



- Specified Site Specified Buffer(s) X Bearing Reference Point 8 Map ID
- Several of Type at Location

Historical Building Plans

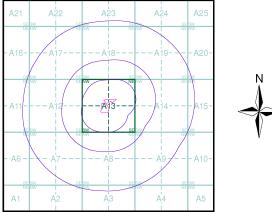
Area Cleared due to Enemy Action

Historical Land Use

- Historical Flood Liability
- Historical Flood Liability (Location)
- Potentially Contaminative Industrial Use (Past Land Use) (Linear)
- Potentially Infilled Land (Non-Water)

- Potentially Infilled Land (Water) (Linear)
- Potentially Infilled Land (Water) (Location)

Historical Data Report - Slice Map A



Order Details

38669898_1_1 Customer Ref: 12-0083 Bacton National Grid Reference: 528120, 185290

Site Area (Ha): Search Buffer (m): 1.48 1000

Site Details

Site at 528080, 185250



0844 844 9952 0844 844 9951

A Landmark Information Group Service v47.0 23-Apr-2012 Page 1 of 1

APPENDIX C EXPLORATORY HOLE LOGS

DATA SHEET - Symbols and Abbreviations used on Records

Sample	e Types	Groundwater		Strata, Continued	
3	Bulk disturbed sample	Water Strike	∇	Mudstone	
LK	Block sample	Depth Water Rose To	▼		
	Core sample	Deptil Water Rose To	<u> </u>		00000
)	Small disturbed sample (tub/jar)	Instrumentation		Siltstone	×××× ××××× ×××××
	Environmental test sample			Metamorphic Rock	××××
S	Environmental soil sample	Seal		Fine Grained	·········
W	Environmental water sample			Medium Grained	*********
G	Gas sample		111	Medium Grained	\sim
-	Liner sample	Filter	-	Coarse Grained	$\sim\sim$
.B	Large bulk disturbed sample	THEC	111	Coarse Grained	~~
•	Piston sample (PF - failed P sample)		1	Igneous Rock	VVVV
ΓW	Thin walled push in sample		55	Fine Grained	*****
J	Open Tube - 102mm diameter with blows to take sample. (UF - failed U sample)	Seal		Medium Grained	***** **** *****
UT	Thin wall open drive tube	Strata		Coarse Grained	*****
	sampler - 102mm diameter with blows to take sample. (UTF - failed UT sample)	Made Ground Type I		Backfill Materials	[alakara
V	Vial sample				8
W	Water sample	Type 2		Arisings	
#	Sample Not Recovered	Type 2		. 6	
nsitu ⁻	Testing / Properties	Topsoil		Bentonite Seal	
CBRP	CBR using TRL probe		00		Ņ
CHP	Constant Head Permeability Test	Cobbles and Boulders		Concrete	ρ - ο •
COND	Electrical conductivity		. 0 0		<u> </u>
HV	Strength from Hand Vane	Gravel	, , ,	E: 0 E:L	13
CBR	CBR Test			Fine Gravel Filter	
DEN	Density Test	Cam d			*-3
RES	Resistivity Test	Sand		General Fill	
MEX	CBR using Mexecone Probe Test	Cile	* * *	General I III	 I.:
PKR	Packer Permeability Test	Silt	× × ×	Gravel Filter	
PLT	Plate Load Test		× × ,	C. a., c	: -
P	Strength from Pocket Penetrometer	Clay		Grout	
Гетр	Temperature			C. out	2
/HP	Variable Head Permeability Test	Peat	21/2 21/2 21/2	Sand Filter	0 D D D D D D D D D D D D D D D D D D D
/N	Strength from Insitu Vane		MZ.	Jung 1 11001	0 0
w %	Water content	Note: Composite soil type	es shown		
(All oth undrain	ner strengths from ed triaxial testing)	by combined symbols		Tarmacadam	
		Chalk	1,1,1,1	D / C	
5	Standard Penetration Test (SPT)			Rotary Core	
2	SPT with cone	Limestone		RQD Rock Quality D (% of intact cor	
J N	SPT Result			FRACTURE INDEX	,
/ <u>-</u>	Blows/penetration (mm)			Fractures/metro	е
·, -	after seating drive	Sandstone		SPACING (mm) Minimum	
*/_ mm)	Total blows/penetration			NI Non-intact NR No core re AZCL Assumed z	
()	Extrapolated value	Coal		loss (where core recovery is unknown assumed to be at the base of the	own it is

BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer **Borehole** BH1 ROLTON GROUP Project No PC124991

Client Ground Level 42.45 m OD ROLTON GROUP

	N GROUE	,	D	ukia -	1	Ot 1							Ground	Level 42		m OD
Sampling	0	Denth	Prope		l	Strata	1							T	Scale 1	1
Depth	Sample Type	Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion							Depth	Legend	Level m OD
	<u> </u>						ac. ** E GROUNI	D 1					,	G.L. 0.10	,	42.45 42.35
0.30 0.30	_ D _ E					Conci	ete. *	*					/ 	0.30 0.50		42.15 41.95
0.50- 0.70 0.50 0.70- 1.00	- B - D - B						ish bro	own mottl	ed gre	y and i	black s	lightly	7	0.70		41.75
0.70 1.00 1.00	— D - D - E						ngular	gravelly fine to c						_		
1.20- 1.65	_ D	1.20 (DRY)			S 7	[MADE	GROUNI							<u> </u>		
1.70- 1.90 1.70	- - в - р					clay.	Grave	h brown m el is ang flint and	ular t	o roun	ded fin	ie to co		1.70		40.75
2.00	_ D - E	1 50	F.4	22		hydro	carbon GROUNI	odour.						2.00		40.45
2.20- 2.65	_ U53 -	1.50 (DRY)	54	23				ark grey ndy sligh						<u>-</u>		: :
2.65 2.70- 3.10	- - D - В					coars	e flint	el is ang t, quartz ocarbon o	ite, b					2.65		39.80
2.70- 3.10						[MADE	GRŌUNI OOm, mo	D] ottling a	bsent.					<u> </u>		:
	<u> </u>					Below grey		, becomin	g gree	nish g	rey mot	tled b	Luish			:
	_ - -					clay	Grave	sh brown el is ang	ular t	o subr	ounded			F		;
3.90- 4.35	_ D	1.50 (DRY)			S23	[MADE	GROUNI							_		
	- - -					CLAY	Grave	mottled el is sub edium str	rounde					<u> </u>		
						Stiff	fissu	red brown	mottl					Ē		:
	_					and s	stained	ly closel bluish g ith rare	rey.	-	_			<u> </u>]
E 40 E 9E	- - - ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.50				grave Below	el v 3.90m	, becomin	g lami	nated	in part	s.		<u> </u>		:
5.40- 5.85	_ U55 - -	(DRY)				layeı	:.	riller no , slightl	_			-	oming	Ė.		
5.85	_ D							losely to casionall				ed smoot	th,	<u> </u>		
	- - -													<u> </u>		
	_ - -													<u> </u>		
7.00- 7.45	_ р	1.50			S15									<u> </u>		:
		(DRY)												Ē		
	- - -													<u> </u>		
8.00	_ _ D							, becomin						<u> </u>		
8.20- 8.65	UT70	1.50 (DRY)	115	30		pocke subve	ets. Fig ertical	fine to m ssures ge , dull, s	nerall ome po	y subh	orizont			‡		:
8.65	- - - D							igh stren						<u> </u>		:
0.03														<u> </u>		:
	- - -													 		:
	<u> </u>						a a-	,						‡ F		:
9.80-10.25	D	1.50 (DRY)			s20	Belov	7 9.80m	, becomin	g very	stiff	•			‡ F		:
Boring	_	` -,			Progre	ess				Groun	ndw ate	er				
Depth Hole Dia		Technique	9	Crew	Depth of Hole		Depth to Water	Date	Time	Depth Struck		Rose to	in Mins	Depth Sealed		rks on dwater
1.20 30.00 0.15		ion Pit Percussi		DC DC	G.L. 14.80			16/08/12 16/08/12	18:00						None enc	ountered oring.
					14.80 30.00			17/08/12 17/08/12								
		ion nit														

key sheet. All dimensions

are in metres.

Remarks

Inspection pit hand excavated to 1.20m depth.

*** Drillers description.

Symbols and abbreviations are explained on the accompanying key sheet.

Symbols and abbreviations are explained on the accompanying key sheet.

*** Drillers description.

E sample = 1 x vial, 1 x plastic jar and 1 amber jar

A 50mm standpipe was installed to 10.00m with a slotted section from 2.00m to 10.00m with flush lockable protective cover. Backfill details from base of hole: bentonite seal up to 10.00m, gravel filter up to 2.00m, bentonite seal up to 0.30m, concrete up to ground level Chiselling: 15.90-16.30m for 60 minutes.

Logged in accordance with BS5930:1999 + A2:2010

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1 of 3 20/09/2012

Logged by

Figure

Borehole Project No Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer BH1 ROLTON GROUP PC124991

Client ROLTON GROUP Ground Level 42.45 m OD

ampling		Trans-1	Prope			Strata	1								Scale 1	:50
epth	Sample Type	Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion							Depth	Legend	Lev m (
														E		
.30-10.70	В													Ė		
	E													E		
	E													E		
	E													E		
	_													F		3
.30-11.75	U80	1.50	157	28		At 11	30m. v	ery high	n strem	ath				F		
	-	(DRY)						,yı		. 				F		3
.75	D													F		
	-													Į.		3
	_													F		
	Ē													‡		
	_													‡		
	_													‡		
.80-13.25	D	1.50			S27									F		
	-	(DRY)												F	1	3
	ļ.													‡		
	<u> </u>													‡		
	ļ													‡		
	<u> </u>													ţ		1
	<u> </u>															
20 14 55	- ,,,, ,,,	1	115	2.		, . ·	30	: ·						ţ		
30-14.75	0120	1.50 (DRY)	115	26		At 14	3Um, h	igh stre	ength					L		3
75	- р	`				7.± 1.4	75m	ith co-	, fir-	to acc	ree	wol	, od	<u></u>		
/ 5	ע					fragm	e./om, wents of	ith some	one.	to coa:	se gra	ivel S12	ea	ŧ		
	H					-								Ė		
	E													Ė		3
	E													E		
	F													F		
	F					At 15	.90m, c	laystone	e bould	er.**	Recove	ered as	dark	F		3
.90-16.70	_ D					grey	fine to	laystone coarse	clayst	one gr	avel.			F		3
	F													F		3
	F													F	1	
	F _					At 16	.70m, w	ith occa	asional	fine	to medi	um grav	rel	F		3
.70-17.15	D	1.50 (DRY)			S29	sized	l silt p	ockets o	of rare	shell	fragme	ents.		Į.		
	_	(====,												ļ.		
	F													F		3
	Ē													Į.		
	F													F		3
	ļ.													F		
	<u>L</u>													F		
20-18.50	UT130	1.50												‡		3
50	D	(DRY)				Below	7 18.50m	, silt p	oockets	absen	ŧ.			F		
	F					DCTON	. 20.0011	., JIIC <u>1</u>	- JUNGUS	ana Cil	-•			F		
	F													F		
	<u> </u>													F		
	Ē													F		
	ļ.													F		
	<u> </u>													F		
70-20.15	- D	1.50 (DRY)			s33									‡		3
	<u>L</u>	(2.1.2)												<u>L</u>		7
ring					Progre					Grour	ndw ate	er				
th Hole Dia		Technique)	Crew	Depth of Hole		Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed		arks on ndwate
Dia		•			0. 11016	Juseu	vva.ci			Cituon	Jaseu		SILILAI	Julieu	arour	iaw ale
1					l									de at Log	1	

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Figure 2 of 3

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Project BACTON LOW RISE, GOSPEL OAK, NORTH Engineer ROLTON GROUP Borehole Project No PC124991

Client ROLTON GROUP Group Group Ground Level 42.45 m OD

Sampling			Prope			Strata	1								Scale 1:	50
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion							Depth	Legend	Level m OD
	F													F		
	[E		
	-													‡		
	_													_		
1.20-21.65	- U120	1.50	125	28		At 21	L.20m, 1	nigh stre	ength					‡		
	E	(DRY)												E		
1.65	- - D													‡		
	F													‡		
	E													E		
														<u> </u>		
	-													<u> </u>		
2.70-23.15	D	1.50 (DRY)			S32									‡		
	F	, - ,												F		
	-													ţ		
	F													‡		
	Ė													Ė		
														E		
4.20-24.50	- U130	1.50												<u> </u>		
4.50	_ D	(DRY)												‡		
4.50	- "											_	_	F		
	E					close	ely spac	n, fissur ced polis	res sub shed wi	horizo: th an (ntal an occasio	d extre	emely .t	Ē		
	_					dusti	ing.									
	-													‡		
	F													Ė.		
25.70-26.15	D	1.50			s30									Ē		
	L	(DRY)														
	Ļ													<u> </u>		
	F													ŧ		
	E													<u> </u>		
	Ļ					Dala.	- 27 00-							‡		
	F					rando	omly or	n, fissum ientated,	, smoot	h, dul	l and c	lean.	iing	<u> </u>		
	E					At 27	7.40m, v	ery high	n stren	gth				Ē		
27.40-27.85	_UT110	1.50 (DRY)	165	26										F		
27.85	D	, ,												‡		
	F -													Ė.		
	E													<u> </u>		
	-													‡		
	ļ													‡		
9.00-29.45	_ D	1.50			s33									E		
	Ļ	(DRY)												ţ		
	-													‡		
	-													F		
														<u> </u>		
30.00	_ D							Er	nd of B					30.00		12.4
Boring					Progre		Donth 1-			Grour	ndw at e		in	Donth	Dome	ke en
Pepth Hole Dia		Technique	€	Crew	Depth of Hole	Cased	Depth to Water	Date	Time	Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remar Ground	
	1															
J																

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Figure

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Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON PC124991

Client ROLTON GROUP

Hole	Depth	Level	Туре	SWP	Seating	g Drive		Test	Drive		SPT 'N' Value	ı	Jncor	recte 'N'	d SPT	•
	m bgl	m OD	, , , , , , , , , , , , , , , , , , ,	(mm)	0-75 (mm)	75-150 (mm)	0-75 (mm)	75-150 (mm)	150-225 (mm)	225-300 (mm)	value	10	20	30	40	50
BH1	1.20	41.25	S	-	1	1	1	2	2	2	7	*	1		1	1
BH1	3.90	38.55	S	-	1	1	2	10	6	5	23		*			
3H1	7.00	35.45	S	-	2	3	3	3	4	5	15	*	.			1
3H1	9.80	32.65	S	-	3	3	4	5	5	6	20	1	*	i	i	i
3H1	12.80	29.65	S	-	3	3	5	5	8	9	27	1	i	*	i	İ
3H1	16.70	25.75	S	-	5	6	6	9	6	8	29	1	1	*	i	1
3H1	19.70	22.75	S	-	5	5	7	8	9	9	33	ı	-	*	ı	1
3H1	22.70	19.75	S	-	5	6	7	8	8	9	32	ı	1	*	i	1
3H1	25.70	16.75	S	-	6	6	6	7	8	9	30	1	1	*		1
BH1	29.00	13.45	S	-	7	7	8	8	8	9	33		1	*	1	-
													 		 	1 1 1 1 1 1 1

Remarks

In accordance with BS EN ISO22476-3:2005



^{/-} Blows/penetration (mm) after seating

^{-*/-} Total blows/penetration (mm)

SWP Penetration under own weight (mm)

S - Standard Penetration Test (SPT)

C - SPT with cone

L - Split Spoon with liner used

BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer **Borehole** BH2 ROLTON GROUP Project No PC124991

Client ROLTON GROUP Ground Level 43.45 m OD

	ON GROUE	•											Ground	Level 4		m OD
Sampling			Prope			Strata	а								Scale	1:50
Depth	Sample Type	Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion							Depth	Legend	Level m OD
0.20 0.50	-						ac. ** E GROUNI	D]					,	G.L. 0.08	3	43.45 43.37 43.15
0.30- 0.50 0.30 0.30 0.50- 1.00	– D – E						rete. * : E GROUNI							0.50		42.9
0.50 1.00 1.00 1.10 1.20- 1.65	_ D _ D - E - D	1.20			S6	sligh angui conci	ntly cla lar to s	mottled ayey very subangula d clinker D]	grave r fine	lly sa	nd. Gr	aveli		1.00		42.4
2.00 2.00	- - - - D - E	(DRY)				sandy fine	gravel	rown mott lly clay. rse clink D]	Grav	el is	angular	to ro		2.00		41.4
2.70- 3.15	- - - - U50	1.50 (DRY)	55	33		sandy angui quari [MADI	gravel lar to s tzite, l E GROUNI	h brown m lly sligh subrounde brick and D] ecoming s	tly or d fine clink	ganic to co	clay. G arse fl	ravel			0.0.0	
3.15 3.20- 3.60	- - D - В	(===,				Soft sligh angui quart	greyish ntly san lar to s	h brown m ndy sligh subrounde	ottled tly gr d fine	bluis	h grey	Gravel	is	3.15	5	40.30
	- - -					Firm	brown r	mottled b	luish	grey s	lightly	sandy	CLAY.	 -		
4.20- 4.65	- D	1.50 (DRY)			s13	some Fissu rando stain	sand and and and and and and and and and	ed brown nd fine g e extreme ientated, nge. , thinly	ravel ly to smoot	sized very c h, dul	gypsum losely l and c	crysta spaced ccasio	ls.			
5.70- 6.15 6.15	- U70 - D	1.50 (DRY)	96	31		blue	grey st	issures s taining. igh stren	_	y poli	shed wi	th lig	ht	- - - - - - - - - - - - - - - - - - -		
	- - -					Belov	v 7.00m	, becomin	g stif	f.				<u> </u>		
7.20- 7.65	- р	1.50 (DRY)			s17											
8.70- 9.00 9.00	D D	1.50 (DRY)				brown	n in col					_	_			
9.20- 9.50	- B - - - -							ecovered ravel siz								
Boring		1			Progre						ndw ate			+	+ +	
Depth Hole Dia		Technique	e	Crew	Depth of Hole		Depth to Water	Date	Time	Depth Struck		Rose to	Mins	Depth Sealed		arks on ndwater
1.20 20.00 0.15	Inspect Cable I	tion Pit Percussi		DC DC	G.L. 20.00	1.50	DRY	20/08/12 20/08/12							None en during	countered boring.
Pemarke FI	Inches	tion nit	, hand a			1 20m a	lonth () E bourg	hwaale	ing ou	t gongy					

Remarks
Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions

Remarks

All dimensions

All mensions

All limensions

All dimensions Logged in accordance with BS5930:1999 + A2:2010 are in metres.

Logged by Figure

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Project BACTON LOW RISE, GOSPEL OAK, NORTH Engineer ROLTON GROUP BOrehole Project No PC124991

Client ROLTON GROUP Ground Level 43.45 m OD

Depth Sample Cased & Strength W % SPT N Description 10.20-10.65 D 1.50 (DRY) S24 Below 10.20m, light bluish grey mottling absent.	Legend Legend
10.20-10.65 D 1.50	
At 11.60m, recovered as angular to subrounded fine to coarse gravel sized fragments of light grey	
1.80-12.25 U90 1.50 claystone.	
(DRY)	
Below 12.25m, fissures becoming very closely spaced, randomly orientated, smooth, dull and with	
a slight silt dusting.	<u> </u>
3.30-13.75 D 1.50 S31	
- (DRY)	
4.80-15.25 U95 1.50	
(DRY)	
Below 15.25m, with rare fine to medium gravel sized shell fragments, fissure spacing increasing and	
silt dusting absent.	
6.30-16.75 D 1.50 S29	
[(DRY)	
At 17.80m, recovered as angular to subrounded fine to coarse gravel sized fragments of light grey	
8.00-18.45 UT125 1.50 Claystone.	
‡ `´	
3.45 D At 18.70m, recovered as angular to subrounded fine	
8.70 - D to coarse gravel sized fragments of light grey claystone.	
<u> </u>	
9.50-19.95 D 1.50 S36 CDRY)	
ļ ` ´	
End of Borehole	2
oring Progress Groundwater	Dome 2
epth Dia Technique Crew Depth Depth Depth Depth Depth Depth Struck Depth Cased Water Date Time Depth Cased Rose to Mins Sealed	Remarks or Groundwate
emarks R	d by co
nbols and Figure	

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

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ProjectBACTON LOW RISE, GOSPEL OAK, NORTH LONDONProject NoPC124991

Client ROLTON GROUP

Hole	Depth	Level	Type	SWP	Seating	g Drive		Test	Drive		SPT 'N'		Unco	orrecte	d SP1	Γ
	m bgl	m OD)	(mm)	0-75 (mm)	75-150 (mm)	0-75 (mm)	75-150 (mm)	150-225 (mm)	225-300 (mm)	Value	1	0 20	'N'	40	50
3H2	1.20	42.25	S	-	1	1	2	1	2	1	6	*		 	[[]	1
3H2	4.20	39.25	S	-	1	2	3	3	3	4	13		*		!	!
3H2	7.20	36.25	S	-	2	3	4	4	4	5	17		*		1	
BH2	10.20	33.25	S	-	3	4	4	7	7	6	24		<u> </u>	*		<u> </u>
3H2	13.30	30.15	S	-	3	5	8	8	6	9	31			*	i	i
3H2	16.30	27.15	S	-	2	5	5	7	8	9	29			*	1	
3H2	19.50	23.95	S	-	4	7	7	8	9	12	36		I I		*	1
Driller			David	Cowling			Remar	ks								
Hammer No.			EQU4	136			Equipm 22476-3		ked and c	alibration	carried out i	n acco	ordance	e with E	SS EN	ISO
Energy Ratio	, Er (%)		74.00													
J,				/2012												

^{-/-} Blows/penetration (mm) after seating



^{-*/-} Total blows/penetration (mm)

SWP Penetration under own weight (mm)

S - Standard Penetration Test (SPT)

C - SPT with cone

L - Split Spoon with liner used

BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer **Borehole** BH3 ROLTON GROUP Project No PC124991

Client Ground Level 43.78 m OD

Client		N GROUE	,											Ground	Level		m OD
Sampli	ng			Proper			Strata	a								Scale	1:50
Depth		Sample Type	Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion							Depth	- C	III OD
								alt. **	.,						G.1		43.78 43.71
0.30 0.50		_ D						ete. *							, o.,	40	43.38
0.30								GROUNI							Œ		
1.00		_ E					grave to co	elly cla parse b	brown mo ay. Grave rick, con	l is a	ngular	to sub	rounde	d fine	<u> </u>		} } !
1.20-	1.65	D	NIL (DRY)			S10	-	GROUNI	-	1		-14-14	1	1 1	1.:	30 × _	42.48
		- - -					CLAY.	Grave	brown sl l is angu t and qua	lar to					F	x	
2.00		_ Е													F	× _	
		-													ţ	×	
		-					Firm	to sti	ff fissur	ed bro	wn mot	tled bl	uish q	rev	2.	50 ×	41.28
2.70-	3.15	U30	NIL (DRY)	72	31		CLAY	Fissu	res are e domly ori	xtreme	ly to	very cl	osely -	_	F		<u> </u>
		-	, ,				sligh	nt silt	dusting edium str	and oc	casion	al oran	ige sta:	ining.	F		<u>-</u> i:
3.20		D						,		-					Ė		∃ []
		F													F		∃ []
		Ė													Ė		<u>-</u> [[]
		-					Belov	7 4.20m	, becomin	g thin	ly lam	inated	in plac	ces.	<u> </u>		<u>-[]</u>
4.20-	4.65	D	2.50 (DRY)			S15									Ē		<u>-</u>
		-													F		<u>-</u>
		<u> </u>													Ē		<u>-[]</u>
		-													F		
		Ē													Ę		
F 50	c 1-	-	2												Ė		
5.70-	0.15	U40	2.50 (DRY)												E		
6 30		<u> </u>							ecoming s						F		
6.20		D					occas	eronal (orange st	aining	on fi	ssure S	uriaces	•	F		
		Ė													Ė		_}}
		-													‡		
7.20-	7.65	- - р	2.50			S21									F		
,.202		ļ -	(DRY)												‡		
		Ē													F		
		Ŀ													Ł		
		_													F		
		Ė													Ė		
8.70-	9.15	- U70	2.50												‡		
		L	(DRY)												E		
9.20		- - D					in co	lour.	, becomin Orange st						‡		
		E					abser			_					E		
		ļ.													‡		
															E		
Boring						Progre						ndw ate					
Depth	Hole Dia		Technique	e	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck		Rose to	in Mins	Depth Sealed		emarks on oundwater
1.20 30.20	0.15		ion Pit Percussi		CR/PJ CR/PJ	G.L. 7.20			16/08/12 16/08/12	18:00							encountered g boring.
						7.20 30.20	2.50 2.50		17/08/12 17/08/12								-
Demark		Tm a:= -: '		h 3			1 20										

Remarks Inspection pit hand excavated to 1.20m depth.

** Drillers description.

Symbols and abbreviations are explained on the accompanying key sheet.

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions Logged in accordance with BS5930:1999 + A2:2010 are in metres.

key sheet.

Figure

1 of 4 20/09/2012

SC/CO

Logged by

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Project BACTON LOW RISE, GOSPEL OAK, NORTH Engineer ROLTON GROUP BOrehole Project No PC124991

Client ROLTON GROUP Ground Level 43.78 m OD

Sampling	N GROUE		Prope	ties		Strata	а								3.78 Scale 1	m OD :50
Depth	Sample	Depth Cased & (to Water)		W	SPT N	Descrip								Depth	Legend	Level m OE
эсрии	Type	(to Water)	kPa	%		Descrip	7(1011							Ворин	Logona	m OE
0.20-10.65	- D	2.50			S41	Betwe	en 10.2	0-10.65 arse cla Iriller i	n, reco	vered v	vith su	bangula	r	F		
0.20-10.65		(DRY)			541	At 10	0.30m, d	lriller i	notes t	hin mu	lstone	band.		<u> </u>		ž
	_													ļ.		3
	F													‡		X
	_													_		3
	F													F		
	E													E		
1.70-12.15	- U70	2.50												‡		
1.70-12.13	0,0	(DRY)												‡		3
	_													F		
2.20	D													‡		X
	Ē													Ē		
														E		×
	_													L		
3.20-13.65	- D	2.50			s29	Belov	v 13.20m sional s	n, becomi	ing dar Lings.	k grey	in col	our and	l	‡		×
	ļ -	(DRY)				33000		5 Puz						‡		
	-													F		
	F													F		3
	<u> </u>													E		
	_													<u> </u>		X
	_													<u> </u>		
4.70-15.15	- U80	2.50												‡		X
	-	(DRY)												‡		
- 00	F _													F		
5.20	D													[
5.50	_ D													<u> </u>		×
	-													ļ		
	<u> </u>													<u> </u>		
6.20-16.65	D	2.50			S27									Ē		
	_	(DRY)												L		
	-													‡		
	-													ļ		
	-													F		
	F													F		
	E					At 17	7.50m, d	lriller ı	notes t	hin muc	istone	band.		F		}
7.70-18.15	_ U80	2.50 (DRY)												‡		
	_	(DRI)												_		3
8.20	- D													F		
	L													Ł		
	<u> </u>													‡		
	 -													‡		3
0 20 10 ==					a22									F		
9.20-19.65	- D	2.50 (DRY)			S38									E		
	_													 		
	<u> </u>													‡		}
	<u>L</u>													<u> </u>		
oring			ļ		Progre	ess				Grour	idw ate	r				
epth Hole Dia		Technique	9	Crew	Depth of Hole	Depth	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed		rks on dwater
· Dia		.1		-	от поте	Cased	vvalei			SHUCK	Cased		IVIIIIS	Sealeu	Groun	uwaler
					1					ĺ						

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Figure

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Borehole Project No Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer BH3 ROLTON GROUP PC124991

Client ROLTON GROUP Ground Level 43.78 m OD

Sampling			Prope	rties	l	Strata	а								Scale 1:	50
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	n w %	SPT N	Descrip	otion							Depth	Legend	Leve m Ol
	-													-		
	Ė													Ė		
0 70 21 15	-	2 50												Ė		
0.70-21.15	_ U80 _	2.50 (DRY)												-		
1.20	- р													F		
														Ē.		
	_													Ī		
	<u>-</u>													<u> </u>		
2.20-22.65	D	2.50 (DRY)			43									-		
	Ē	(5111)												ļ.		
	-													Ė		
	-													-		
	<u>-</u>													<u> </u>		
3.70-24.15	- - U85	2.50												Ē.		
	_	(DRY)														
1.20	D					Below occas	v 24.20m sionally	n, fissur subhori sionally	res bec izontal	oming n	andoml	y orien spaced	tated '	Ė		
	_					smoot	th, occa	sionally	y polis	hed wit	h blac	k mottl	ing.	-		
	-													Ī.		
	_													-		
5.20-25.65	D	2.50 (DRY)			S50/ 295									Ė		
	Ę	, ,												F		
	-													Ī		
	-													F		
	_													Ė		
6.70-27.15	- U85	2.50												-		
	_	(DRY)												<u> </u>		
7.20	D													ļ		
	-													<u> </u>		
	-													ļ.		
	F _													F		
8.20-28.63	D D	2.50 (DRY)			S50/ 280									Ę		
	_ _ _													Ē		
	_													_		
	E													Ė		
	<u> </u>													-		
9.70-30.15	U100	2.50 (DRY)												F		
	-	(2)												-		
oring Hole	1		!	1	Progre	ess Depth	Denth to				Depth		in	Depth	Remar	ks on
epth Dia		Technique	e	Crew	Depth of Hole	Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	Mins	Sealed	Ground	
emarks 🚜					1					<u> </u>				Local	ged by s	c/co

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Figure

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Cable Percussion **BOREHOLE RECORD** -

Borehole Project No BH3 PC124991 BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer ROLTON GROUP

Client ROLTON GROUP Ground Level 43.78 m OD

Sampling	ON GROUP		Proper	ties		Strata	a							LCVCI 43	Scale	1:50
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion							Depth	Legend	Level m OD
30.20	 - - D					At 30 space occas	0.20m, i ed, subb sional b	fissures norizonta plack mo	become al, smo ttling.	extremoth, du	mely cl ull and	osely clean	with	30.20		13.58
	_ - -							Eı	nd of B	orehol	9			<u> </u>		
	<u>-</u>													_		
	- - -													<u> </u>		
	<u>-</u>													Ė		
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	<u>-</u>															
Boring					Progre	ess				Grour	ndw ate	r				1
Depth Hole Dia		Technique	Э	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased		in Mins	Depth Sealed	Rema Groun	arks on ndwater
Remarks Remarks			, i									·		Logg	ed by	sc/co

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Figure

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Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Project No

Client ROLTON GROUP

Hole	Depth	Level	Type	SWP	Seating	g Drive		Test	Drive		SPT 'N'	u	Incor		d SPT	-
	m bgl	m OD		(mm)	0-75 (mm)	75-150 (mm)	0-75 (mm)	75-150 (mm)	150-225 (mm)	225-300 (mm)	Value	10	20	'N'	40	50
H3	1.20	42.58	S	1	1	-	2	1	3	4	10	*	1	 	 	
внз	4.20	39.58	S	-	1	3	3	3	4	5	15	*	-	i	-	
H3	7.20	36.58	S	-	3	3	4	5	6	6	21		*			
внз	10.20	33.58	S	-	3	10	10	9	10	12	41		İ		*	i
внз	13.20	30.58	S	-	4	5	6	7	7	9	29	1		*		1
H3	16.20	27.58	S	-	4	5	5	7	7	8	27		1	*	l I	1
H3	19.20	24.58	S	-	4	5	8	8	10	12	38	ı			*	
H3	22.20	21.58		-	5	8	10	9	10	14	43	ı	1		*	
3H3	25.20	18.58	S	-	6	10	12	14	11	13/70	50/295	i		-		>
3H3	28.20	15.58	S	-	5	10	14	14	15	7/55	50/280	1				>
Driller			Chris	Rainsbu	ıry		Remar					1		-		I
lammer No			SDS0	14			Equipm 22476-		ked and d	alibration	carried out ir	accorda	ance	with E	S EN	ISO
nergy Ration	o, Er (%)		81.00													
	Date		12/02	/2012												

^{-/-} Blows/penetration (mm) after seating



PC124991

^{-*/-} Total blows/penetration (mm)

SWP Penetration under own weight (mm)

S - Standard Penetration Test (SPT)

C - SPT with cone

L - Split Spoon with liner used

Cable Percussion **BOREHOLE RECORD** -

BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer **Borehole** BH4 ROLTON GROUP Project No PC124991

Client Ground Level 41.65 m OD

ampling			Prope	rties		Strata	a								Scal	e 1:5	0
epth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion							Depth	n Leg	end	Level m O[
	F						ac. **							_ G.1	LO 🔆		41.
0.30- 0.60	В					[MADI	E GROUN						/	0.:	0.0		41.
0.30 0.30	_ D - E						rete wi	th reinfo D]	rcing.	**				<u> </u>			
1.00	- - - D							brown, lo						_			
l.00 l.10	- E D					carbo	naceou	pockets (s deposit	s. Gra	vel is	angula	r to		1.:		· · ·	40.
1.20- 1.65	D	1.20 (DRY)			S9	calca	areous	fine to m siltstone ADE GROUN	•	quartz	ite, fl	int and		Ė			
	<u>-</u> -							riller no		esence	of cla	ystone.		L E			
2.00 2.00	— D					bluis	sh grey	laminate	ge bro	wn moti	tled sl	ightly	sandy	2.0	00 -		39.
	[-							avelly CL fine to m						<u> </u>			
2.70- 3.15	- U40	1.20	67	34		mott:	Led CLA	locally b Y, thinly	lamin	grey an ated in	nd oran n parts	ge brow •	m	<u> </u>			
	<u>-</u>	(DRY)						edium str , fissure	_	raro r	modium	+o goar	250	<u> </u>	-		
.15	D					sand	sized	gypsum cr ced and r	ystals	. Fissu	ures ar	e extre		 			
	<u> </u>									_				F			
	<u>-</u>													I F			
.20- 4.65	- D	1.50			S11									F	-		
	<u> </u>	(DRY)												Ę F	-		
	<u>-</u> -													‡	-		
	_													<u> </u>			
	<u>-</u> -													‡			
.70- 6.15	- - บ70	1.50												Ė		-	
	<u>-</u>	(DRY)							_					<u> </u>			
.15	D						w 6.15m ontinui	, polishe ties.	d surf	ace on	some			‡	-		
	_													‡			
	<u>-</u> -													‡ ‡			
.20- 7.65	— - р	1.50			S15									 -			
	_	(DRY)												7.	50		34.
.70- 8.00	В					mica	ceous C	y laminat LAY. Fiss ced rando	ures a	re exti	remely	to very		<u> </u>			
	_							gs on som			ea with	rare w	nite	<u> </u>	-		
	- - -													<u> </u>	-		
.70- 9.15	- - - UT90	1.50												<u> </u>			
	_	(DRY)												_			
. 15	D D							, with oc some sur			k grey	silt		<u> </u>			
.60	- - D							ecovered ravel and						<u> </u>			
	- - -					medi	um stro	ng grey c	alcare	ous sil	ltstone	•		<u> </u>	_		
ring					Progre	266				Grour	ndw ate	r				X	
oth Hole		Technique	e	Crew	Depth of Hole		Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed		Remark Broundy	
.20	Inspec	tion Pit Percussi		DC DC	G.L. 20.00			21/08/12 21/08/12			Caseu		CIIIIVI	Cealed	None	enco	unter
	Cante	. c. cussi	.011	DC	20.00	1.50	DKY	21/00/12	10:00						uuri	ng bo	- + 111 9 .
1																	

Inspection pit hand excavated to 1.20m depth, 0.5 hours breaking out concrete.

Example = 1 x vial, 1 x plastic jar and 1 amber jar

A 50mm standpipe was installed to 5.00m with a geowrapped slotted section from 2.00m to 5.00m with flush lockable protective cover. Backfill details from base of hole: arisings up to 7.00m, bentonite seal up to 5.00m, gravel filter up to 2.00m, bentonite seal up to 0.30m, concrete up to ground level. Figure

All dimensions are in metres. Logged in accordance with BS5930:1999 + A2:2010

abbreviations are explained on the accompanying key sheet.

Symbols and

geolectmics

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20/09/2012

Cable Percussion **BOREHOLE RECORD** -

Borehole Project No Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer BH4 ROLTON GROUP PC124991

Client ROLTON GROUP Ground Level 41.65 m OD

Sampling		Fienth	Proper		T	Strat	<u>а</u>							T	Scale 1:	
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Descri	ption							Depth	Legend	Level m OE
	_													-		
0.20-10.65	D	1.50 (DRY)			S26									E		
	_													F		
	Ī.													E		
	_													+		
	<u> </u>													Ī.		
	-													F		
1.70-12.15	_ U100	1.50 (DRY)												E		
	_													+		
2.15	D													E		
	_													F		
	Ē													<u> </u>		
	_													+		
3.20-13.65	D	1.50 (DRY)			S25									E		
	Ė													Ė		
	Ī.													E		
	-													+		
	_													E		
	_													F		
.70-15.15	0110	1.50 (DRY)												E		
	_					Belo	w 15.15r	n, becom	ing sti	ff to	very st	iff and	grey	+		
.15	D					and	brownish	grey i	n colou	ır.				ŧ.		
.50	_ D													‡		
														Ē		
	-													F		
						Betw	een 16.4	10-16.85	n, with	rare	fine gr	avel si	zed	Ē		
.40-16.85	_ D	1.50 (DRY)			S31	shel on s	l fragme ome disc	ents and	rare o	range l	orown s	ilt dus	tings	+		
	Ĺ													Ē		
	_													+		
	Ė													Ē		
	_													+		
	Ē													Ė		
.90-18.35	_UT110 -	1.50 (DRY)												+		
.35	D					fine	to coar	n, with orse grave	occasio el size	nal and	gular t areous	o subro siltsto	unded ne /	ŧ		
	_					muds	tone.							F		
	_													Ė		
	F													+		
	Ė													ŧ		
.50-19.95	_ D	1.50 (DRY)			S38									‡		
	Ė													ŧ .		_
								Eı	nd of E	orehole				20.00		21.
oring Hole	1		,		Progre		Depth to			Grour Depth	ndw ate Depth	1	in	Depth	Remar	ks on
pth Dia		Techniqu	е	Crew	of Hole	Cased		Date	Time	Struck	Cased	Rose to	Mins	Sealed	Ground	
marks 🚜						•	•		*		•	•		Logg	ged by	IT/CO
ools and														Figu	re 2	of 2

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

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Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Project No

Client ROLTON GROUP

Hole	Depth	Level	Туре	SWP	Seating	g Drive		Test	Drive		SPT 'N' Value		Unco		d SP1	•
	m bgl	m OD	,,	(mm)	0-75 (mm)	75-150 (mm)	0-75 (mm)	75-150 (mm)	150-225 (mm)	225-300 (mm)	value	10	20	30 'N'	40	50
3H4	1.20	40.45	S	-	1	1	2	2	2	3	9	*	 	 	 	1
3H4	4.20	37.45	S	-	1	2	2	3	3	3	11	*	-	!	!	-
3H4	7.20	34.45	S	-	2	3	3	4	4	4	15		*	-	-	Ţ
3H4	10.20	31.45	S	-	3	4	6	6	7	7	26		-	*	-	1
3H4	13.20	28.45	S	-	3	4	6	6	6	7	25		<u> </u>	*	- 	i
3H4	16.40	25.25	S	-	3	5	7	7	7	10	31	-	i	*	<u> </u>	i
3H4	19.50	22.15	S	-	3	10	8	9	10	11	38	-		i	*	
Driller Hammer No. Energy Ratio Calibration D	, Er (%)		David EQU4 74.00 23/03		J		Remarl Equipm 22476-3	ent check	ked and c	alibration	carried out in	n accor	dance	with E	SS EN	ISO

^{-/-} Blows/penetration (mm) after seating



PC124991

^{-*/-} Total blows/penetration (mm)

SWP Penetration under own weight (mm)

S - Standard Penetration Test (SPT)

C - SPT with cone

L - Split Spoon with liner used

Properties

Sampling

BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer **Borehole** BH5 ROLTON GROUP Project No PC124991

Strata

Client Ground Level 44.75 m OD ROLTON GROUP

Scale 1:50

Figure

1 of 4

20/09/2012

وعماوطسأنع

epth		Sample	Depth Cased &	Strength		SPT N	Descrip	ntion							Depth	Legend	Leve
ории		Туре	(to Water)	kPa	%		Describ	,OII							G.L.	Legenu	m O
ე.30-	0.90	— - - В						ac. ** E GROUNI	D]						0.05		44.
0.30 0.30	3.70	- B - D - E						cete. *:						/	Ţ 0.30		
0.90- 0.90 0.90	1.20	- - - - B - D - E	1.20			S 6	Soft roots coars	brown :	sandy gra vel is ar k, flint,	gular	to suba	angular	fine t		0.90		43.
.80		D	(DRY)			30	sandy angul Belov	CLAY to s	h brown m with occa subangula , becomir	sional r fine	rootle to med	ets. W dium fl	ith rar int gra	e vel.	- - - -		
.90	2.40	— В - Е	1 50				sligh	itly mio	caceous.								
	2.35	_	1.50 (DRY) 1.50												<u> </u>		
.40-	2.65	_ U43 - -	(DRY)												Ī		
.85		D													<u> </u>		
.20		- - D							ecovered			to sub	angular	•	F		
	3.90	_ B _ D					Below	v 3.30m	, becomin	g stif	f with	occasi	onal fi	rm to	Ī		
		<u>-</u>													Ė		
.90-	4.35	D	1.50 (DRY)			S12	and i	fissured emely c	, becoming. Fissur losely to occasiona	es are	randor closely	nly ori 7 space	entated d, dull		_		
		<u>-</u> -							silt dust			•			<u> </u>		
		<u>-</u>													Ė		
		<u> </u>													<u></u>		
		<u>-</u> -													‡		
40-	5.85	บ78	1.50 (DRY)												Ė		
. 85		- - - D	(1741)						, fissure					ry	<u> </u>		
		- ~ -					22036	, spa	- July Subl	J_ 12011	00		·		<u> </u>		
		-													Ė		
		<u>-</u>													F		
		- - 													<u> </u>		
.90-	7.35	D	1.50 (DRY)			S18									-		
		- - -													Ī		
		- - -													Ė		
		-													‡		
20		— - - р					brown	in co	, becomin	sures	slight	ly poli	shed wi		F		
	8.70	Ė	1.50	76	30		dark	orangi	sh brown igh stren	staini					Ė		
.70		- D	(DRY)												Ė		
90-	9.30	в													_		
		- - -													Ī		
		-													Ė		
		<u>-</u> -													<u></u>		
.90-	10.35	_ D	1.50 (DRY)			S23									<u></u>		
ring	Ного			-	-	Progre		Donth t-				dwate	1	in	Denth	Domes	ke oo
oth	Hole Dia		Technique		Crew	Depth of Hole	Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remar Ground	lw at er
.20			ion Pit Percussi		DC/LC DC/LC	G.L. 25.50 25.50 30.00	1.50 1.50 1.50	DRY	13/08/12 13/08/12 14/08/12 14/08/12	18:00 08:00						None enco	

** Drillers description.
E sample = 1 x vial, 1 x plastic jar and 1 amber jar
A 50mm standpipe was installed to 5.00m with a slotted section from 2.00m to 5.00m with
flush lockable protective cover. Backfill details from base of hole: gravel filter up to
7.00m, bentonite seal up to 5.00m, gravel filter up to 2.00m, bentonite seal up to 0.30m,
concrete up to ground level.

key sheet. All dimensions are in metres. Logged in accordance with BS5930:1999 + A2:2010

Symbols and

abbreviations are

explained on the accompanying

Cable Percussion **BOREHOLE RECORD** -

Borehole Project No Engineer BACTON LOW RISE, GOSPEL OAK, NORTH LONDON BH5 ROLTON GROUP PC124991

Client Ground Level 44 75

ient ROLTON GROUP ampling	Properties		Strata Ground	Level 4	4.75 m C Scale 1:50	
Pepth Sample Caser Type (to Wa	n Strength w kPa %	SPT N	Description	Depth	Legend	Leve m O
40-11.85 U100 1. (DR	50 156 24		At 11.40m, very high strength At 11.85m, becoming slightly sandy and with occasional shell fragments. Laminae absent.			
2.90-13.35 D 1.		s26	Below 12.95m, with silt partings (up to 1mm in thickness) and occasional silt pockets (up to 1cm in size).			
1.40-14.85 U110 1. CDR			Below 14.85m, with occasional black staining on fissure surfaces.			
5.00-16.45 D 1.		s35				
7.50-17.80 UT120 1. (DR			At 17.50m, thinly laminated. At 17.50m, very high strength			
0.00-19.45 D 1. (DR		S 36		+ - - - - - - - - - - - - - - - - - - -		
-			Below 20.00m, with occasional shell fragments.	-	==::	
oring		Progre		- Dont's	Remarks	
epth Hole Techn		OI FIOIE	Depth Depth to Cased Water Date Time Depth Struck Cased Rose to Mins	Depth Sealed	Groundwa	

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

2 of 4 20/09/2012



Cable Percussion **BOREHOLE RECORD** -

Borehole Project No BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer BH5 ROLTON GROUP PC124991

Client ROLTON GROUP Ground Level 44.75 m OD

Sampling			Prope			Strata									Scale 1	:50
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Descript	ion							Depth	Legend	Level m OE
	_													-		
	E													E		
20.50-20.80	_บ130	1.50												Ē		:
	E	(DRY)												E	:	
0.80	D													E		:
	E															1
	<u> </u>													L		;}
	_													<u> </u>		•
	<u> </u>													L		}
22.00-22.45	_ D	1.50			S34									<u>L</u>		
	_	(DRY)												‡		:
	_													<u> </u>		
	_													<u> </u>	<u> </u>	:]
	_													‡		
														L	 :	:
	-													‡		-
12 E0 22 0E	**120	1.50	87	28		74 22	E0		1	£:		-:		‡		
23.50-23.95	-0120	(DRY)	87	28		fragm	ents.	with occa		Ilne o	gravei	sizea s	snell	F		:]
	Ē					At 23	.50m, h	nigh str 95-26.62	ength n. fiss	ures o	rcasion	allv		‡		
23.95	_ D					polis			,			1		<u> </u>		}
	-													‡		
	Ē													Ī		:
	-													F		
	Ē													F		:
25.00-25.45	_ D	1.50			S48									F		
	Ē	(DRY)												F		:]
	Ē													Ī		
	Ē													F		1
	E													E		-
														F		-
	<u> </u>													L		.]
26.40-26.60	UTF	1.50				At 26	.60m, ć	driller :	notes p	resence	e of cl	aystone	•	L		
26.50-26.60	- 130 - D	(DRY)				bould	er.							<u> </u>		:}
26.60-27.50	В	1 50			C50*/1									<u> </u>		
26.80-26.80	_	1.50 (DRY)			C50^/I									<u> </u>		
	-													‡		
	_													<u> </u>	:	:
	-													‡		
28.00-28.50	В													Ţ.		:]
8.00	- D	1												F		-]
28.00-28.45	UF100	1.50 (DRY)												F		-
8.50-28.95	D	1.50 (DRY)			S51									[:]
	_													<u> </u>		
	<u>L</u>													<u></u>		:
	<u> </u>													‡	:]
29.50-29.95	11120	1.50	17	28		7+ 20	E0	extremely	, ,,,,,,,	1,, 41-	211203	rond	••	‡		:1
.9.50-29.95	_0130	(DRY)	17	20		orien	tated a	and open	(possi	bly af:			- У	<u> </u>		
	-					distu:	rbance .95m, F	during : Tissures	samplin become	g) subho:	rizonta	al and		‡		:
29.95	_ D					extre	mely cl	losely spread to the second se	paced.			-		30.00		14.7
Boring					Progre		.50m, v	ery row	streng		ndwate	r				
epth Hole Dia		Technique)	Crew	Depth of Hole		Depth to Water	Date	Time	Depth Struck		Rose to	in Mins	Depth Sealed		rks on dwater
					2					2	23.000			, , , , , , , , , , , , , , , , , , , ,	2.0411	
	l				1			Ì	1	1	1					

specimen and disturbance during sampling.
At 26.40m, UT sample shoe damaged.

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Figure 3 of 4



Borehole Project No Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer BH5 ROLTON GROUP PC124991

Client ROLTON GROUP Ground Level 44.75 m OD

ampling			Prope			Strata									Scale 1	
epth	Sample Type	Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion							Depth	Legend	Level m OI
	-							Eı	nd of B	orehole	e			30.00		14.7
	Ė													ĖI		
	F													<u> </u>		
	Ė													Ė I		
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ring					Dro ~ ~	200				<i>C</i> *******	duct-	r				
ring	9	Tax 6 - 2		0	Progré Depth	Depth	Depth to	D.:	т		Depth		in	Depth	Rema	ks on
oth Dia		Technique	e	Crew	Depth of Hole	Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	Mins	Depth Sealed	Groun	dwater
1				ĺ	1					I				1		

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres. Logged in accordance with BS5930:1999 + A2:2010 Figure

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Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Project No

Client ROLTON GROUP

Hole	Depth	Level	Type	SWP	Seating	g Drive		Test	Drive		SPT 'N'		Unco	rrecte	ed SP	Т
	m bgl	m OD		(mm)	0-75 (mm)	75-150 (mm)	0-75 (mm)	75-150 (mm)	150-225 (mm)	225-300 (mm)	Value	10	20	'N' 30	40	50
3H5	1.20	43.55	s	-	1	-	1	1	2	2	6	*		 		1
BH5	3.90	40.85	S	-	2	3	3	3	3	3	12		k			
BH5	6.90	37.85	S	-	2	3	4	4	5	5	18		*			
BH5	9.90	34.85	S	-	4	4	4	6	6	7	23		į,	*		İ
3H5	12.90	31.85	S	-	3	4	6	6	7	7	26	1	1	*	<u> </u>	İ
3H5	16.00	28.75	S	-	6	8	8	9	9	9	35	1	1	1	*	1
BH5	19.00	25.75	S	-	6	7	8	9	9	10	36			1	*	
BH5	22.00	22.75	S	-	6	8	8	8	9	9	34			*		-
3H5	25.00	19.75	S	-	8	8	10	11	13	14	48		1	1	1	*
3H5	26.80	17.95	С	-	50/1						50*/1			1		>
 BH5	28.50	16.25	S	-	6	7	11	11	13	16	51	1		1	1	*
Driller			David	Cowling)		Remark	ks							DC EN	1100
Hammer No	•		EQU ²	136			Equipm 22476-		kea and c	alibration	carried out i	n accc	raance	with	R2 FV	1150
Energy Ration	o, Er (%)		74.00													
	Date		00/00	/2012												

^{-/-} Blows/penetration (mm) after seating



PC124991

^{-*/-} Total blows/penetration (mm)

SWP Penetration under own weight (mm)

S - Standard Penetration Test (SPT)

C - SPT with cone

L - Split Spoon with liner used

BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer **Borehole** BH6 ROLTON GROUP Project No PC124991

Client ROLTON GROUP Ground Level 43.13 m OD

Sampling	ON GROUE		Prope	rties		Strata	Level 4:	Scale 1:	n OD 50
Depth	Sample Type		Strength		SPT N	Description	Depth	Legend	Level m OD
		(to Water)	Kra	70		Concrete slab. ** [MADE GROUND]	G.L. 0.17	β. ° ° Δ ·	43.13 42.96
0.30 0.50	E D					Brick fill. ** [MADE GROUND]	0.50		42.63
1.00	- - - E					Soft brown mottled bluish grey and black slightly sandy slightly gravelly clay. Gravel is angular to subrounded fine to medium quartz, flint, brick and	<u> </u>		
1.20- 1.65	- D	NIL (DRY)			S9	clinker. [MADE GROUND] Stiff brown mottled bluish grey CLAY.	1.20		41.93
2.00	_ D								
	<u> </u>						<u> </u>		
2.70- 3.15	U40 	NIL (DRY)	82	32		At 2.70m, high strength	<u> </u>		
3.20	D					Stiff fissured brown mottled bluish grey and orange CLAY, thinly laminated in parts. Fissures are	3.20		39.9
						extremely to very closely spaced, randomly orientated, dull and clean with occasional orangish brown staining.	<u> </u>		
4.20- 4.65	_ D	2.50 (DRY)			s18		<u> </u>		
							<u> </u>		
	Ē						 		
5.70- 6.15	_ 	2.50 (DRY)					<u></u>		
6.20	_ D					At 6.20m, with a little sand and fine gravel sized gypsum crystals.	<u> </u>		
	<u></u>						<u></u>		
7.20- 7.65		2.50			S24	Below 7.20m, becoming dark greyish brown with occasional fine to coarse gravel sized pockets of	<u> </u>		
	-	(DRY)				grey silt.	<u> </u>		
	<u> </u>						_		
8.70- 9.15	- - - U50	2.50					<u> </u>		
9.20		(DRY)				Below 9.20m, becoming dark brownish grey in colour.	<u> </u>		
9.20	-						<u> </u>		
	Ė						<u> </u>		
Boring Hole			!		Progre Depth	Donth Donth to	Depth	Remar	ks on
Depth Dia		Technique		Crew	of Hole	Cased Water Date Time Struck Cased Rose to Mins	Sealed	Ground	dwater
1.20 19.65 0.15		ion Pit Percussi		CR/PJ CR/PJ	G.L. 19.65	2.50 DRY 20/08/12 08:00 18:00		None ence	
)	Tasasat	ion nit	hand	011001101	04 +0	.20m depth.			

Remarks Inspection pit hand excavated to 1.20m depth.

** Drillers description.

Symbols and abbreviations are

Backfill details from base of hole: arisings up to ground level.

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Logged by

Figure

1 of 2 20/09/2012

СО



Cable Percussion **BOREHOLE RECORD** -

Borehole Project No Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer BH6 ROLTON GROUP PC124991

Client ROLTON GROUP Ground Level 43.13 m OD

ampling			Prope	rties		Strata	1								Scale 1:	:50
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	n w %	SPT N	Descrip	tion							Depth	Legend	Level m OD
0.20-10.65		2.50			s23	At 10).20m, w	ith rar	e fine	gravel	sized	shell		<u></u>		
0.20-10.65	۳ -	(DRY)			523	iragm	ents.							‡		
	[E		
	<u>E</u>													Ł		
	<u>-</u>													‡		
	Ē													E		
1.70-12.15	- - U55	2.50												‡		
		(DRY)												<u>E</u>		
2.20	- D					Below a sil	7 12.20m .t dusti	, fissu ng.	res bec	oming o	closely	spaced	l with	‡		
	E													E		
														Ė		
	_													<u></u>		
3.20-13.65	D	2.50			s32									E		
	F	(DRY)												‡		
	<u>-</u>													Ę.		
	-													<u> </u>		
	<u> </u>													Ę.		
	-													Ė		
4.70-15.15	<u> </u>	2.50 (DRY)												ļ.		
	-	(2)				Below	7 15.20m	, becom	ing ver	v stif:	f. Fiss	ures		<u> </u>		
5.20	D					becom	ing occ	asional absent	ly poli	shed w	ith bla	ck mott	ling,	‡		
	_													F		
	_													Ė		
	-													<u> </u>		
6.20-16.65	- D	2.50 (DRY)			S31									Ē		
	-													F		
														Ē.		
	-													F		
	<u> </u>													Ę.		
7.70-18.15	_ - U75	2.50												Ė		
,.,0-10.13	- 0/3	(DRY)												‡		
8.20	— - D													F		
	-													‡		
	<u> </u>													E		
	Ė													E		
9.20-19.65	- р	2.50			s37									‡		1
	E	(DRY)												E		
	F							E	nd of B	orehol	е			19.65		23.4
	E													E		
oring					Progre						ndw ate	r				
epth Hole Dia		Techniqu	е	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed		rks on dwater
											1	1				

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Figure

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ProjectBACTON LOW RISE, GOSPEL OAK, NORTH LONDONProject NoPC124991

Client ROLTON GROUP

Hole	Depth	Level	Туре	SWP	Seating	g Drive		Test	Drive		SPT 'N'		Unco		d SP1	Г
	m bgl	m OD	,,,,,	(mm)	0-75 (mm)	75-150 (mm)	0-75 (mm)	75-150 (mm)	150-225 (mm)	225-300 (mm)	Value	10	20	'N'	40	50
H6	1.20	41.93	S	-	1	1	2	2	2	3	9	*-		1		
H6	4.20	38.93	S	-	2	3	4	4	5	5	18		*			
H6	7.20	35.93	S	-	2	4	5	6	6	7	24		*			
H6	10.20	32.93	S	-	3	4	5	6	5	7	23		*	i	i	İ
BH6	13.20	29.93	S	-	3	5	6	8	8	10	32		 	*	 	1
BH6	16.20	26.93	S	-	2	4	6	7	8	10	31		 	*	I I	
3H6	19.20	23.93	S	-	4	6	8	8	9	12	37	-			k	-
Driller Hammer No.			Chris	Rainsbu	ıry		Remari Equipm 22476-	ent check	ked and c	alibration	carried out in	n accord	dance	with E	SS EN	IISO
	o, Er (%)		81.00				22410-	J. 2000								
:nerav Katır	-, -: (/0)		100													

^{-/-} Blows/penetration (mm) after seating



^{-*/-} Total blows/penetration (mm)

SWP Penetration under own weight (mm)

S - Standard Penetration Test (SPT)

C - SPT with cone

L - Split Spoon with liner used

BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer **Borehole** BH7 ROLTON GROUP Project No PC124991

Client Ground Level 42.10 m OD ROLTON GROUP

Sampli	ng			Prope	rties		Strata		Scale 1:	50
Depth		Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Description	Depth	Legend	Level m OD
		-	(to water)	Ni α	70		Concrete with reinforcing. ** [MADE GROUND]	G.L. 0.20	р	42.3
0.30 0.30 0.50- 0.50	1.00	- D - B - W - D - E					Brown mottled red, orange and bluish grey very gravelly sand, very clayey in places. Gravel is subangular to subrounded fine to medium brick, clinker, concrete and flint. [MADE GROUND]	0.80	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	41.
1.10 1.30-		D D	1.30 (1.00)			S7	Dark brown mottled black and reddish brown very sandy gravel with a high brick and concrete cobble content and rare fine to medium gravel sized pockets of clay. Gravel is angular to subangular fine to coarse brick, slag concrete and clinker. [MADE GROUND]	1.10		41.
2.00 2.00		— D - E - - -					Firm fissured brown mottled bluish grey CLAY. Fissures are extremely to very closely spaced, randomly orientated, dull and smooth occasionally stained bluish grey.			
2.80-	3.25	U47	1.50 (DRY)	98	32		At 2.80m, high strength	<u> </u>		
3.25		_ _ р	(2.1)				Between 3.25-4.75m, thinly laminated and micaceous.			
4.30-	4.75	D	1.50 (DRY)			S18	Below 4.30m, fissures stained orangish brown.	+ + + + + + + + + + + + + + + + + + +		
5.80- 6.25	6.25	- - - - - - - - - - -	1.50 (DRY)				At 6.25m, becoming stiff and laminated with occasional fine gravel sized shell fragments. Occasionally with silt partings up to lmm thick.			
7.30-		- D	1.50 (DRY)			S22		-		
	9.25	- - - - - - -	1.50 (DRY)	110	29		At 8.80m, becoming very stiff and dark greyish brown. Fissures very closely spaced, slightly polished occasionally stained dark brown. At 8.80m, high strength Below 9.25m, laminae absent.			
Boring		- - - - - - -				Progre	ss (Groundwater	-		
Depth	Hole Dia		Technique		Crew	Depth of Hole	Depth Depth to Cased Water Date Time Struck Cased Rose to Mins	Depth Sealed	Remar Ground	
1.20		Inspect	tion Pit Percussi	,	DC DC	G.L. 10.80 10.80 20.00	1.50 DRY 15/08/12 08:00 0.50 NIL 1.50 DRY 15/08/12 18:00 NIL 15/08/12 18:00 NIL 15/08/12 18:00 NIL 15/08/12 18:00	1.50	Gi Oui IU	

Remarks

Inspection pit hand excavated to 1.20m depth, 0.5hours breaking out concrete.

** Drillers description.

Symbols and abbreviations are explained on the accompanying key sheet.

Inspection pit hand excavated to 1.20m depth, 0.5hours breaking out concrete.

** Drillers description.

E sample = 1 x vial, 1 x plastic jar and 1 amber jar

A 50mm standpipe was installed to 5.00m with a geowrapped slotted section from 2.00m to 5.00m with flush lockable protective cover. Backfill details from base of hole: arisings up to 7.00m, bentonite seal up to 5.00m, gravel filter up to 2.00m, bentonite seal up to 0.30m, concrete up to ground level.

Logged by

Figure

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All dimensions are in metres.

key sheet.

Logged in accordance with BS5930:1999 + A2:2010

Project BACTON LOW RISE, GOSPEL OAK, NORTH Engineer ROLTON GROUP Project No PC124991

Client ROLTON GROUP Ground Level 42.10 m OD

Sampling	ON GROU		Prope	rties		Strata	а							Level 4:	Scale 1:	n OD 50
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	n w %	SPT N	Descrip	otion							Depth	Legend	Level m OD
	_	(to vvater)		,,,										_		111 02
10.30-10.75	- D	1.50			S28									+		
	_	(DRY)												F		
	-													‡		
	_													F		
	_													<u> </u>		
	-													‡		
11.80-12.25	**100	1.50	136	28		34 11		nigh stre						E		
11.60-12.25	_ 0100	(DRY)	136	20		At 1	1.60m, I	iign stre	engtn					<u> </u>		
12.25	D							n, Fissur	e spac	ing in	creasin	g, silt	and	E		
	-					stair	ning abs	sent						<u> </u>		
	<u>-</u> -													Ē		
	_													<u></u>		
														Ė		
13.30-13.75	D	1.50 (DRY)			S31									<u> </u>		
	_													Ė		
														E		
	-													‡		
														E		
	-													‡		
14.80-15.25	U120	1.50 (DRY)												Ł		
15.25	- - D	, ,												‡		
	_													Ē		
	<u>-</u>													‡		
	L													Ł		
	<u>-</u>													‡		
16.40-16.85	_ D	1.50			S26	At 16	5.40m, v ks.	with occa	sional	light	grey r	ootlet		Ė		
	_	(DRY)												‡		
	_													Ł		
	_													‡		
	-													‡		
17.70	- D							claystone ar medium					ular	<u> </u>		
18.00-18.45	-	1.50	114	28		fragn	ments.	fissure a		_			erv	‡		
	-	(DRY)				close sligh	ely to o	closely s Lished.	paced	and su	o-verti	cal,	•	F		
18.45	- D					At 18	3.45m, 1	fissures Lentated,	extrem	ely cl	osely s	paced, lv ster	ped	‡		
	F					and o	clean.	nigh stre		, 500			•	E		
	<u>L</u>						., -		<u>.</u>					<u>E</u>		
														F		
19.50-19.95	- D	1.50			S28									‡		
	Ę ~	(DRY)												E		
	-													20.00		22.
Boring					Progre	266		Er	d of B	orehol	e ndw ate	r				22.
Donth Hole		Technique		Crew	Depth	Depth	Depth to	Date	Timo	Depth	Depth	Rose to	in	Depth	Remar	
Depth Dia		Technique		CIEW	of Hole	Cased	Water	Date	Time	Struck	Cased	1,000 10	Mins	Sealed	Ground	dwater
Remarks 🛺																
AGS														Logo	,	SC .

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Figure

2 of 2 20/09/2012



Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Project No

Client ROLTON GROUP

Hole	Depth	Level	Type	SWP	Seating	g Drive		Test	Drive		SPT 'N'		Unco		d SPT	Γ
	m bgl	m OD		(mm)	0-75 (mm)	75-150 (mm)	0-75 (mm)	75-150 (mm)	150-225 (mm)	225-300 (mm)	Value	10	20	'N'	40	50
H7	1.30	40.80	S	-	1	1	1	2	2	2	7	*	1	1	 	1
H7	4.30	37.80	S	-	1	2	3	4	5	6	18		*	-	-	
H7	7.30	34.80	S	-	2	4	5	5	6	6	22		*	1		-
H7	10.30	31.80	S	-	4	6	6	7	7	8	28	1	i	*	i	
H7	13.30	28.80	S	-	5	6	8	7	7	9	31	i i	İ	*	i	i
H7	16.40	25.70	S	-	3	6	5	7	7	7	26	1	1	*	1	
3H7	19.50	22.60	S	-	4	5	6	7	7	8	28	-		*		
Driller Hammer No			David EQU4	Cowling)		Remar Equipm 22476-	ent check	ked and c	alibration	carried out ir	n accord	dance	with E	3S EN	ISO
Energy Ratio	o, Er (%)		74.00					-								
	Date		22/02	/2012												

^{-/-} Blows/penetration (mm) after seating



PC124991

^{-*/-} Total blows/penetration (mm)

SWP Penetration under own weight (mm)

S - Standard Penetration Test (SPT)

C - SPT with cone

L - Split Spoon with liner used

Borehole BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer BH8 ROLTON GROUP Project No PC124991

Client ROLTON GROUP Ground Level 42.20 $\mathsf{m}\;\mathsf{OD}$

Sampling		Proper	ties		Strata	3								Scale 1:5	50
Depth Sample Type (1	Depth Cased & to Water)	Strength kPa	w %	SPT N	Descrip	tion							Depth	Legend	Level m OD
0.30 0.50						ete wit	th reinfo D]	rcing.	**			,	G.L. 0.20	,	42.20
0.30- 0.50					grave subar clink	elly sam gular t	mottled r nd, occas to subrou concrete D]	ionall; nded f	y very	clayey	. Grave		0.50		41.70
1.20- 1.70 B 1.20- 1.65 D	1.20 (DRY)			s10	black fragm conte angul concr	sandy ments (ment of s ar to s cete and	rown mott gravelly upto 15cm subangula subangula d clinker	clay, in si r bric r fine	with o ze) and k and o	ccasio a med oncret	nal tin lium cob e. Grav	ber ble	1.20		41.00
2.00 D E U50 U50 C C C C C C C C C C C C C C C C C C C	1.50 (DRY)	55	33		Soft sandy fissu extre	slight red in mely c	rownish g tly grave parts. F losely sp fine to m	lly sl issure aced.	ightly s are r Gravel	organi andoml is ang	c clay, y oriengular to	tated	- - - - - - -		
-					flint					4	00 00		<u> </u>		
3.80- 4.25 D	1.50			S18	micac occas orien smoot	eous Clain and a constant cons	red brown LAY, thin rootlets. extremel l with a edium str	ly lam Fissu y to ve slight	inated res are ery clo	in par rando sely s	ts and mly paced,		- - - - -		
- - - - - - -	(DRY)												-		
5.30- 5.75 U65	1.50	87	30		74 E	20m h	igh stren	~+ h							
5.75 D	(DRY)	0,	30		Below	7 5.75m	, becomin	g very					<u> </u>		
- - - - -						. fragme	ents and								
6.80- 7.25 D	1.50 (DRY)			S21											
7.40 D UT100	1.50 (DRY)												<u> </u>		
8.05 - D					Below	7 8.05m	, orange	staini	ng abse	nt.			<u></u>		
9.10- 9.55 D	1.50 (DRY)			s22		een 9.10 in sizo	0-10.95m, e).	with:	rare si	lt poo	kets (u	ıpto	- - - - - - - - -		
0.00-10.40 B															
Boring				Progre	ess				Groun	dwate	er		1		
Hole	echnique	:	Crew	Depth of Hole	Depth	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remark Ground	
1.20 Inspecti 20.00 0.15 Cable Pe	ion Pit		DC/LC DC/LC	G.L.	NIL 1.50 1.50	DRY DRY DRY	15/08/12 15/08/12 16/08/12 16/08/12	18:00 08:00	Struck	Caseu		CITIIN	ocaled	None enco	untere

** Drillers description.
E sample = 1 x vial, 1 x plastic jar and 1 amber jar
Backfill details from base of hole: arisings up to 2.50m, bentonite seal up to 0.50m,
concrete up to ground level.

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20/09/2012

esimbeloeg

Figure

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Project BACTON LOW RISE, GOSPEL OAK, NORTH Engineer ROLTON GROUP BOrehole Project No PC124991

Client ROLTON GROUP Ground Level 42.20 m OD

Sampling			Proper	ties		Strata	а								Scale 1	:50
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion							Depth	Legend	Level m OD
10.50-10.95		1.50 (DRY)				Below	w 10.95m	, fissu	res mot	tled b	Lack.					
12.00-12.45	D	1.50 (DRY)			S24									- - - - - - - - - - - - - - - - - - -		
13.50-13.95 13.95		1.50 (DRY)												- - - - - - - - - - - - - - - - - - -		
15.00-15.45	D	1.50 (DRY)			S27	At 1!	5.80m, w	ith a s	ubround	ed clay	ystone	cobble				
16.50-16.80	<u></u>	1.50 (DRY)														
18.00-18.45	D	1.50 (DRY)			s30	Below abser	w 18.00m nt.	, fissu	re spac	ing inc	creasin	g and s	ilt	- - - - - - - - - - - - - - - - - - -		
19.50-19.80 19.80 20.00		1.50 (DRY)				At 19	9.80m, f		predom			rizonta	1.	20.00		22.20
Boring	1				Progre		Dont :			Groun	ndw ate		1	Donte		rko oz
Depth Hole Dia		Techniqu	e	Crew	of Hole	Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed Logg Figu	Ground ged by	ks on dwater

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Figure

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Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Project No

Client ROLTON GROUP

Hole	Depth	Level	Туре	SWP	Seating	g Drive		Test	Drive		SPT 'N' Value	ı	Uncor		d SPT	
	m bgl	m OD	, , , , , , , , , , , , , , , , , , ,	(mm)	0-75 (mm)	75-150 (mm)	0-75 (mm)	75-150 (mm)	150-225 (mm)	225-300 (mm)	value	10	20	'N'	40	50
ВН8	1.20	41.00	S	-	1	1	2	2	4	2	10	*	1	1	1	1
ВН8	3.80	38.40	S	-	2	2	3	4	5	6	18	!	*	!	!	!
ВН8	6.80	35.40	S	-	2	3	5	5	5	6	21	1	*			1
3H8	9.10	33.10	S	-	3	4	4	5	5	8	22	1	*	i	i	
3H8	12.00	30.20	S	-	4	4	5	6	6	7	24		*	i	i	1
BH8	15.00	27.20	S	-	3	6	6	6	7	8	27		I I	*	1	I I
BH8	18.00	24.20	S	-	5	6	7	7	8	8	30	-	I	*		1

Remarks

In accordance with BS EN ISO22476-3:2005



PC124991

^{-/-} Blows/penetration (mm) after seating

^{-*/-} Total blows/penetration (mm)

SWP Penetration under own weight (mm)

S - Standard Penetration Test (SPT)

C - SPT with cone

L - Split Spoon with liner used

Properties

Sampling

BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer **Borehole** BH9 ROLTON GROUP Project No PC124991

Strata

Client Ground Level 42.09 m OD ROLTON GROUP

Scale 1:50

Figure

1 of 4

20/09/2012

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Depth		Sample Type	Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion						Depth	Legend	Level m OD
								forced concrete	slab.	**				G.L. 0.20	γ. · · · · · · · · · · · · · · · · · · ·	42.09
0.30 0.30 0.70 1.00		D E					Brown angul conci	n slightly claye lar to subangula cete, quartzite GROUND]	r fine	to coa				7. 0.20 - - - -		41.03
1.20- 1.20-		Д	NIL (DRY)			s9	Firm	orangish brown	slight	ly sand	ly CLAY	:•		1.20		40.89
2.00		- - - - - E -														
2.70-	3.15	- - - U40	NIL (DRY)	65	35		At 2.	.70m, medium str	ength							
3.20							fissu	v 3.20m, thinly ured. Fissures a ely to very clos ing and occasion	re sub	horizor aced dı	ital ex ill wit	tremely h a sil				
4.20-	4.65	- D	2.50 (DRY)			S14	brown parts close	f fissured dark n slightly micac s. Fissures are ely spaced and r sional silt dust ning.	eous C extrem andoml	LAY, sl ely clo y orier	lightly sely t stated	sandy o very with		4.00		38.09
5.70-	6.15		2.50 (DRY)				Belov	v 6.20m, orange	staini	ng abse	ent.					
7.20-	7.65	- - - - - - - - - -	2.50 (DRY)			S22	silt	v 7.20m, becomin partings on fis tness)								
8.70- 9.20	9.15	- - - - - - - - - - - - - -	2.50 (DRY)	80	29		At 9.	.70m, high stren .20m, with occas cness)		silt la	wers (upto 5m	um in			
Boring		-				Progre		Wasth to	1		idwate	r	II.			lo s -
Depth	Hole Dia		Techniqu		Crew	Depth of Hole		Depth to Water Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remar Ground	
1.20 30.15		Inspect Cable P			CR/PJ CR/PJ	G.L. 18.20 18.20 30.15	2.50	DRY 15/08/12 DRY 15/08/12 DRY 16/08/12 DRY 16/08/12	18:00 08:00						None ence	

** Drillers description.
E sample = 1 x vial, 1 x plastic jar and 1 amber jar
A standpipe was installed to 5.00m with a geowrapped slotted section from 2.00m to 5.00m
with flush lockable protective cover. Backfill details from base of hole: arisings up to
7.00m, bentonite seal up to 5.00m, fine gravel filter up to 2.00m, bentonite seal up to
0.50m, concrete up to ground level.

accompanying

key sheet. All dimensions are in metres.

Symbols and

abbreviations are

explained on the

Logged in accordance with BS5930:1999 + A2:2010

Project BACTON LOW RISE, GOSPEL OAK, NORTH Engineer ROLTON GROUP Project No PC124991

Client ROLTON GROUP Ground Level 42.09 m OE

ampling		Francis	Prope			Strata	а								Scale 1:	50
epth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion							Depth	Legend	Leve m O
0.20-10.65	 - - р -	2.50 (DRY)			S29	Below With silt	v 10.00m occasio layers	n, become onal fine absent.	ing ver e grave	y stifi 1 sized	f greyi d shell	sh brow fragme	n nts,			
	- - - -													<u> </u>		
	- - - -													-		
.70-12.15	- U60 - - - - D	2.50 (DRY)				Below	v 12.20n	ı, fissuı	res occ	asional	lly pol	ished.		<u> </u>		
20	-													<u> </u>		
.20-13.65	- - - D	2.50 (DRY)			S46									<u></u>		
	_ - - - -					At 13 grave	3.60m, r el of cl	ecovered aystone	l with	angulai	r mediu	m to co	arse			
	- - - -													<u> </u>		
70-15.15	υ75 - -	2.50 (DRY)	113	29		Below	v 15.20n	igh stre		ing ind	creasin	g, silt				
.20	- D - - - -					dust	ing abse	ent.						<u> </u>		
20-16.65	- - - р	2.50 (DRY)			S34									† - - - - -		
	- - - -															
.70-18.15	- - - - - U75	2.50												<u> </u>		
20	- 373 - - - D	(DRY)														
	- - - - -													<u> </u>		
20-19.65	 - D -	2.50 (DRY)			s33									<u></u>		
	- - - -													<u> </u>		
ring		<u> </u>	<u> </u>		Progre						ndw ate	r		<u> </u>		
oth Dia		Technique	e	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remarl Ground	
narks 🚜	At 14.7	Om, mea	sured	undrai	ned str	ength p	possibly	affecte	ed by f	issuri	ng in t	est spe	cimen.	Logo	ged by s	c / c

<u>gadadnia</u>

2 of 4 20/09/2012

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres. Logged in accordance with BS5930:1999 + A2:2010

Project BACTON LOW RISE, GOSPEL OAK, NORTH Engineer ROLTON GROUP BOYENDER BOYENDE BH9
LONDON Project No PC124991

Client ROLTON GROUP Ground Level 42.09 m OD

Sampling			Prope	11100	1	Strata								Scale 1:	50
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Description							Depth	Legend	Leve m Ol
	-	(10 11010)											_		
	-												‡		
	Ė												ŧ.		
20.70-21.15	บ75	2.50	111	26		At 20.70m,	high stre	ength					E		
	L	(DRY)											<u> </u>		
1.20	D					Below 21.20 fissure sur		occasio	nal bla	ack sta	ining o	n	Ē		
	L												-		
	Ē												Ē		
	E												_		
2.20-22.65	D	2.50			S41								‡		
	E	(DRY)											E		
	-												‡		
	-												‡		
	F												F		
	F												‡		
2 70 24 15		2 50											Ē		
3.70-24.15		2.50 (DRY)											Ļ		
	F _												F		
4.20	D												E		
	-												-		
	-												‡		
	E												F		
5.20-25.65	D	2.50 (DRY)			S36								-		
	-	(DKI)											ļ.		
	E												E		
	L												<u> </u>		
	Ē												Ē		
26.50	D					At 26.50m,							_		
26.70-27.15	U80	2.50	107	26		boulder, regravel size	d fragmei	ıts					‡		
	E	(DRY)				At 26.70m, fragments o	f light l	orown c	laysto	ne. Fis	sures	l.	E		
7.20	- D					extremely to	o very cl and open	losely (possi	spaced, bly af:	, rando fected	omly by		‡		
	Ē					disturbance Below 27.20	during s	samplin rare fi	g). ne to r	nedium	gravel	sized	Ē		
	E					silt pocket At 26.70m,	S				•		E		
	-							,					‡		
8.20-28.65	- D	2.50			S45								F		
8.20-28.05	"	(DRY)			242								‡		
	Ė												Ē		
	E												E		
	F												-		
	Ē												Ē		
	-												<u> </u>		
9.70-30.15	U100	2.50 (DRY)											ļ		
	F												<u> </u>		
oring	+	+			Progre					idwate		1 2 -		 	
epth Hole Dia		Technique	Э	Crew	Depth of Hole	Depth Depth to Cased Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remar Ground	
1	1			ı	i	1	1	1	1		1	l		1	

Remarks At 20.70m, measured undrained strength possibly affected by fissuring in test specimen.

At 26.70m, measured undrained strength possibly affected by fissuring in test specimen and disturbance during sampling.

Figure

esimbeloeg

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Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Cable Percussion BOREHOLE RECORD -

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON Engineer Borehole BH9 ROLTON GROUP Project No PC124991

Client ROLTON GROUP Ground Level 42.09 m OD

Sampling			Proper			Strata	2								Scale 1	:50
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Descrip	otion							Depth	Legend	Level m OD
	-													30.15		11.9
	F							Eı	nd of B	orehole	•			- 30.13		
	E													<u> </u>		
	F													<u> </u>		
	F													<u> </u>		
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epth Hole Dia	e I	Techniqu	е	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Rema Groun	rks on dwater
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Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres. Logged in accordance with BS5930:1999 + A2:2010 Figure

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Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON PC124991

Client ROLTON GROUP

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Remarks

In accordance with BS EN ISO22476-3:2005



^{-/-} Blows/penetration (mm) after seating

^{-*/-} Total blows/penetration (mm)

SWP Penetration under own weight (mm)

S - Standard Penetration Test (SPT)

C - SPT with cone

L - Split Spoon with liner used

APPENDIX D PLANS SECTIONS ILLUSTRATING THE WORKS ADJACENT TO THE BOUNDARIES



