-	(0.40)			
	4.50	ES9	ES PID	0.1ppm			closely spa with rare re and mudsto			(1.20)	No. No.		
	-						Terminated	at 5.00m.	-	-			

	Drilling Progress and Water Observations											
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)							

General Remarks

- 1. Concrete coring to 0.14m followed by an Inspection pit hand dug to 1.2m depth.
- Checks for buried ferrous objects carried out during excavation by specialist unexploded ordnance (UXO) officer using magnetometer.
- 3. No groundwater encountered.
- 4. On completion, borehole backfilled with arisings.

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All dimensions in metres Scale: 1:31

Method Tracked window Used: sampling

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Plant Used: Archway Competitor

Drilled By: Logged By:

JTownsend Checked By:

AGS

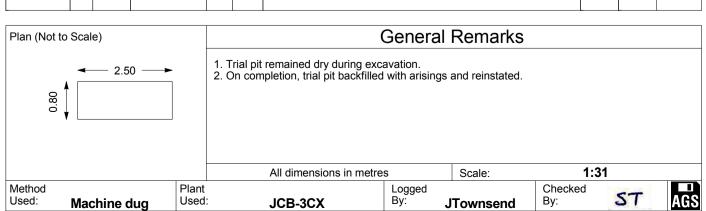


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Contract:			_			Client:		Trial Pi	it:	
		Pleas	ant Sortin				Mail Group Limited	01 /		TP1
Contract R		40		_	-	Ground Level:	National Grid Co-ordinate:	Sheet:	4	. 4
	285		End:	14.10	.16	17.16	E:530946.3 N:182313.1	10	1	of 1
San Depth	nples a	nd In-si Type	tu Tests Results	Water	Backfill	Des	scription of Strata	Reduced Level	Depth (Thick ness)	
<u> </u>					***	Bituminous hardstandin	g.	17.06	0.10	
0.10	ES1	ES PID	0.1ppm			content. Sand is mediu	brown gravelly SAND with low cobble m to coarse. Gravel is fine to coarse concrete flint and gravel. Cobbles are procrete and bricks.	- - -	(0.55)	
0.50 0.50	E52	ES PID	0.1ppm			MADE GROUND: Light	brown slightly clayey gravelly SAND. Gravel is fine to coarse subrounded to	16.51	- 0.65 -	
- 1.00 1.00	ES3	ES PID	0.1ppm				concrete with occasional ash and	- - - -	- - (0.95) - -	
1.50 1.50	ES4	ES PID	0.1ppm			MADE GROUND: Brow	n to dark brown slightly sandy slightly	15.56	1.60	
2.00 2.00	ES5	ES PID	0.1ppm				ccasional pockets of organic CLAY.	_	- - -	
2.50 2.50	ES6	ES PID	0.1ppm					-	(1.50)	
3.00	ES7	ES	0.4					14.06	3.10	
3.00		PID	0.1ppm				grey slightly clayey gravelly SILT with avel is fine to medium subrounded to eworked Alluvium)	13.86	3.30	
3.50 3.50	ES8	ES PID	0.1ppm			slightly gravelly CLAY. S	greenish grey to orange slightly sandy Sand is fine to coarse. Gravel is fine to occasional chalk fragments.	13.56	3.60	
-								-	-	
-								- - -	- - -	
- - -								-	-	
-								-	-	
-								-	<u> </u>	

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_015 PŋVersion: v8_06 - Core+Logs - 002 | Log TRIAL PIT LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 09/03/17 - 10:45 | JS9 |



Contract:					Client:		Trial P	it:	
		Pleas	ant Sortin			al Mail Group Limited	61		TP2
Contract R		40			Ground Level:	National Grid Co-ordinate:	Sheet:		. 4
	285	49	End:	14.10.16	17.63	E:530917.1 N:182291.		1	of 1
Sam Depth	nples a	nd In-sit	tu Tests Results	Water		Description of Strata	Reduced Level	Depth (Thick ness)	Materia Graphic Legenc
					Concrete hardstandir	ng.	17.48	0.15	
					MADE GROUND: Lig Sand is fine to coars bricks ash and clinke	ght brown slightly clayey gravelly SAN se. Gravel is subrounded to angular f r.	ID lint - 17.13	(0.35)	
0.50 0.50	ES1	ES PID	0.1ppm		SILT. Sand is fine	MADE GROUND: Dark grey to black slightly sandy gravelly SILT. Sand is fine to coarse. Gravel is fine to coarse subrounded to subangular bricks flint ash clinker.			
1.00 1.00	ES2	ES PID	0.1ppm				16.23	1.40	
1.50 1.50	ES3	ES PID	0.1ppm		Slightly gravelly CLAY	eenish and yellowish grey slightly sar with dark grey to black inclusions. Sa Gravel is fine to coarse subrounded prick.	ndy Ind	-(0.60)	
- 0 00	F0.4	F0					15.63	2.00	
2.00	ES4	ES PID	0.1ppm		MADE GROUND: Li Sand is fine to coars subangular flint brick	ght greenish grey sandy gravelly CL/ e. Gravel is fine to coarse subrounded mortar and chalk.	AY. [I to [(0.60)	
2.50	ES5	ES					15.03	2.60	
2.50		PID	0.1ppm		sandy slightly gravelly	ark grey to black slightly clayey sligh y SILT. Sand is fine to medium. Grave ed to angular flint and rare bricks.	ntly _ I is _	(0.40)	
- 2 00	ES6	FC					14.63	3.00	
3.00	E50	ES PID	0.1ppm			sandy CLAY with grey mottling anses. Grading into orange grey CLAY. RMATION)	ana _ - -	(0.60)	
3.50	ES7	ES					14.03	3.60	<u> </u>
3.50		PID	0.1ppm		Terminated at 3.60m.		-		



GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_015 PŋVersion: v8_06 - Core+Logs - 002 | Log TRIAL PIT LOG - A4P | 28549_MOUNT PLEASANT.GPJ - v8_06.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 09/03/17 - 10:45 | JS9 |



Contract:							Client:		Trial P	it:	
		Pleas	ant So					Mail Group Limited			TP3
Contract R			8				Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	E	End:	14.10.	16	17.69	E:530939.6 N:182296.1		1_	of 1
Sam Depth	ples a	nd In-si Type	itu Tests Resu	ılts	Water	Backfill	Desc	cription of Strata	Reduced Level	Depth (Thick ness)	Materia Graphic Legend
	+	. 7 -	11000		×	***	Concrete hardstanding.		<u>∝</u> 17.59	0.10	
						\bowtie	Concrete bricks.		17.49	0.20	
						\bowtie	MADE GROUND: Light b		17.29	0.40	
0.50 0.50	ES1	ES PID	0.1pp	om			to coarse SAND. Grave	reddish brown silty very gravelly fine el is fine to coarse subangular to ent pottery ceramics with occasional sh and mortar.	-	(0.60)	
4.00	F00	50				\bowtie	MARE ORGUND D. I		16.69	1.00	
1.00 1.00	ES2	ES PID	0.1pp	om			gravelly CLAY. Gravel is	reddish brown very sandy slightly fine to coarse subangular to rounded concrete pottery and frequent bricks.	- - -	_ _ _	
1.50 1.50	ES3	ES PID	0.1pp	om					- - -	<u>-</u> -	
2.00 2.00	ES4	ES PID	0.1pp	om					-	-(2.20)	
2.50 2.50	ES5	ES PID	0.1pp	om					-	-	
3.00 3.00	ES6	ES PID	0.1pp	om			MADE GROUND: Oral	nge brown sandy gravelly CLAY.	14.49	3.20	
						\bowtie	Gravel is fine to coars occasional brick concrete	e subangular to rounded flint with coal with rare whole bricks.	14.19	3.50	
3.50 3.50	ES7	ES PID	0.1pp	om			Terminated at 3.50m.			-	
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Contract:						Client:			Trial P	it:	
Мо	unt l	Pleas	ant Sorti	ng Offic	се	Roya	ıl Mail Group Limite	ed			TP4
Contract Re			Star	t: 11.10.	16 G	round Level:	National Grid Co-ordinate		Sheet:		
	285	49	End	: 11.10.	16	16.95	E:530929.6 N:18	32274.6		1	of 1
Sam Depth	ples a	nd In-si	tu Tests Results	Water	Васкі	D	escription of Strata		Reduced Level	Depth (Thick ness)	Materia Graphic Legend
						gravelly SAND with loand occasional glass.	all weeds over dark soft bi ow cobble content frequent Sand is fine to coarse. Grav angular flint. Cobbles are bri	ash clinker el is fine to	- - -	(0.60)	
0.50 0.50	ES1	ES PID	0.1ppm		₩ ;	SAND with frequent a Gravel is fine to coar	own to dark brown silty slight sh and clinker. Sand is fine se subrounded to subangu	e to coarse.	16.35	0.60	
1.00 1.00	ES2	ES PID	0.1ppm		<u>'</u>	orick.			- - -	(0.90)	
1.50 1.50	ES3	ES PID	0.1ppm			SILT. Sand is fine	k brown to black slightly san to coarse. Gravel is fine gular flint and bricks freque	to medium	15.45	1.50	
2.00 2.00	ES4	ES PID	0.1ppm			JIIINGI.			- - - -	- - [(1.30)	
2.50 2.50	ES5	ES PID	0.1ppm						14.15	2.80	
3.00 3.00	E6S	ES PID	0.1ppm		₩ ¦	with organic odour. Sa	ck slightly sandy slightly gr and is fine to medium. Grav o subangular flint bricks gla	el is fine to	-	-(0.60)	
3.50 3.50	ES7	ES PID	0.1ppm		\9	gravelly CLAY. Sand	own to black silty slightly sa is fine to medium. Grave o angular flint bricks and occ	I is fine to		3.40	
									- - - -	- - -	
									-	- - -	
-									-	- - -	
									-	-	



Contract: Mount Pleasant Sorting Office Contract Ref: Start: 11.10.16								Client:					Trial Pi	t:	
Mou	ınt l	Pleas	ant So	ortin	g Of	fice			Royal	Mail Gro	up Limited				TP5
Contract Re	f:			Start:	11.1	0.16	Groun	d Level:		National Gri	d Co-ordinate:		Sheet:		
	285	49		End:	11.1	0.16		16.98	}	E:5309	55.3 N:182	254.5		1	of 1
Samp Depth	les a		tu Tests Res	ulte	Water	Backfill			Des	cription of St	rata		Reduced Level	Depth (Thick	
Берит	140	Турс	1103	uito	_		Bitur	ninous har	dstanding					ness)	Legend
0.50	ES1	ES PID	0.1p	pm			MAD Sand angu Cobl	E GROUN d is fine to llar bricks	ND: Dark coarse. G s, flint, r ubangular	brown slightl Gravel is fine nortar, conc to angular	y clayey gravell to coarse subro rete, ash and brick and conc	unded to clinker.	-	(1.25)	
1.00		PID	0.1p	pm									15.68	1.30	
	ES3	ES PID	0.1p	pm			cobb	le content.	Sand is f. angular	ine to coarse oricks flint co	ey gravelly SA . Gravel is fine to oncrete ash and	o coarse		(0.90)	
2.00	ES4	ES PID	0.1p	nm									14.78	2.20	
2.50 2.50 2.50 3.00	ES5	ES PID	0.1p 0.1p	pm			CLA	Y with org	anic odou		/ sandy slightly ne to medium. ((1.30)	
-			0.16	P.III									13.48	3.50	
3.50	ES7	ES PID	0.1p	pm										-	

Used:

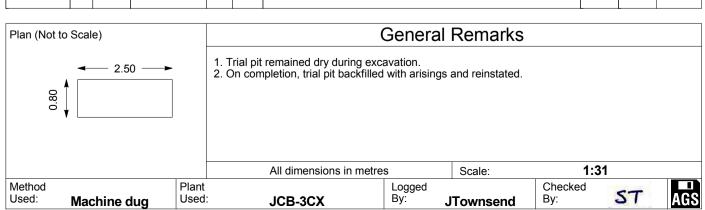
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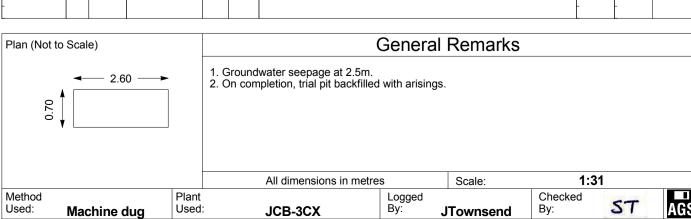


Contract: Mount Pleasant Sorting Office Contract Ref: Start: 11.10.16							Client:				Trial Pi	it:	
Moi	ınt l	Pleas	ant S	ortin	g Offi	се		Royal	Mail Group	Limited			TP6
Contract Re	f:			Start:	11.10.	16	Ground Level:		National Grid (Co-ordinate:	Sheet:		
	285	49		End:	11.10.	16	15.13	3	E:530977	7.9 N:182232.5		1	of 1
Sam Depth	oles a	ind In-si	itu Tests	sults	Water	Backfill		Des	cription of Strat	ta	Reduced Level	Depth (Thick	
Берит	110	Турс	1100	Juito	_	ш >>>>	Concrete hards	standing			15.03	ness) 0.10	Eegend 80 NOO RA
0.50	ES1	ES					MADE GROUI CLAY with bou	ND: Dark llder cont subroun	ent. Sand is find ded to angular	n very sandy gravelly e to coarse. Gravel is flint ash and clinker.	- - - -	- - - -	
0.50		PID	0.1	ppm							-	(1.30)	
1.00	ES2	ES PID	0.1	ppm							13.73	1.40	
1.50 1.50	ES3	ES PID	0.1	ppm			CLAY. Sand	is fine to		 very sandy gravelly rel is fine to coarse ash and brick. 	13.13	(0.60)	
2.00 2.00	ES4	ES PID	0.1	ppm			gravelly SILT v	with strong	grey to black g organic odour angular bricks a	slightly sandy slightly . Silt is fine to coarse. and mortar.	-	(0.70)	
2.50 2.50	ES5	ES PID	0.1	ppm						slightly gravelly SILT. coarse subrounded to	12.43	2.70	
3.00	ES6	ES PID	0.1	ppm						ent clinker and ash.	- - - -	(0.90)	
3.50 3.50	ES7	ES PID	ا0.1	ppm			Terminated at	3.60m.			11.53	3.60	
-											-	- - -	
-											-	- - -	
- - -											-	- - -	
- - -											-	-	



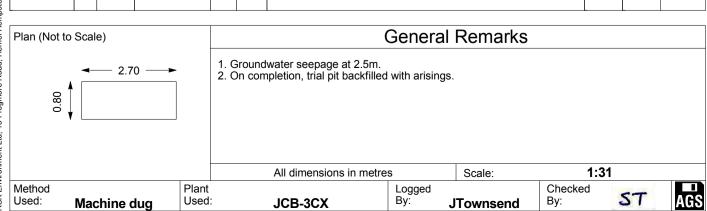


Contract:						Client:		Trial P	it:	
Мо	unt l	Pleas	ant Sortin	g Off	ice	Royal	Mail Group Limited			TP7
Contract R	ef:		Start:	11.10	.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	11.10	.16	12.57	E:531004.6 N:182223.9		1	of 1
			tu Tests	Water	Backfill	Des	scription of Strata	Reduced Level	Depth (Thick	Graphi
Depth	No	Туре	Results	> >		Diturcia que handatandia.	_	Re	ness)	Legen
0.50 0.50	ES1	ES PID	0.1ppm			slightly clayey gravelly fine to coarse. Gravel coarse flint bricks bitum are subrounded to angu	ss and soil reworked as dark brown SAND with boulder content. Sand is is subangular to subrounded fine to hin concrete ash and clinker. Cobbles	11.97	0.15 (0.45)	
1.00 1.00	ES2	ES PID	0.1ppm			recovered as cobble mu	11.17	-(0.80) -(1.40		
1.50 1.50	ES3	ES PID	0.1ppm			MADE GROUND: Ora SAND. Sand is fine t subrounded to angular f	-	(0.90)		
2.00 2.00	ES4	ES PID	0.1ppm					10.27	2.30	
2.50 2.50	ES5	ES PID	0.1ppm			gravelly CLAY. Sand i	grey to black slightly sandy slightly s fine to medium. Gravel is fine to ngular flint ash and brick.	- - - - -	-(0.80)	
						Dark greenish grev sligh	itly silty CLAY with black mottling.	9.47	3.10	<u> </u>
						Jan greenen grey eng	,,	9.17	3.40	
-						Terminated at 3.40m.		-	-	



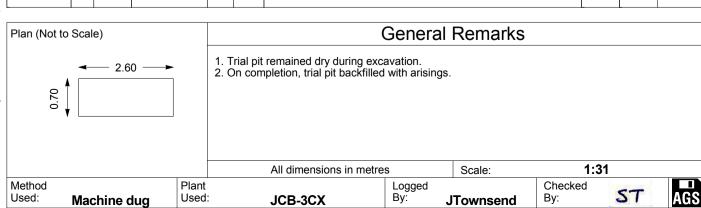


Contract:					Client:				Trial Pi	it:	
Mou	unt Ple	easant		g Office			Mail Group Limite	d			TP8
Contract Re			Start:	11.10.16	Ground Level		National Grid Co-ordinate		Sheet:		
	28549		End:	11.10.16	12.	10	E:530991.6 N:18	2206.7		1	of 1
	1	In-situ Tes		Water		Des	cription of Strata		Reduced Level	Depth (Thick	Materia Graphic
Depth	No Ty	pe R	esults	> m	× =		•		Re	ness)	Legend
0.50		ID 0	.1ppm		MADE GRO	ent. Sand is f to angular	eddish brown gravelly SAN ine to coarse. Gravel is fin bricks flint concrete n	e to coarse	11.95	0.15 (0.35) 0.50	
0.50		טו טו	. гррпі		MADE GRO	DUND: Dark T. Sand is fir	of bricks and mortar. grey to black slightly sar e to coarse. Gravel is fine ar flint and brick fragments.	to medium	11.40	0.70	
1.00	P	ID 0	.1ppm		Subrounded	to subanguio		10.90	1.20		
1.50	P	ID 0	.1ppm		SAND. Sar subrounded	OUND: Light of is fine to to subangu occasional oy	to coarse	10.50	(0.40)		
					CLAY. San	OUND: Dark d is fine to to subangula	to medium	-	-		
2.00			.1ppm						- - -	(1.10)	
2.50		ID 0	.1ppm					-	9.40	2.70	
					🕅 clayey grave	elly SAND. Someon seriounded to	grey with black silty inclu and is fine to coarse. Grav subangular bricks flint	el is fine to	9.10	3.00	
								-	-	- - -	
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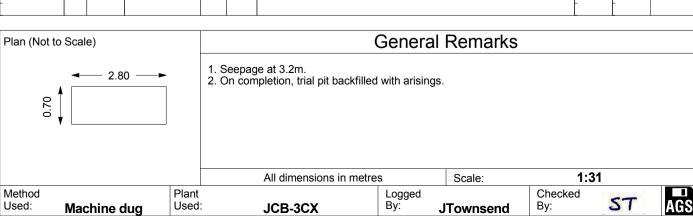


Contract:						Client:			Trial P	it:	
		Pleas	ant Sortin					up Limited	Ok 1		TP9
Contract R	ет: 285	40		18.10.16 18.10.16		14.50		id Co-ordinate: 997.4 N:182173.3	Sheet:		1 ء۔
			End:			14.50	E.5508	997.4 IN. 102173.3	 g		of 1
Depth	No	nd In-si Type	tu Tests Results	Water		[Description of S	trata	Reduced	Depth (Thick ness)	Material Graphic Legend
							ling over concre		14.25	0.25	
0.50	ES1	ES PID	0.1000		SAND subro	D. Sand is fine	e to coarse. Ĝ ar flint with ash	/ clayey slightly gravelly Gravel is fine to coarse n, clinker and occasional	-	(0.45)	
0.50		РΙ	0.1ppm		Ceme	ented concrete a	and brick obstruc	ction.	13.80	0.70	
1.00		PID	0.1ppm						13.40	1.10	
					∭ SAND	D. Sand is find	own to light brove to coarse. G ar flint tile mortar	wn clayey slightly gravelly Gravel is fine to coarse ⁻ .	-	-	
1.50 1.50	ES2	ES PID	0.1ppm							-	
2.00 2.00	ES3	ES PID	0.1ppm						- - -	(2.10)	
2.50 2.50	ES4	ES PID	0.1ppm						- - - -	- - - -	
3.00 3.00	ES5	ES PID	0.1ppm		MADE	E GROUND: D	ark to light brow	vn slightly sandy gravelly	11.30	3.20	
3.50	ES6	ES	0.4		is fine and cl	e to coarse sub linker. Cobbles	rounded to anguare subangular	is fine to coarse. Gravel ular brick flint mortar ash to angular brick.		(0.40)	
3.50		PID	0.1ppm		Termi	inated at 3.60m			-	-	
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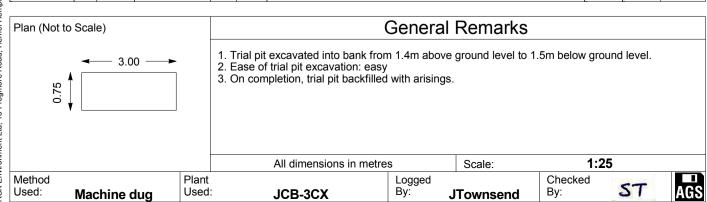


Contract:						Client:	INIAL	Trial P		
	unt l	Pleas	ant Sortin	a Of	fice		Mail Group Limited	IIIai P	IL.	TP10
Contract R						Ground Level:	National Grid Co-ordinate:	Sheet:		
	285	49	End:	11.10	0.16	12.35	E:531020.0 N:182203.7		1	of 1
			tu Tests	Water	Backfill	De	scription of Strata	Reduced Level	Depth (Thick	Graphic
Depth	No	Туре	Results	>	<u>п</u>	MADE GROUND: Bitun	non hardstanding		ness)	Legeno
	ES1	ES				MADE GROUND: Dark SAND with medium co Gravel is fine to coarse clinker with occasiona	to brown reddish brown clayey gravelly obble content. Sand is fine to coarse. subrounded to angular bricks ash and al flint. Cobbles are subrounded to crete. Occasional fragments of cement,	11.85	0.15 - (0.35) 0.50	
0.50		PID	0.1ppm			bound asbestos (~50mi MADE GROUND: Darl SILT. Sand is fine to	11.65	0.70		
1.00 1.00	ES2	ES PID	0.1ppm			sub-angular fine to med MADE GROUND: Ligh Sand is fine to coarse. angular brick wood flint	11.05	1.30		
1.50 1.50	ES3	ES PID	0.1ppm			MADE GROUND: Bro slightly gravelly CLAY. coarse subrounded to fragments shells and in odour. (Possible rewor	- - - -	(1.20)		
2.00 2.00	ES4	ES PID	0.1ppm				-	-		
2.50 2.50	ES5	ES PID	0.1ppm			gravelly CLAY. Sand	k grey to black slightly sandy slightly is fine to coarse. Gravel is fine to rootlets and fragments of wood and r.	9.85	2.50	
3.00 3.00 3.20	ES6	ES PID ES	0.1ppm	*		base of trial pit.	age of a possible red coloured liquid at	9.25 9.15	3.10	
3.20		PID	0.1ppm			sandy slightly gravelly (k greenish grey/golden brown slightly CLAY with sand inclusions. Sand is fine e to coarse subrounded to subangular of chalk.	- - - - - - - - - -	-	
· · · · · · · · · · · · · · · · · · ·								- - - - -	-	





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						Client:		Trial Pi	t:	
nt F	Pleas	ant S	ortin	g Of	fice	Royal	Mail Group Limited			TP18
			Start:	19.1	0.16	Ground Level:	National Grid Co-ordinate:	Sheet:		
854	49		End:	19.1	0.16				1	of 1
es ai	nd In-si	tu Tests	5	ter	■	_		iced 'el	Depth	Material
No	Туре	Res	sults	_ ∖a	Bac	Des	cription of Strata	Sedt Lev		Graphic Legend
ES1	ES PID	0.1	ppm			coarse SAND. Gravel is bricks, slate, concrete a	fine subrounded flint with occasional and timber with rare white bricks and	-	-	
ES2	ES PID	0.1	ppm					-	(1.50) - - - -	
ES3	ES PID	0.2	ppm						1.50	
	854 98 ar No	es and In-si No Type ES1 ES PID	es and In-situ Tests No Type Res ES1 ES PID 0.1 ES2 ES PID 0.1	Start: End:	Start: 19.1 Start: 19.1	Start: 19.10.16 End: 19.10.16 Es and In-situ Tests No Type Results Start: 19.10.16 End: 19.10.16 Start: 19.10.16 End: 19.10.16 Start: 19.10.16 End: 19.10.16 Start: 19.10.16 End: 19.10.16 Start: 19.10.16 End: 19.10.16	Start: 19.10.16 Ground Level: 8549 End: 19.10.16 Start: 19.10.16 End: 19.10.16 Start: 19.10.16 Formula Level: MADE GROUND: Grass coarse SAND. Gravel is bricks, slate, concrete a cobble sized concrete, possible sized concrete, possible sized concrete, possible sized concrete and cobble sized concrete.	Start: 19.10.16 Ground Level: National Grid Co-ordinate:	Start: 19.10.16 Ground Level: National Grid Co-ordinate: Sheet:	Start: 19.10.16 Ground Level: National Grid Co-ordinate: Sheet:

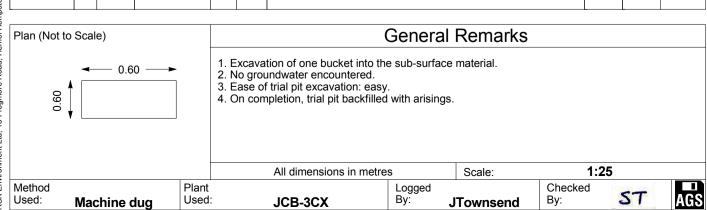




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Contract:					Client:					Trial Pi	it:				
Mou	unt	Pleas	ant S	ortin	g Of	fice			Royal	Mail Gro	up Limit	ed			TP19
Contract Re	ef:			Start:	19.1	0.16	Grour	nd Level:		National Gr	id Co-ordina	te:	Sheet:		
	285	49		End:	19.1	0.16								1	of 1
Sam	oles a	ınd In-si	tu Tests		e	≣							ced	Depth	Material
Depth	No	Туре	Res	ults	Water	Backfill				cription of S			Reduced Level	(Thick ness)	Graphic Legend
- - - 0.40 - 0.40	ES1	ES PID	0.1p	opm			coar brick	se Sand	D. Gravel i: e glass wii	s fine to coa	arse flint witl	velly fine to n occasional whole bricks	-	0.50	
- - - - -		ΡΊD	υ. τ ρ	ррпп									-	- - - -	
-													-	-	
- - - -													- - - -	- - -	
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-													<u> </u>	-	

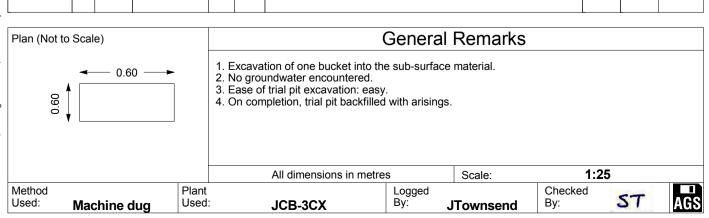


									INAL	. FI	l L	.UG
Contract:							Client:			Trial P	it:	
Mou	ınt l	Pleas	ant S	ortin	g Of	fice		Royal	Mail Group Limited			TP20
Contract Re	f:			Start:	19.1	0.16	Ground Level:		National Grid Co-ordinate:	Sheet:		
	285	49		End:	19.1	0.16					1	of 1
Sam	oles a	nd In-si	tu Tests	6	ter	Kfill				Reduced	Depth	Material
Depth	No	Туре	Res	sults	Water	Backfill		Des	cription of Strata	Zedı Le	(Thick ness)	
0.20	ES1	ES PID	0.1	ppm			SAND. Grav	el is fine si ss wire and	brown silty gravelly fine to medium ubrounded flint with occasional brick d plastic with rare whole bricks and		-(1.00)	
0.80 - 0.80	ES2	ES PID	0.1	ppm						-	1.00	



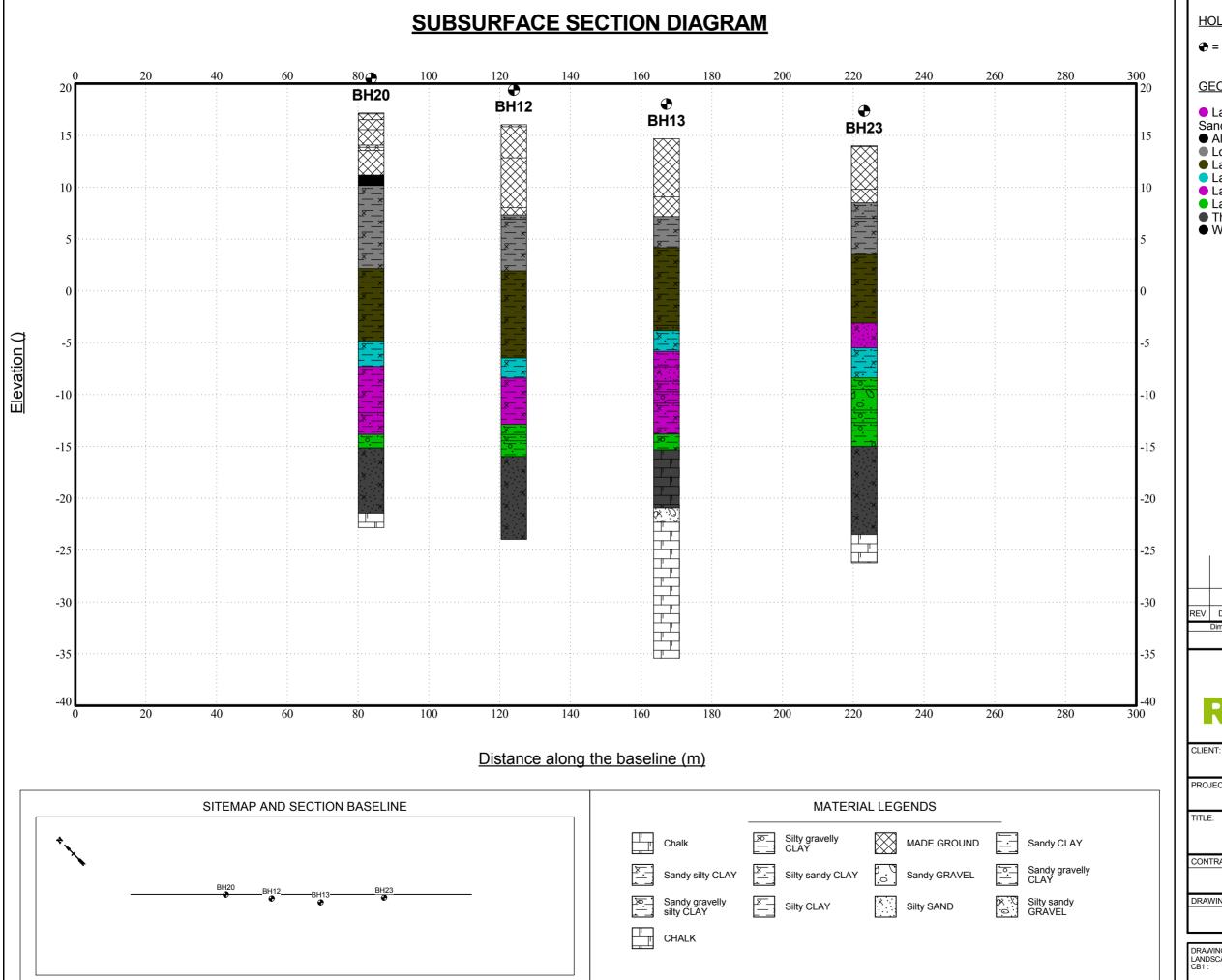


												11	KIAL	. PI	I L	.UG
Contract:	Mount Pleasant Sorting C							Client:						Trial P	it:	
Moi	unt l	Pleas	ant S	ortin	g Off	fice			Ro	yal	Mail Group	Limite	d			TP21
Contract Re	ef:			Start:	19.10	0.16	Groun	d Level:			National Grid C	o-ordinate	:	Sheet:		
	285	49		End:	19.10	0.16			•						1	of 1
	1	ınd In-si			Water	Backfill				Des	cription of Strata	a		Reduced Level	Depth (Thick	Graphic
Depth	No	Туре	Res	sults	>	B								Rec	ness)	Legend
0.20	ES1	ES PID	0.1	ppm			SAN occa MAD to m	ID. Gravasional bi DE GROV Dedium S	vel is rick frag UND: D SAND.	fine gmen ark l Grav	brown silty grato medium sunts and concrete. brown to black well is fine to coional brick fragn	ubrounded very silty g oarse sub	flint with ravelly fine angular to		0.20	
0.60	ES2	ES PID	0.1	ppm			rounded flint with occasional brick fragments glass concrete mortar and rare whole bricks.						-	(0.80)		
															1.00	





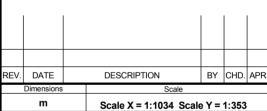
APPENDIX C CROSS SECTIONS



HOLE TYPE MARKER LEGENDS:

GEOLOGY COLUMN COLOUR CODES:

- Lambeth Group Lower Mottled Beds -
- Sand Channel Alluvium
- London Clay FormationLambeth Group Upper Mottled Beds
- Lambeth Group Laminated Beds
- Lambeth Group Lower Mottled Beds
- Lambeth Group Upnor Formation
- Thanet Sand Formation
- White Chalk Subgroup



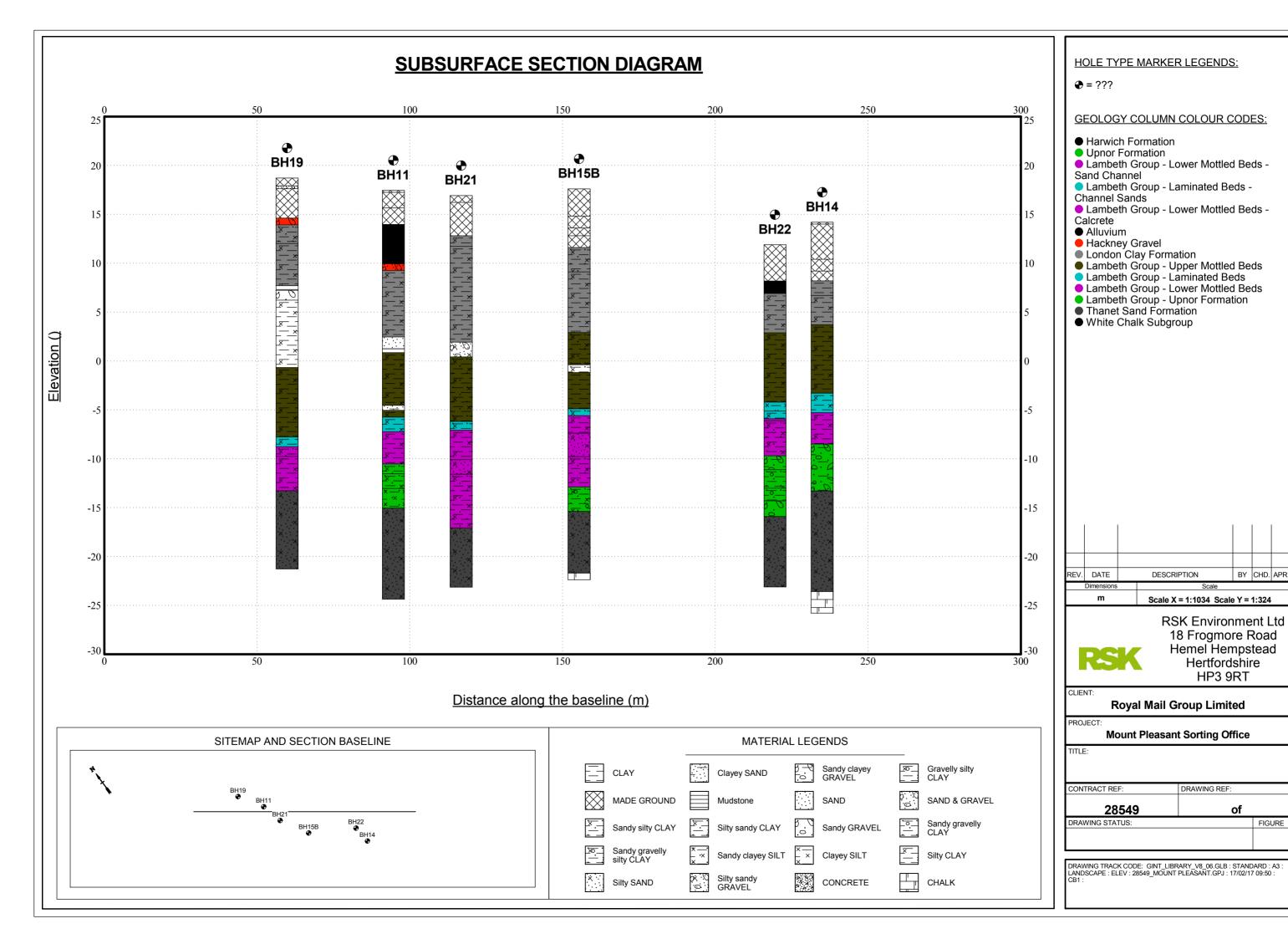
RSK Environment Ltd 18 Frogmore Road Hemel Hempstead Hertfordshire HP3 9RT

Royal Mail Group Limited

Mount Pleasant Sorting Office

DRAWING REF: 28549 DRAWING STATUS: FIGURE

DRAWING TRACK CODE: GINT_LIBRARY_V8_06.GLB: STANDARD: A3: LANDSCAPE: ELEV: 28549_MOUNT PLEASANT.GPJ: 17/02/17 09:43: CB1:





APPENDIX D GROUNDWATER MONITORING RECORDS