

Project											BOREH	OLE	No
	thst	owe							1000 000 000 000		BHB	052	<u>;</u>
ob No			Da	23	5-10- 5-10-	-05	Grour		vel (m AOD) Co-Ordinates (OS) .980 E 541099.551 N 264999.	006			
1217				986	Sheet								
Supervisino JMC		ineer .F / CV	V/R	LC					Client Gallagher Estates & English Partnerships		1 o	f 2	
SAMPL						-		- 1	STRATA				ent/
Depth 1	vpe			Result ppmv	Water		Depth (Thick-		DESCRIPTION	-	Legend	Geology	Instrument/ Backfill
	NO	T(esuit		ppiiii		13.58	ness) - 0.40	ı(ft brown very sandy clay TOPSOIL with frequent ro		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	TPS	
0.40 0.50-1.00	D B					10.00		Fi	m orange brown very sandy CLAY (TERRACE DE	POSITS)).		
1.00-1.50	D8B	3,3,2 4,2,3	,		:		(1.40)					TD	
		N=11				12.18	1.80	_					
1.80 2.00-2.50	D DBB	3,4,3 4,3,4 N=14						M sl R	edium dense to dense orange fine to coarse SAND. ghtly clayey from 2.7m with rare medium subround are pyrite from 5.5m (TERRACE DEPOSITS).	Becomi ed flint.	ing		
3.00-3.50	D8B	7,9,8 9,8,7 N=32					(2.80)					TD	
4.00-4.50	DEB	9,8,10 8,10,11 N=39				9.38	L 1 1 1 4.6					 	
4.60	D					9.30	<u> </u>	Ts	iff grey mottled brown slightly gravelly sandy CLAY ne subangular chalk. Frequent fossils from 4.7m	. Gravel	is		
5.00	υ	50 blows					F	"	(IMMERIDGE CLAY REWORKED).				
5.50	D						Ę Ę						
6.00	D					·	<u>-</u> E						
6.50-7.00	œ	4,3,4 5,4,4					E E						
7.00	D	N=17					<u>-</u>					KIMN	1
8.00	U	74 blows					(6.40)						
8.50	D D						<u>.</u>						
9.00 9.50-10.00		7,4,5 7,8,7	-									1	
Bo	rina	N=27	ess a	and V	<u> </u>	r Obser	<u>-</u> vations		Chiselling Water Add	led	GEN		
Date	_	me	Dep	th	Dept	Casing h Dia.	mm V	ater Opt		Го	REM		
										•	Groundwater er 13.7m risng to 1 mins.	icounter 3m afte	ed at r 15
Date	Ti	ime	Strik	e i	Minut	es Stan	ding Ca	asing					
	<u> </u>		13.7		15		.00						
All dime		ns in me 1:62.5	tres	Con	tracto	or / Driller			Method/Plant Used Cable Percussive Rig		Logged By	.F	



Project		stowe			, , , , , , , , , , , , , , , , , , ,		·		/ I \		_					BORE	IOLE	No
Job No			16	Date _			Groun	nd I	evel (m A	OD)			<u> </u>	<u> </u>		BHE	305	2
	2170	626		- 2	!5-1(!5-1(0-05 0-05	Giodi		3.980	(00)		ordinates 541099.		264999.9	96	ם וכ	3002	٤
Superv	ising E	ngineer					<u> </u>		Client			71033.	.001 14 2	204999.9		neet		
	JMC /	/ LF / C	W/I	RLC							ates 8	& English	Partnershi	ps			of 2	
SAM	PLES	8 TE	STS		T					S	TRA	ATA		III.				<u> </u>
Depth	Type No		PID Depth	Result		Reduced Level	Depth (Thick- ness)					SCRIPTION	ON			Legend	Geology	Instrument
10.00	D		100					111	ie subanc	auiar cha	IIK. Fr	eauent ta	avelly sand ossils from ED). (contir	ty CLAY. G 4.7m nued)	ravel is		КІММ	= 1
11.00	В	8,5,6				2.98	11.00	_			_	1 de						}
		7,8,8 N=29	}	i		2.68	11.30							RIDGE CLA		XXX	KIMM	
		==						Ci	ur to very LAY).	stiff grey	CLA	Y with fre	equent foss	ils (KIMME	RIDGE			
12.00	D		!				-											
12.50-13.0	В	9,10,12 15,18 N=45/			1													
13.00	D	225					•											
13.70	D			ĺ	ੈ	ļ .	Lamana and											
4.00	U	00 blows				<u>-</u> -	(5.70)										KIMM	
4.50	D					<u> </u>												
5.50-16.00	D83	13,12,10 12,10 N=32/ 225				1												
6.50	DU 1	00 blows																
7.00	D				ļ	-3.02	17.00						<u> </u>					
						; ; ;												
						-												
Bor	ing P	rogres	s and	Wat	er C	bservati	ons	.]		Chisell	ling		Water	Added				
Date	Tim	$\overline{}$	epth	Der	Cas	sing Dia. mm	Water Dpt		From	То	Ť	Hours	From	To		SENER REMAR		
															Groundwa 13.7m risi mins.	eter encounting to 13m	ntered a after 15	ıt
Date	Time	∋ St	rike	Minu	tes	Standing	Casing											
I dimens	sions in	n metres	Co	ontract	or/D	riller	70.74		Meth	od/Plant					Logged E	<u></u> Зу		
	1.02									_	Ca	ible Pera	ussive Rig		THE PARTY	LF		



		BX:									E LO	<u> </u>						7
oject															BOREH	OLE I	No	
No	orthsto	owe													BHE	3053	}	
b No		1	Da	ite 2!	5-10	-05		Grou		vel (m AOD)		ates (OS)		0.40				
121	7062	16		2	5-10	-05		<u> </u>	11	.570	E 540	910.136	N 265000).640	Sheet			$\frac{1}{2}$
Supervisir	ng Eng	ineer								Cllent	, r					of 1		
JN	//C / L	.F / C\	N/R	RLC_						Gallagher E			nerships				€	1
SAMP	LES	& TES	STS		٦						STRATA	\				6	Instrument/ Backfill	
	Туре	Test	PID	Result		Reduc		Dept Thick-	th		DESCI	RIPTION			Legend	Geology	stru	
Depth	No	Result	Depth	ppmv	_	Lev		ess)	- 1						31 XIV	TPS	<u> </u>	+
						11	.17	0.4	امه	own sandy TO				DDAGE	11.34.5	1173		
0.40 0.50-1.00	D BD	'					E		Fi	rm brown sligt EPOSITS).	ntty sandy sl	ightly grave	elly CLAY (15	RRACE		1	ļ	
.50-1.00						ļ	Ē			Li 00.10j.						1	1	
.00-1.50	BED	3,0,2 3,3,2					ŧ									1	•	-
		N=10					E								-0	1		
	1					,	Ė	<u>-</u>								ТО		
2.00-2.50	980	2,0,3 2,3,3 N=11					F	(3.40)	'							3		T
		N=11					E									1		
						ļ		<u>-</u>								3		
3.00-3.50	BBO	3,0,3 4,3,4	Ì			-	Ī	:							-0	=		١
3.50	D	N=14				.	7.77	3	.80								_	1
							***	<u>.</u> -	F	irm to stiff dar	k grey CLA	Y (KIMMEI	RIDGE CLAY).	<u></u>	=		
4.00-4.50	HD	4,0,4 3,4,3														=		
		N=14													===	ㅋ		
		1						-								3		
5.00-5.50	BEO	4,0,5 3,4,5 N=17						,,,,,,	,						<u> </u>	-JKIMI	и	
		N=17			-			(3.20	"							3		
								<u> </u>							===	3		
-			1					-							==	3		
6.50-7.00	BED	5,0,4 4,5,5						E								3	-	
_		4,5,5 N=18					4.57	£7	7.00							1	\dashv	1
								E										4
		}						-										
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:					-	ŀ		E										
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-								Ē	-							İ		
						<u></u>		<u> </u>			Ohia allia		Water A	dded	GEN	NERA	 	_
		g Prog			Wat	er Ob	osen	vation	ns Wate	r From	Chiselling	Hours	From	To	REN	MARK	S	
Date	+	Time	De	pth	Der	Casi	Dia.	mm	Wate Dpt		10	,,,,,,,,,	+		No groundwar	er enco	untered	i.
				ļ														
				ļ														
							<u> </u>	46	C!									
Date		Time	Str	ike	Min	rtes	Stan	ding	Casir	9								
											<u>L</u>							_
		one in n	netree	Cc	ontrac	tor / D	riller			Me	hod/Plant U	sed	cussive Rig		Logged By			
All dis	mensio	יי ווו צואט																



Project	LEYE												_		BORE	101 E	Nc
	North:	stowe															
Job No			Date	27-0)5-09	Groun	nd Le	vel (m A	AOD)	Co-	Ordinates	(OS)			BHI	B05	4
	21706			27-0	5-09		10	.450		Ε	540705	108 N	265007.2	97			
Supervi								Client		-					heet		
		LF / CV						Gallaç	her Esta	ates	& English	Partnershi	ps	27		of 1	
SAM	PLES	& TES		<u></u> ja	i				S	TR	ATA				-1-7/1		ig Sign
Depth	Type No		PID Re.		Reduced Level	Depth (Thick- ness)				DE	ESCRIPTION	NC			Legend	Geology	Instrument
0.40					9.95	(0.50)		ass over avel is fir	dark bro	own o	clayey slig ar to angul	htly gravell ar flint.	y sandy TO	PSOIL.	17 - 34 A	TPS	트
0.50-1.00	B111A D				0.00	0.00	Firr	n grey n	nottled o	rang	e brown s	lightly gray	elly CLAY. (e (KIMMER	Gravel is	0		1
1.00-1.45	υ	86 blows					CL	AY REV	VORKED	0).							
1.50	D					(2.30)										KIMM	
2.00-2.50	BEO	3,4,4 5,4,4 N=17															
		"-"			7.65	2.80											
3.00-3.50	В	9,9,6 5,4,5			7.15	(0.50) 3.30	Wea	ak light (grey SIL	TST	ONE (KIM	MERIDGE	CLAY).		× × × × × × × × × × ×	KIMM	
3.00-3.50	BED	N=20 9,9,6 5,4,5 N=20				(0.70)	Stiff	Subally	ottled ora	ange nguli	brown slig ar weak gr	ghtly grave ey siltstone	lly CLAY. G	ravel is IDGE	<u> </u>	KIMM	
4.00-4.45	υ	90 blows			6.45	4.00	Stiff	extreme	ely close	ly fis	sured grey	/ mottled d	ark green br	rown			
4.50	D						CD-	VI VVIUTI	are selei	nite	crystais (K	IMMERIDO	GE CLAY).				ı
5.00-5.50	B.SIV	5,4,6 5,6,6				(1.70)										КІММ	
5.70	D	N=23			4.75												
0						- 2	Very	stiff gre	y CLAY	(KIN	MERIDG	E CLAY).					
6.50-6.95	u	00 blows				(1.30)										KIMM	
7.00	D	,			3.45	7.00											
						ļ											
					1												
					Ē												
	ļ				<u> </u>									ĺ			
					Ē									j			
Bori	⊥ ing Pı	ogress a	and W	ater ([Observat	ions	T		Chisel	ling		10/24	۸ ما ما - عا				_
Date	Time				ising Dia. mm			From	To	ıy	Hours	From	Added To		GENER REMAR		
						- 12								No groun	dwater end	ountere	:d.
Date	Time	Strik	е м	nutes	Standing	Casing											
	ion- '		Cast	oder 1	Della :	<u> </u>											
VI dimens Scal	ions in le 1:62		Contra	ictor / l	⊃niier ———			Meth	od/Plant		ed Sable Perc	ussive Rig		Logged !	By LF		



Project														BO	OREHO	DLE N	P
	rthst	owe													BHB	055	
Job No		<u> </u>	Da	te 23	-10-	05	Grou	and Le	evel (m AOD		dinates (OS)						
121	7062	26		23	-10-	05		10	0.940	E 54	10520.905	N 2650	16.804	She	ot		\dashv
Supervisir	ng Eng	gineer							Client					Sne	eા 1 of	: 4	
JN	1C / L	_F / C	W/R	LC					Gallaghe	Estates &	English Partr	nerships			1 01		_
SAMP	LES	& TES	STS							STRA	TA					8	=
Depth	Type No		PID Depth	Resuit ppmv	Water	Reduced Level	Dep (Thick- ness)	ļ			CRIPTION				Legend	Geology	Backfill
						10.54	0.4	<u>40</u> G	Frown and ora Gravel is fine and flint.	o medium	subangular to	Suprouriue	d of Sariust	/	12 34 V 24 34	TPS	
- 0.40 - 0.50-1.00	D B							S	Soft becoming Gravel is fine crystals below	medium.	and subroun	ded Chaik, r	くるしこ うさにこ いに		 	ï	
1.00-1.50	EBO	3,2,2 1,2,2 N=7		!			Ę	(KIMMERIDG	E CLAY).	onling grey				- <u>-</u>		
1.50	D	1	Ì			!	Ę										目
2.00 2.00-2.40	B	30 blows					E								<u> </u>		.目.
2.00-2.40	"	אטוט טוטW					£ ,, 50									KIMM	
Ē							(4.50)	'									制
3.00-3.50	980	4,2,2 4,3,3					Ē										:目:1
E		4,3,3 N=12					E								<u> </u>		
ŧ							E								<u>•</u>	1 1	[目]
4.00-4.40	U	39 blow	s				F]	
£							Ē								-0	1	:目:
Ė						6.0	4 4	.90			ale manus CH TO	STONE /L/II	MEDIDGE		×××	10000	:目:
-4.90 5.00-5.50	D	18,13,1	7			5.6	4 .	30	Weak to mod					· 	× × ×	KIMM	
E		9,8,12 N=46	2			J.0	` `		Stiff brown m Becoming gr	ottled oran	ge brown slig	htty sandy	CLAY.			1	
5.30	D						E		secoming gi	ey 1101111 5.5	ALL (LZHAHARELZ	,	,-			=	:目:
6.00	D						E (1.70)								KIMM	:目:
-							<u> </u>									3	:耳:
6.50-6.90	U	71 blov	vs				<u>.</u> آ	, ,,									<u>:目:</u>
7.00	D					3.9	-	7.00	7								
							ŧ										
[Ę										
-							Ē										
ŧ							E										
Ė							ŧ										
-							F								100		
E							Ē										
E							E								J.		
			ل_			<u></u>	<u> </u>		1	Chicall	na	Water	Added		GEN	ERAL	-
E			$\overline{}$	$\overline{}$	Nate	Casing	rvation	IS Wate	er	Chisell	Hours	From	To			ARKS	
Date		Time	Dep	oth	Dep	Casing th Dia	. mm	Wate Dpt	From		110013			No g	roundwate	r encoun	tered.
													[
]				
Date		Time	Str	ike	Minu	tes Sta	inding	Casi	ng								
							}										(
			<u></u>			15-11				ethod/Plan	tlised	1		Log	ged By		
All di	mensi Scale	ons in n 2 1:62.5	netres	Co	ntract	or / Drille	i.		l N	¢ii i∪u/Fidi i	Cable Per	cussive Rig				OB	



Project									KEHC		LUG						
Project N	North:	stowe										_			BOREH	OLE	No
Job No	101616	HOWE	To	ate a			Grou	nd L	evel (m AO	יטי כר	o-Ordinates (<u> </u>			BHE	305	6
12	21706	326	4	2	29-09 29-09	9-05 9-05	-		0.200		= 540810.		64803.47	4			
Supervis	sing Er	ngineer							Client				04000.47		heet		
J	MC /	LF / C	W/F	₹LC						er Estate	s & English i	Partnership	s			of 1	
SAMI	PLES	& TES	STS				7	ii.		STI	RATA						Τ ≥
Depth	Type No	Test Result	PID Depth	Result ppmv			Depth (Thick- ness)			1.00	DESCRIPTIO	ON			Legend	Geology	Instrument
0.40 0.50-1.00	D B					9.50	(0.70)	gra	rass over so ravelly CLA halk and gra	Y. Gravel	mottled blace is fine to coa	ck and oran arse subroi	ige sandy sli unded to ang	ghtly Jular	<u>- 0</u>	TPS	
0.50-1.00	"					3.50	<u> </u>	Sc	oft to firm br	rown mot	tled orange a	and grey ve	ry sandy slig	ahtiy	<u> </u>	-	-
1.00-1.50	BEO	1,1,2 1,3,2 N=8					-	gra	ravelly CLAY elenite crysta	Y. Gravel lals from (l Is medium s 0.9m and wil REWOKRK	subangular ith vellow m	granite Rag	ρ.			
				1		F	ŗ										
2.00-2.50	BBD	1,2,2 2,3,3 N=10					(2.90)									кімм	
2.60	D	1	.	1 1	1 '		<u>:</u>										:
3.00-3.45	υ	32 blows			1 1	1	-										阊
3.50	D				1	6.60	3.60	ĺ									:
3.50			40	,	1 1	6.20		We	eak light gre	ey SILTS	TONE (KIMI	MERIDGE	CLAY).		× × × × × × × × × × ×	KIMM	
4.00-4.50	BEO	3,3,5 5,6,6 N=22		.	1	0.20	4.00		iff grey CLA	Y (KIMM	ERIDGE CL	_AY).			× × ×	Milvine.	
ļ	!	N=22		i	, 1	E		i							===		
5.00-5.50	BEO	3,4,6			, 1	į	_							i			
5.00-0.50	18L	3,4,6 6,7,7 N=26			.	E		ļ							F		泪
		[.	į	(3.00)						1/4			кімм	
.		1			.	, <u>E</u>	-								三寸		.:目
						, <u>E</u>									트크		:
6.50-69.00 6.50	U D	69 blows															:目
7.00	D	.			ŀ	3.20	7.00										追
		1													<u> </u> -		
	ı					-										}	
1	i					Ē											
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					<u>_</u>	<u></u> <u>_</u>		_									
		-				Observat				Chisellin	ıg	Water	Added		GENEF	==== RAL	_
Date	Time	3 De	epth	Der	pth	sing Dia, mm	Water Dpt	\square	From	То	Hours	From	То		REMAF		,
									i	l] []	No grour	ndwater en	.counter	ed.
					•				i								
Date	Time	e s	trike	Minu	ı des	Standing	g Casing	_									
		1	TING	IVIII	1169	Stationing	Casing	4			-						
						<u> </u>								ı			
All dimens	isions ir ale 1:62		; C	ontract	ior / [Oriller			Metho	od/Plant L		- Di		Logged	By		
	10 1.02		Щ.								Cable Perc	ussive Rig			LF		



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roject												BC	REH	JLE I	10
	rthst	owe					- 		17 165	Co Ordinator (CC	<u> </u>	{ [BHB	057	
ob No			Da	20	5-10		Gro		evel (m AOD)	Co-Ordinates (OS					
121	7062	26		26	3-10	-05		1	0.050	E 541099.56	1 N 264799.881	Shee			
Supervisin									Client	states & English Pa	toomhine	Silec	1 o	f 1	
JM	IC / L	.F / C\	W / H	RLC					Gallagner		ulcialiba	1	- 1		Ę
SAMPI	LES	& TES			ja j			45		STRATA		$ \top$		ò	Imer fill
Depth	Type No	Test Result	PID Depth	Result ppmv	Water	Reduced Level	Dep (Thick- ness)	·		DESCRIPTION		_1	_egend		Instrument/ Backfill
						9.75	- 0.	30 L	oose dark brow ootlets.	n slightly dayey san	dy TOPSOIL with freque	ent [TPS	
0.30-0.50 0.50-1.00	B DJJJV						(0.90)	Š	oft dark brown v	very sandy CLAY (T	ERRACE DEPOSITS).			TD	
1.00	υ	37 blows				8.85	<u>- 1.</u>	20							
						8.55	1.	50 S	Stiff orange mottl ne to medium s	led grey sandy sligh ubangular flint and :	tly gravelly CLAY. Grave sandstone (KIMMERIDG	SE A	<u>:</u>	KIMM	,
1.50	D						ŧ	1\0	LAY REWORK	(ED).	vn very sandy CLAY with	/L] ,
2.00-2.50)B&JJV	2,1,2 2,1,2					<u> </u>	6,	rocusent white m	offling Orange brow	vn mottling reduces with 2.6m (KIMMERIDGE CI	i ľ			(
		N=7					(2.20	1 5	RÉWORKED).			-		кімм	
					_		£ ,					ļ			
3.00-3.50	DBB	3,2,4 2,3,3			7	<u>.</u>	E					ļ			1
		N=12				6.3	5 3	.70			·		<u>==</u>	<u> </u>	
					\₹	6.1		90 \	Veak grey SILT	STONE (KIMMERE	GE CLAY).	ALEST	XXX	KIMM	
4.00-4.50	1283	4,5,4 3,4,3			-		Ē	٠ ١ ٠	and friable from	4 8m with frequent	and at 4.7m. Becoming s fine to medium subangu	ilar	===	1	
		N=14		1			-	t	o angular siltsto	ne gravel (KIMMER	IDGE CLAY).			1	
4,80-5.00	JJ						ŧ							1	
5.00	Ü	BO blows					F							1	
				1		1	(3.10))						KIMN	1
5.50	D			1			E							1	
6.00	D	i					E							1	
			1		1		ŧ						==	1	
6.50	D	1	Ì			3.0	, i	7.00							
· <u>-</u>						3.0	3	.00						T	
			-				ŧ							•	
							Ē							1	
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R	oring	Progr	ess	and V	Vate	r Obse	rvation	s	1 0	Chiselling	Water Added		GEN		
Date		ime	Dep		Dept	Casing h Dia	mm	Wate Dpt	From	To Hours	From To		REM		
			-					177751					twater en aising to		
}												15minu			
Date	1	ime	Stri	ke	Minu	tes Sta	nding	Casin	9						
			3.9	0	15	3	.20	1.00							
1															
		ns in me		12	4-	or / Drille			B Bash.	od/Plant Used		Logge	ed Bv		



Project									171			.00						
	Norths	towo											_			BORE	HOLE	E No
Job No		lowe	1	Date	_		Crow			100, 1						PTI	MOO	0
	21706	326	'			6-07 3-07	Groun		evel (m A	AOD)		Ordinates				FI	AIOO	פו
	ising Er		_		3-00	3-07			0.559		E	541357	.848 N 2	265970.3				
		LF / C	W/	RLC					Cilent						S	heet		
		& TES			_	T		_	Galla				Partnershi	ps 		1	of 1	
SAN	IFLES		PID	$\overline{}$	ĘĘ	ļ	Double				STR	ATA		_				ent
Depth	Type No	Test Result	Depth	Resul ppmv		Level	Depth (Thick- ness)					SCRIPTION				Legeno	Geology	Instrument
						10.46	0.10	W	ADE GR	OUND:	Hard	standing to	armac.			1000000	MĞ	
0.50	JJV		0.50	0			(0.60)	l /ps	u).				CONCRETE			/	MG	4
						9.66	0.90	NVE	range bro ry sandy nt (TERR	CLAY.	เวเลง	el is fine fo	and grey bromedium a	own slightly ngular to ro	y gravelly ounded		TD	
1.50	BJJV		1.50					Br	own velic	w slight	lv ara	welly day	ey SAND. (Gravel is fin	e to	/[<u>-</u>	}	
1.50	B33 V		1.50	0	\$			2.2	eaium an 2m with fi	gular to requent	round	ded flint. E	Becoming v	ery clayey t	from	· · · ·		
•							(2.20)	gre	ev siitv tir	ne sand	and r	are mediu DEPOSI	m gravel ci	zed pocket	s of	-:	TD	
						[*.	O.C	ange san	a (TER	VACE	DEFUSI	13).			<u> </u>		
						[-:		
					\$.	7.46	3.10									- ::		
		1					}	Ora	ange yell avel is fin	ow claye	ey SA	ND and G	RAVEL. So rounded f	and is coan	se.			恒
						Ę		DE	POSITS).	alam	arigular (o rounded j	IIII (IERRA	ACE			l:E
4.00	В	ł		1		<u> </u>										-:-:		lie
		ĺ				Ę	(2.70)									<u>}</u> :∑:		:
				i		Ę	(2.70)									- <u>`</u> ;	TD	:目
		2	İ	i		Ę												目
		ĺ		ı	ł	F										[:-:::		:目
				ĺ		4 .76	5.80											:目
		j		ľ	-	- 4.70	3.00	Fim	n to stiff	fissured	grey	CLAY, rai	re very sma	all marine fo	neeile	프를		
				-		ŧ.		(KII	MMERID	GE CLA	۹Ÿ). ٌ		,		000110			
				- 1		Ę((1.20)										KIM	
			1	i		3.56	7.00											
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	i		-		-	F										- [
				- 1	-	E	1								ł			
				Wat		bservati		I		Chise	lling		Water	Added		GENEF	ΔΙ	
Date	Time	De	pth	Der	oth	ing Dia. mm	Water Dpt	_ _	From	То		Hours	From	То		REMAR		
1										1					Groundw	rater strike 1.85m after	at 3.1n	1
																	.5.1411	J .
Date	Time	Stri	ike	Minu	tee	Standing	Caola	\parallel			-							
		3.1		WINT	ico	Standing 1.85	Casing	+										
							1											
JI dimen:	sions in	metres	Co	ontract	or / D	riller		<u></u>	Meth	iod/Plan	t Use	ed			Logger	Du .		
Sca	le 1:62.	5			1								ussive Rig		Logged	CW		



2.	F	esepnone ax:	*				В	OREH	io Li	E LO	3						-
roject		_						.			- · ·			BC	DREHC)LE N	lo
-	orthst	owe													PTM	010	
ob No			Da	ite 1	I-06	07	Grou	nd Level (m	AOD)	1	ates (OS)					• • •	
	17062	26		14	1-06 1-06	-07 -07		11.011		E 541	550.855	N 2651	76.449				
Supervisi					·			Clier						She			1
		_F / C	W/F	RLC				Galla	agher E	states & Er	nglish Partr	erships			1 of		
SAMF										STRATA	4					<u>≥</u>	neu .
Depth	Type	Test Result	PID Depth	Result ppmv	Water	Reduced Level	Depl (Thick- ness)	h		DESCI	RIPTION				Legend	Geology	Instrument/ Backfill
	-				-	10.96	<u> </u>	5 MADE G	ROUNE): Hardstan	ding tarma	C.		_/		MG MG	
		ļ			ļ	10.56	0.4	5 MADE G	ROUND): Grey gra	vel hardcor olite.	e. Gravel is	coarse		<u> </u>		
0.60-0.75	יאנון		0.60	0		9.91	(0.65) 1.	Soft to fit	m brow CLAY. (n to dark g Gravel is me	rey green s edium angu	lightly sand ular to suba	y slightly ngular flint.			TD	
				ĺ		9.61		T) (TERRA	CE DEF	'OSHS)				-/]			
		Ì				9.3		O Soft brov	wn mott	ed orange	very sandy	CLAY with	pockets of		<u>=</u> =	TD	
		Ì		1		9.0		coarse s	and (TE	RRACE D	EPOSITS).	andy CLA	/ with rare	/		TD	e e
	1						,	gravel si	ized pod	kets of fine	silt (TERR	andy CLA	SITS).	/			[目]
					1		E	Stiff to v	ery stiff	grey mottle	d orange b	rown CLAY	. Becoming	}			:目:
		ŀ					[grey ποι	m əm (L	MAINEKIDO	3L ODA1).						目:
		1	1	1			E	ļ.									:
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				1		Ì	E									KIM	目
		l					(5.00)								ļ '``''	
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					\perp		<u> </u>			Obia allia		Mater	Added		GEN	EDAI	
			_		Wat	er Obse	rvation		From	Chiselling To	Hours	From	To		REM		
Date	•	Time	De	pth	De	Casing oth Dia	. mm	_Dpt	FIOIII		1100.0			No gi	roundwate	r encou	ntered.
							Ì					1		Starte m bg	ed as wind	low san	ple to 2
											1						
							1	\									
Date		Time	St	rike	Min	utes St	anding	Casing									
			1		ntrar	tor / Drille	er		Met	nod/Plant L	lsed			Log	ged By		
Alld	ımensi Scale	ons in 1 2 1:62.5	netres i	,	, no al						Cable Per	cussive Rig			RL(C / LF	
	2001								0000	HART THE STATE OF	3411 3 5 - 14-						



									IVEIN		_06						
Project	Vorths	*****												a.	BOREH	IOLE	No
Job No	VOLUTE	lowe	TF	ate .			Crown	- al I		D) 0				47	ww	RNC	11
	21706	26	-	U		5-07 5-07	Groui		evel (m AC	· 1	Ordinates (****		' '
Supervi					7-00	J-07	<u> </u>		7.225		541265.	666 N 2	67250.58				
	_	LF/C		RLC					Client	or Estator	2 Coolleb	Doots a sale to	_	SI	neet		
		& TE			-			_	Gallagi		& English	Partnership)S		1 (of 1	- T &
O/ tivii			PID	<u>. </u>	Water		Depth	<u> </u>		SIF	RATA		-			<u></u>	le lit
Depth	Type No	Test Result	Donth	Result	×	Reduced Level	(Thick- ness)				ESCRIPTIO				Legend	Geology	Instrument
							(0.90)	l Lo	rass over d otlets. Becangular to su	omina ara	slightly gra velly from 0 flint.	velly sandy .6m. Grave	day TOPS is fine to c	OIL with coarse	7. 7.4° 7.	TPS	
0.70-0.80	hnv		0.70	0		6,33	0.90								70.70		н
						5,83	(0.50) 1.40	DI	ravel is fine EPOSITS).	to coarse	d orange si angular to	subangulai	flint (TERF	RACE		TD	
							(1.60)	וווז ן	oft light grey m from 1.5 MPTHILL (5m with co	nottled oran parse sand	ge sandy C sized selen	LAY. Beco ite crystals	ming		AMP	
2.80-2.90	77A		2.80	0		4.23	3.00										K.E
						4.03	3.20	Lig	ght grey SIL	TSTONE	(AMPTHIL ge sandy Cl	L CLAY).			×××	AMP	ΙŒ
5.10-5.20			5.10	0		0.23	7.00	4.2 4.6 4.7	20 - 4.30 W 60 - 4.70 W 70 m bgl, be	eak light of	THILL CLAY	FONE. FONE. Itled orange	e sandy CL∕	AY with		AMP	
				3							·20						
						bserva		_		Chisellin	g	Water	Added		GENEF		
Date	Time	; [Depth	De	pth .	sing Dia, mn	Water Dpt		From	То	Hours	From	То	i——	REMAR		ed.
Date	Time	S	trike_	Min	ıtes	Standing	Casing										
Ali dimen Sca	sions ir		s C	ontract	or / E	Oriller			Metho	od/Plant U		ueeina Dis		Logged	By		
											Cable Perc	ussive Rig			RLC		



Fax				D	JKEHUL	L LU	<u> </u>					
roject				-					B	OREH	DLE N	NO.
Northstowe						- 1 2 " - "			۱ ا	WWE	3002	2
ob No	Date 07	7-06 - 07	,	Ground	Level (m AOD)		nates (OS)					
12170626	07	7-06-07	<u> </u>		8.269	E 54	1321.583	N 267242.650	Cha			
Supervising Engineer					Client		. .		She	ευ ι 1 ο	F 4	
JMC / LF / CW	//RLC				Gallagher	Estates & E		nersnips		1 0		5
SAMPLES & TEST	TS	_ا يا ا				STRAT	A				<u>8</u>	me⊓
Depth Type Result	PID Result ppmv	Water L		Depth hick- ess)			RIPTION			Legend		Instrument/ Backfill
			7.97	0.30	Dark brown sar					7. 7.	TPS	
0.50-0.70 JJJV	0.60 0		7.27	0.70) 1.00	rare rootlets. G (TERRACE DE	ravel is fine :POSITS).	angular to	e to medium SAND witi subangular flint		a .	TD	
			Ē.	0.80)	Stiff grey mottle to medium flint	ed orange b gravel (TEF	rown sandy RRACE DE	CLAY with occasional POSITS).	fine		TD	
		_	6.47	1.80			1 437 215 -	are fine to coarse seler	ito			
2.50 JJJVV	2.50 0		1.27	7.00	crystals. Becor stiff with depth CLAY).	ning grey m and with sil	ottled orang	ge brown and stiff to ve is from 4m (AMPTHILI	L		АМР	
Boring Progre	ess and V Depth	Vater C Cas Depth	Dbserva sing Dia. mr	ations	ater From	Chisellino To	Hours	Water Added From To	No gra	GENI REM/ oundwater	ARKS	.
Date Time	Strike	Minutes	Standir	ng Cas	sing							
All dimensions in met Scale 1:62.5	tres Con	ntractor / I	Driller		Met	hod/Plant U	sed Cable Per	sussive Rig	Logg	jed By	F	



Project	10	1							BOREH	OLE	No
N	orths	lowe							1000	200	
Job No			D	d Level (m AOD) Co-Ordinates (OS)	WW	300	4				
12	217062	26		ŏ	1-06 1-06	6-07	6 4 3	7.239 E 541507.522 N 266553.718			
Supervis	sing En	glneer						Client	Sheet		
J	MC / I	_F/C	W/F	RLC				Gallagher Estates & English Partnerships	1 0	f 1	
SAME	PLES	& TE	STS	· · · · · ·	l .			STRATA			7
Depth	Туре			Result ppmv	Water	Reduced Level	Depth (Thick- ness)	DESCRIPTION	Legend	Geology	Instrument
						7.04			35.47	TPS	Ē
0.80	าานง		0.80	0		6.04	(1.00)	Soft brown mottled yellow buff slightly sandy slightly gravelly CLAY. Gravel is fine to medium angular to subrounded flint (TERRACE DEPOSITS).		AMP	
						5.44	(0.60)	Soft to firm grey mottled brown slightly sandy CLAY (AMPTHII CLAY).		AMP	
						3.44	1.60	Firm to stiff grey CLAY (AMPTHILL CLAY).			ı
2.50	111		2.50	0							
5.00	110		5.00	0			(5.20)			AMP	
						0.24	7.00				
						Observa		Chiselling Water Added	GENE		
Date	Tim	e I	Depth	De	epth	asing Dia. mi	Mate Dpt		REMAI groundwater e		ered.
Date	Tim	e s	Strike	Mir	nutes	Standir	ng Casin				
All dime	nsions i		es	Contra	ctor /	Driller		Method/Plant Used Log Cable Percussive Rig	gged By RLC		



							ים			-E LC	,0						
Project														В	OREH	OLE N	10
Nor	thst	owe												4	WWE	3005	5
lob No			Da	ate 12	2-06-	07	Ground	d Level (n			linates (OS					,,,,,	
1217				12	2-06-	-07		6.835		E 54	1528.67	9 N 266	559.089	-			
Supervising								1	ent					She			
JMC	2 / L	F/C	W/F	RLC				Ga	llagher	Estates & I	English Par	tnerships			1 0		
SAMPL	ES 8	& TES	STS		ا ي					STRAT	ΓΑ					≥	Jent
	ype No	Test Result	PID Depth	Result ppmv	Water		Depth Thick- ness)			DES	CRIPTION				Legend	Geology	Instrument/ Backfill
						6.54	0.30	MADE slightly subang	gravelly	clay topso	over soft to il. Gravel is	firm dark b	rown sandy dium angula	ir to		MG	
	Ì					5.74	(0.80)	MADE	GROUN	ID: Firm to	stiff dark b	rown sand	y slightly gra gular flint, bi	velly ick		MG	
1.00 J.	77 /		1.00	0		5.74	1.10	and cor	ncrete.				. Gravel is fi			TD	
						5,44	1.40	medium	angula	ar to suban	gular flint (1	FÉRRACE	DEPOSITS;)/	0		
						4.64	(0.80)	mediun	i angula	medium to ar to suban POSITS).	coarse SA gular flint. E	ND. Grave Becoming o	l is fine to layey from t	2m	· · · a · ·	TD	
2.10 J.	111		2.10	0		4.34	2.50			(KIMMER	IDGE CLA	Y).				KIM	: 目:
Box	ing	Progr	900	and W	later	Observa	ations			Chiselling	1	Water	Added		GENE	-RAI	
Date	Tin		Dept			asing Dia. m		ter	rom	То	Hours	From	То		REMA		
Date	•	ne	Strik		<u>Jepin</u>			2						No gro	oundwater (encounte	ered.
									110.12		L	<u></u>					_
All dimen	sions		tres	Cont	ractor	/ Driller			Meth	od/Plant U		cussive Rig		Logge	ed By	=	



Project														E	BOREH	OLE	No
Job No	lorths	towe	<u> </u>	ate o			Groun	d Level (m	AOD	Co-Oro	dinates (O	3)		4	WWE	300	6
	1706	26	٦	3	1-05 1-05	-07 -07	Cioda	6.930	17.00)				6536.771				
Supervis					. 00	-	1	Clie	ent .		11020.00			Sh	eet		
	-	LF/C	W/F	RLC						Estates &	English Pa	rtnerships			1 o	f 1	
SAME										STRA		•			Ī		<u>=</u>
Depth	Туре	Test Result	PID Depth	Result	Water	Reduced Level	(THICK-				CRIPTION		·		Legend	Geology	Instrument/
	No	Result		ppinv		6.73	ness) - 0.20	Grace o	er coft	brown to	dark brown	eliabthy ar	avelly sandy	clay	77.77	TPS	트
0.30	mvv		0.30	0		6.43	L	TOPSOI	IL. Grav Juent ro	<i>r</i> el is fine t otlets.	o medium	angular to	subrounded	flint		TD	1
								Soft yello medium (TERRA	ow brov angula CE DE	vn sandy s r to subroi POSITS).	slightly grav unded flint	elly CLAY with occas	'. Gravel is fir sional rootlets	ne to			
				_				Recover Becomir	ed as fing stiff v	rm to stiff with depth	grey mottle (KIMMER	ed green b	rown CLAY. Y).				
							_										
							-										
			L				Ē										
							_								===		
3.50	JJV		3.50	0			ŧ.										
							(6.50)									KIM	
							Ē										
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5.50	JJV		5.50	0			Ė										
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						-0.07	7.00										ļ:J
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Br	orina I	Progre	ess a	nd W	ater	Observ	ations	- 1	(Chiselling	: .	Water	r Added		GENE	RAI	=
Date	Tir		Depth			asing Dia. n		ter Fr	rom	To	Hours	From	To		REMA		
	+			+-	ch(I)	Ula. II	ui U	<u>" </u>	-+			-		No gro	undwater e		_
	<u>_</u>											6					
Date	Tir	ne	Strike	Mi	nutes	Stand	ing Cas	ing									
														L			



								U	IZELI	OLE		UG						
Project		_4										<u> </u>		····		BORE	IOLE	No
Job No		stowe	1	\			-1-						· .		<u>, r</u>	DU	200	
	21706	200				6-07	Grou		evel (m A	(OD)		ordinates	•		7	BH	-00	1
Superv					9-0	6-07		1	1.569		_E 5	540897	.009 N 2	66600.89	96			
				<u> </u>					Client					-	S	heet		
	===	LF/C		RLC	_				Galiag	her Est	ates 8	& English	Partnership	s		1 (of 1	
SAM	IPLES	& TES			بة ا		T =	1		S	STRA	ATA .	Fig.			Tira.		ant
Depth	Type No	Test Result	PID Depth	Result ppmv	_	Reduced Level	Depth (Thick- ness)				DE	SCRIPTION	ON			Legend	Geology	Instrument/
						11.47		M	ADE GRO	DUND: 0	Grass	over dar	k brown cla	yey sand. S	and is	ASSESSED FOR THE PROPERTY OF T	MG	A
- 0.30-0.50 - 0.50-0.90] .		11.42	1 0.15 (0.75)	/M	ADE GRO	DUND: E	Brown	very sar	ndy gravel. (Gravel is fin	e to	/ ‱	MG	1
- - -0.90	-					10.67	0.90	i /me	ealum an	gular to	subai	ngular co	ncrete, brid	c and flint		/‱	IVIG	
-0.90 -	SBT	2,7,12 12,17,9					<u> </u>	M/ me	ADE GR(edium. G	DUND: E ravel is f	Brown fine ar	i dayey g oqular to	ravelly sand subangular	l. Sand is fi	ne to	N. C.		
1.00-1.50	В	N≃50/ 260			ŀ		ţ	/mir	nt and cor	ncrete.						/ ∴.`•∴		
1.00-1.50	"			f			-	Me co	edium der arse. Gra	nse brov Ivel is fir	vn vei ne and	ry graveil	y SAND. Sa ubangular fl	nd is medic	um to	0		:目
2.00-2.50	SERECT	8,11,13					(2.30)	DE	POSITS).		ga.a, 10 0	abangalar ii	III (1 LIVIV	ICE		TD	H
•		11,9,9 N=42														0	טו	
•																		
3.00	SET	3,4,3				2.27												
		3,3,4 N=13				8.37	3.20	Sa	ft to firm	dark are	v Sil :	T with m	re fine grave	d size of form		· · · ·		
3.20-3.70	В	14-13						(KI	MMERID	GE CLA	YY).	ı wıtırıa	e line grave	el sized toss	SIIS	x × x		
	i			-	Ţ	[×		
4.00-4.25	U	14 blows			-		(1.80)									× ^ × 1	KIM	
]												× × ×		
4.60	В					6.57	5 00									×××		
5.00-5.50	SENEOT	3,2,3				6.37	5.00	Stif	f dark gre	v slight	v san	dv slightl	y gravelly C	Ι ΔΥ saith m	m	× ×		
		4,4,5 N=16				' [TOS	siis (belei	mnite) ai	nd sh	eils Grav	el is fine su	bangular to	ore O			
						E		Sub	prounded	chaik (i	KININ	ERIDGE	CLAY).			<u> </u>		
				İ		Ė	-(1.95)										KIM	
			1	1		É										-	IXIIVI	
6.50-6.85	U	50 blows				Ė								•				
7.00	ь				-	4.62	6.95		011 707							<u> </u>		
7.00					1	<u>4.57/k</u>	7.00	Gre	y SILTST	ONE (K	UMME	ERIDGE	CLAY).		/		KIM ,	
				-		Ē	i.										l	
- 1						· F											ĺ	
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- 1	-					Ė												
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Bori	ina Pr	ogress	and	Wat		bservat	ione	T		Chi	l:		T 14/ :					
Date	Time		pth			sing Dia. mm			From	Chisel To		U	Water			GENER		-
			-	Der	ottn	Dia. mm	Dpt	╢	FIOM	10		Hours	From	То		REMAR	KS_	
														İ				
			-											.]				
Det-	-																	
Date 3-06-07	Time			Minu	tes	Standing	Casing	\parallel										ı
5-00-07		4.0	JU															
All dimens	iona in	mot	<u></u>	ntm-t-	<u></u>	rillo-	<u></u>]				
	ions in le 1:62.		100	ntracto	ir / D	riller			Meth	od/Plant			recive Di-		Logged			
									L			DIE PERC	ssive Rig			LF		- 1



roject		-							- 11				,				В	OREHO	LE N	lo · Ì
•.	orthst	owe													· .			BHC	002	
b No			[ate	29	-06-	.07		Ground	Lev	el (m AC	(D	Co-Ordina							
121	7062	26				-07-				11.	.262		E 5408	392.144	N 26639	9.100	She			
upervisir	ng Eng	gineer									Client						Sne	1 of	: 4	
JM	/C / L	_F / C	W /	RL	C						Gallagh	ner Es	states & Eng	glish Partne	erships			1 01		5
SAMP	LES	& TE	STS	 }									STRATA						8	men III
Depth	Туре	Test Result	PIL	Re	sult	Water	Reduce Level	ारम	Depth nick- ss)				DESCR		4			Legend	Geology	Instrument/
			╁	+			11.0		0.20	Gra	ass over	dark i	orown slight is fine to m	ly silty sligi	htty gravelly	sand ubangular			TPS	81
			1	1		.		ŧα).60)	\fiin	st.					· ·			TD	
							10.4		0.80	Fin	m to stiff	dark	brown sligh nedium ang	tly sandy s Jular to sub	lightly grave pangular flir	elly CLAY. nt (TERRAC	E /	0	TD	
.00	В	l I					10.0)6F	1.20	l\ne	POSITS	١.			_		السند	°0 0°0		:目
.00								1		\Gr	avel is fir	e sub	y gravelly S pangular to POSITS).	subrounde	o chaik and) 1118 TL]	0.00		
2.00	В							1		Or	b	wn ve	ery sandy G oular flint a	RAVEL. G nd subang	iravel is fine ular to roun	to medium ded chalk	1	0000		
		ļ		- [1	1	E		1.3	20 mbgl,	beco	ming buff/bi	rown with o	lepth.			90 50	ţ	ľΕ
								ŧ		_	~			•				000	ł	I.E
3.00	В	1						F,	(4.10)									0 10	עו ג	l:E
								, E`										0000]	
								E										0 0		I.E
4.00-4.50	डस्या	5,5,6					1.	ŧ										000	₫	
		7,11, N=3	14 B	- 1		1		ŧ										0.50	<u>'</u>	
		1	1					F										0.00	2	
5.00	В	1		- 1			_	<u>_</u>	5.30						·			000	4] [
5.30	BD					1		.96 .76	5.5	o s	oft brown	to d	ark brown v	ery sandy	organic SIL	T (TERRAC	CE	× ×	1 TD	-[:[
5.50	SPT	2,4, 8,9	7	l				E		1\5	DEPOSIT	. beco	oming dark	grey.				/¦∷:⊹	1	
•		N=3						ŀ	•.	1 5	James bus	ff bron	wn gravelly m angular t	SAND Sa	nd is fine to	coarse. Gr subangula	ravel r to	0		
		-				1	ľ	Ę	٠.,	l R	ounded o	halk ((TERRACE	DEPOSIT	S).				_{TD}	
			-	ļ				E	(2.15)									0	: }	
_		1	-					Ė	-									1	•	
								Ė		١									: }	
7.50	S	Г 9,8 2,3	2				3	3.61	7.6	\neg	Medium (iense	grey grave	ily SAND.	Sand is me	dium to coa	rse.	0	-1-	٦: ٔ
		2,3 N=	17					[: - (0.85)	- 1 (Gravel is	fine s	subangular (EPOSITS).	to subroun	ded flint and	d chalk		. ∵ `a	∵ τα	
							١.	Ţ		-	•							0	<u>:]</u>	_ .:
			Ì					2.76 2.56	8.7		Medium	dense	grey sand o coarse, a	y GRAVEL	with rare b	lack flint co	bbles ACE	×		'⊹։
									[-(0.60)	- 11	DEPOSI	TS).						/ x *.·>	KII	۱
9.00	D	- 1					-	1.96		ลด่ำ	Soft dark	grey	slightly san ff dark grey	CLAY BO	IMMERIDO	of arev stro	no	 	-	
9.30-9.8	30 B								(0.70)		siltstone	(KIMI	MERIDGE	CLAY).		J. 9. J. 340	· · · · · ·		크ĸ	VI
								1.26	- ` `	ı	9.30 mb	ıl, str	ong cobble	of grey mu			1			
1	Borin	g Pro	gres	ss a	nd '	Wat	er Obs	serv	ations				Chiselling]	Water	Added			NERA NARK	
Date		Time	\neg	Depth	\neg	Der	Casing	g lia. m	nm V	Vate Dpt	r Fr	om	То	Hours	From	То	⊩	KEN	-V-V-V-V	
<u> </u>	_		+		\dashv															
											\parallel					150				
Date	_	Time	+-	Strike		Min	utes S	Stand	lina C	asin	ıg				8.0		1			
Date		THIRE	+	ואוטט	-	IVIII	<u> </u>	- 141 10							(a =					
															1					
All di	imene	ions in	metr	es	Co	ntrac	tor / Dri	ller				Met	hod/Plant L	Ised			Lo	gged By	LF	
All u		e 1:62										<u> </u>		Cable Per	cussive Rig	<u> </u>				



Project	lorths	towe						BORE	HOLE	ΞN
Job No	101410		П	ate ,			Grou	nd Level (m AOD) Co-Ordinates (OS)	C00)3
12	21706	26		t	8-09 8-09			9.073 E 541109.665 N 266192.207		
Supervis	sing En	gineer	-					2 0 11 100:000 14 200 132:201		
J	MC /	LF/C	w/i	RLC				Collector Fetal D. F. III a. P.		
SAME	PI FS	& TE	STS						of 1	=
Depth	Type No	Test Result	PID Depth	Result ppmv	Water	Reduced Level	Depth (Thick- ness)	STRATA DESCRIPTION Leger	Geology	14 moons rates 1
0.00-0.50	В					8.57	(0.50)	MADE GROUND: Grass over brown slightly gravelly sandy topsoil. Gravel is fine to medium angular to subangular flint and quartzite	MG	
0.50-1.00 . 1.00-1.50	В	1,1,1 2,2,2					(1.00)	MADE GROUND: Brown slightly gravelly fine to medium sand. Gravel Is fine to medium angular to subrounded flint and calcareous material becoming slightly dayey from 1m.	MG	-
1.50-2.00	В	N=7			-	7.57	1.50	Loose brown gravelly fine to medium SAND. Gravel is fine to	X	
2.00-2.50	IJVVВ	1,0,1 1,0,2 N=4		·	荪		(1.80)	orange brown slightly gravelly from 2.5m (TERRACE DEPOSITS).		
3.00	В	2,2,1			2			· · · · · · · · · · · · · · · · · · ·	TD	
3.30-3.50 3.80-4.20	В	2,3,2 N=8				5.77 5.27	3.30 (0.50) 3.80	Soft to firm light grey fine to medium sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subrounded flint (TERRACE DEPOSITS).	TD	
50		111				4.57	(0.70) 4.50	Orange brown fine to coarse SAND and GRAVEL. Gravel is fine to medium angular to rounded flint and calcareous material (TERRACE DEPOSITS).	λ TD	1
	JVVB	1,1,1 1,1,4 N=7	L		-	4.07	(0.50)	Loose grey slightly clayey slightly gravelly fine to medium SAND. Gravel is fine to medium angular fint (TERRACE DEPOSITS). Soft grey mottled black slightly sandy slightly gravelly CLAY with	TD	
50-6.00	h	2,2,10 1,11,12 N=44			-	3.57	(0.50) 5.50	to rounded flint (TERRACE DEPOSITS). Dense grey grayelly fine SAND with shell fragments Grayel is	στ <u>.</u>	
50-6.95		7,9,12				2.57	-(1.00) 6.50	fine to medium angular to rounded flint (TERRACE DEPOSITS).	TD	
	h	3,15,12 N=52/ 280			-	2.07	(0.50) 7.00	Dense to very dense brown very gravelly fine to coarse SAND. Gravel Is fine to medium angular to subrounded flint (TERRACE DEPOSITS).	TD	
							-			
		$\overline{}$				bservat		Chiselling Water Added GENE	RAI	
ate	Time	De	epth	Der	th	ng Dia. mm	Water Dpt	From To Hours From To REMAI		
								Wet from 1.5m.Gr seepage at 2.0m - Groundwater enco 3.0m - moderate.	slow	
ate	Time		rike	Minu	tes	Standing	Casing			
09-06 09-06	V		00 00	20		1.98	1.50 2.80			
dimens	ions in	metres	Cc	ntracto	or / Dr	illas		Method/Plant Used Logged By		_



Scale 1:62.5

Northstowe Norths	OIL. Gravel is ghtty gravelly fine ht grey fine sand. aded flint	0	004	
Date 06-09-06 07-09-06 9.356 E 540923.505 N 266 Supervising Engineer JMC / LF / CW / RLC SAMPLES & TESTS Depth Type No Result Depth Depth Depth No No Result Depth No No No No No No No No No No No No No	OIL. Gravel is ghtly gravelly fine th grey fine sand. Indeed flint sedium SAND.	Legend	f 1 Geology TPS	ent
12170626 1217066 1217062	OIL. Gravel is ghtly gravelly fine th grey fine sand. Indeed flint sedium SAND.	Legend	SAT Geology	Instrument/
Supervising Engineer JMC / LF / CW / RLC SAMPLES & TESTS Depth Type Result Depth Ppmv Test No Result Depth Ppmv Test No Result Depth Depth Ppmv Reduced Thickness) Grass over brown slightly gravelly sandy TOPSC medium angular to subrounded flint. Medium dense orange brown slightly clayey slig to medium SAND with occasional pockets of lig Gravel is fine to medium subangular to subrounded flint. 1.70 Depth Type Result Depth (Thickness) Reduced (Depth (Thickness) Grass over brown slightly gravelly sandy TOPSC medium angular to subrounded flint. Medium dense orange brown slightly clayey slig to medium SAND with occasional pockets of lig Gravel is fine to medium subangular to subroun (TERRACE DEPOSITS).	OIL. Gravel is ghtly gravelly fine th grey fine sand. Indeed flint sedium SAND.	Legend	SAT Geology	Intitities Backfill
JMC / LF / CW / RLC Gallagher Estates & English Partnerships STRATA Depth Type No Result Depth Result Depth No Result Dept	phtly gravelly fine int grey fine sand. Inded flint sedium SAND.	Legend	SAT Geology	Intititi Backfill
SAMPLES & TESTS Depth Type No Result Depth ppmv PID Result Depth ppmv PID Result Depth Level (Thickness) Depth Type No Result Depth Ppmv PID Result Depth Level (Thickness) Depth Type No Result Depth Ppmv PID Result Depth Level (Thickness) B No Depth (Thickness) Grass over brown slightly gravelly sandy TOPS (medium angular to subrounded flint. Medium dense orange brown slightly clayey slightly gravelly sandy TOPS (medium SAND with occasional pockets of lightly gravelly fine to medium subangular to subrounded flint. 1.70 D Medium dense brown slightly gravelly fine to medium subangular flint. Become from 4 0m (TERRACE DEPOSITS).	phtly gravelly fine int grey fine sand. Inded flint sedium SAND.	0	TPS	IIIIII Backfill
Depth Type Result Depth Result Depth Result Depth Result Depth Result Depth Result Depth Result Depth Result Depth Result Depth Result Depth Result Depth Result Depth Result Depth Result Depth Result Depth (Thick-ness) 3.00-0.50 B 3.50-1.00 JJVVB 4.4.5 N=17 1.70 D 4.70 D 5.7.66 1.70 Medium dense orange brown slightly dayey sligh	phtly gravelly fine int grey fine sand. Inded flint sedium SAND.	0	TPS	IIIIII Backfill
No Result Dimit Di	phtly gravelly fine int grey fine sand. Inded flint sedium SAND.	0	TPS	
8.86 0.50-1.00 JJVVB 1.00-1.50 B 5.4.4 4.4.5 N=17 1.70 D Medium dense brown slightly dayey slig framedium subangular to subroun (TERRACE DEPOSITS). Medium dense orange brown slightly dayey slig to medium subangular to subroun (TERRACE DEPOSITS). Medium dense brown slightly gravelly fine to medium dense dens	nt grey line sand. nded flint edium SAND.	0	TD	
to medium SAND with occasional pockets of ig Gravel is fine to medium subangular to subroun (TERRACE DEPOSITS). 7.66 1.70 Medium dense brown slightly gravelly fine to medium dense brown dens	nt grey line sand. nded flint edium SAND.	0	TD	
7.66 1.70 N=17 7.66 1.70 Medium dense brown slightly gravelly fine to medium dense brown slightly gravelly f	edium SAND. ming coarse sand	6	1	l. 🗀
Medium dense brown slightly gravelly fine to me Gravel is fine angular to subangular flint. Become process (LIVVB) 3.1.2 Second from 4.0m (TERRACE DEPOSITS).	edium SAND. ming coarse sand			ŀ.Ħ.
				TIME I
2.70 D (2.30)		0	₽	
3.00-3.50 B 3.5.5 6.7.10 N=28		0		
5,36 4.00			<u> </u>	耳目
4.00-4.50 B 1,0,2 4.6,7 N=19 Dense brown medium to coarse SAND and Giffine to medium angular to subangular flint. Bec	comina verv	0.00	Å TD	
4.60-5.00 B 4.36 5.00	- (CDA)/EI	00.0	-1	- :
5.00 1,1,2 4.30 5.00 Medium dense brown medium to coarse SANI Gravel is fine to coarse angular to subrounded DEPOSITS).	D and GRAVEL. d flint (TERRACE	0.00	\$ TD	
6.00 5.6.7 6.6.8 N=27		0.00	0	
2.36 6.70 Very stiff grey slightly gravelly CLAY. Gravel is flint with rare coarse subangular flint (KIMME	s fine subangular RIDGE CLAY).		KIN	<u> </u>
				(
	•			
		V		
Boring Progress and Water Observations Chiselling Wat	er Added	GEN	VERA	<u></u>
Boring Progress and Water Observations State Sta	т То	REN	MARK	<u>s</u>
Date Time Septil Dig. (I) III Sp.	6	Groundwater (Groundwater (2.7m.	seepage encount	at 2.5 ered at
Date Time Strike Minutes Standing Casing				
06-09-06 2.50 06-09-06 2.70 20 2.09 2.50				
All dimensions in metres Contractor / Driller Method/Plant Used Cable Percussive		Logged By	RLC	



							В	OKE	10LE	LOG						
Project	North	stowe											E	BORE	HOLE	No
Job No	NOI U I	stowe		Date			Groun	nd Level (m	40D)]	0.0.	(2.2)			ВН	റവ	5
1;	21706	626		1		9-06 9-06	Cida	9.599	AOD)	Co-Ordinates	i, i	266198.379		יונט	500	J
Supervi		-				· <u> </u>		Clier	nt	L 340702	524 N	200 198.379	Sh	eet		
	JMC /	LF/C	<u>/ W</u>	RLC				Galla	agher Esta	ates & English	ı Partnershi	lps ·	5"		of 1	
SAM	PLES	& TE							S	TRATA				2/10		Ę
Depth 0.00-0.40	Type No	Test Result	PID Depti	Resul	Water	Reduced Level	Depth (Thick- ness)			DESCRIPTI	ON		ď,	Legend	Geology	Instrument/
	В					9.20	0.40	MADE GF	ROUND: C	Grass over bro	wn sandy	TOPSOIL	-	****	MG	<u>-</u>
0.40-0.80)))VVB					8.80		MADE GE	ROUND: E	rown/orange	slightly clay	ey slightly gravel	ly		MG	ď
_0.80-1.00 1.00-1.50	nivvb B	2,2,5 5,5,6 N=21				9.00	_	Medium de slightly gra	ense light avelly SAN	e to medium r grey and orar ID. Gravel is t RRACE DEPO	nge/brown s	oke and flint. slightly clayey ium angular to		×××	IVIG	
<u>. b</u> . b.					‡	7.60	(1.20)	- Labor Igaia		WACE DEF	JS115).			0	TD	
2.00-2.70	11\AB	2,3,2 2,2,1 N=7			<u>‡</u>	6.90	(0.70)	Loose orar is fine to m DEPOSITS	ieuium an	ght grey silty s gular to subro	slightly grav ounded flint	elly SAND. Grav (TERRACE	el	×	TD	
2.70-3.00 3.00-3.45	В					0.00	2.70	Soft to firm	dark grey	mottled oran	ge sandy s	lightly gravelly		<u>×</u> _		
		27 blows			2		(1.30)	flint and ch (TERRACE	aik. Becoi	Mino verv san	ium angula idy and gra	r to subrounded velly from 3.8m			TD	
3.70 3.80-4.00 4.00-4.20	D B B				≟	5.60	4.00	<u>.</u>				*	ļ			
4.30-4.80	В	1,1,1				Ē		Stiff dark gi medium an	rey fine to gular to s	medium sandubangular flin	dy SILT. Gr	avel is fine to IDGE CLAY).	7	× × ×		
-		3,4,5 N=13				<u> </u>	-			•			3	× × ;		
5.40-6.00	В	4,4,4 5,6,7 N=22					(3.00)						×	X X X X X X X X X X X X X X X X X X X	КІМ	
5.30-6.75	U 5	8 blows											×	×××××××××××××××××××××××××××××××××××××××		
2.00	D				-	2.60	7.00			· · · · ·			×	× · × · ×		
						ļ.										
						<u> </u>										ė.
Bori	ng Pro	ogress	and	Wate	er O	bservati	ons		Chiselli	ng	Water	Added	_	ENED		
Date	Time	De	pth	Dep	Cas th	ng Dia. mm	Water Dpt	From	То	Hours	From	To		ENER. EMARI		
												2.5m	ndwat - slow age at	er encour . Ground 3.8 .	tered a	t
Date	Time	C1-	iko	10		<u> </u>										
09-06 09-06	11110	2.5 3.8	50	Minut 20	tes	Standing 1.92	1.50 3.00									
l dimensi Scale	ons in		Co	ntracto	or / Dr	iller		Meth	nod/Plant			Logg	ed By		===	닠
		 -								Cable Percu	issive Rig			RLC		- 1



OPEHOLE LOG

	F	ax						BC	REHOLI	E LUG						-(
oject											-		E	BOREHO)LE N	0
No	orthst	owe		•							(00)			BHC	006	
b No			Da	te 21	-08	-06	Gr	ound	Level (m AOD)	Co-Ordinate		N OCTOBR	525			
121	17062	26			-08				10.572	E 54088	39.378	N 265988.		neet		
upervisi	ng Eng	gineer							Client				"	1 of	: 1	
JN	MC/I	_F / C\	N/R	RLC					Gallagher Es	states & Engi	ish Panne	ersnips		- 1		Ş
SAMP	LES	& TES	STS		_					STRATA					ĝ	Ē ≣
Depth	Type	Test Result	PID Depth	Result ppmv	Water	Reduce Level	d (Thick ness)			DESCRI	PTION			Legend	_	Instrument/ Backfill
				<u> </u>	_	10.3		0.20	MADE GROUND	: Grass over	topsoil.	amyolly CLAY	/ with		MG	
).40).70).90	D D					9.5	(0.8	0) 1.00	MADE GROUND frequent rootlets subangular flint a subangular to an Becoming stiff fr	Gravei is m and chalk. Wi agular fiint and	ecium to t th occasio	onal fine to co	arse		MG	
1.00-1.50		2,2,3 2,3,3 N=11				8.	(1.0	0) 2.00	Medium dense befrequent rootlets chalk. Frequent	rown very cla . Gravel is mo coarse grave DEPOSITS)	edium to d I size pocl	cets of very so	ft brown	÷:-:-	TD	
2.00-2.50	ייירור	B 2,2,2 3,3,3 N=11			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		(1.0		Medium dense I medium SAND. subangular flint medium gravel 1	ight brown sli Gravel is me	ghtly clayedium to co	dightly silty wil		· · · · · · · · · · · · · · · · · · ·	TD	
2.80 3.00-3.30	D B	1,0,1 0,1,1			\$	7.	57 - :	<u>3,00</u>	Yellow brown sl	ular fiint and d	slightly gra chalk with	velly SILT. Gr occasional co	avel is fine bbles of fiin	it × ×		i:E
3.30-3.50 3.80	. _	N=3					(1.	50)	(TERRACE DE	POSITS).				* . x * . x * . x	TD	
4.00-4.50	В	2,2,3 4,3,5			1	٩	.07	4.50						· ×·	<u> </u>	
4.50-4.70 4.80	В	N=15						50) 5.00	Brown orange of angular to suba	ingular flint ai	nd chalk (I ERRACE DE	PUSITS).	000	² TD	
5.00		4,8,10 12,18,1 N=50 245	10				(1	.50)	Dense to very of Gravel is fine to Becoming light (TERRACE DE	coarse angu brown fine to					ТО	
6.00		13,14, 14,11 N=46	7				.07	6.5	Brown slightly	condy slighth	, aravelly	Cl AY, Gravel	is fine to	0	 	
6,50	D D		Ì				3.77	6.8	씩, medium angula	ar to subang	ular flint ar	nd chalk (TER	RACE		-	
6.80 7.00-7.4	15 U		w				L.	.90)	DEPOSITS). Very stiff grey claystone frag	CLAY. With I ments from 7	requent c '.0m (KIM	oarse gravel s MERIDGE CL	ize angular AY).		KIN	1
							2.87- - -	7.7	0							
-																
							Ē									
							Ę									
t F							Ē									
<u> </u>	Borin	ng Prod	Tess	and	<u></u> Wa	ter Ob	servati	ions		Chiselling		Water A	dded		NERA	
Date		Time	T-	epth	De	Casin	g Jia. mm		Vater From	То	Hours	From	То		MARK	
Dale		11110		r 1		,	<u> </u>						3	Groundwater Groundwater B.Om - moder	seepage encount ate.	e at 2.0 ered a
Dat	te	Time	St	rike	Mir	nutes	Standing	_	asing							
21-08 21-08				.80 .00	2	20	2.56		2.50 2.80							
		ions in	metre	s C	ontra	ctor / Dr	iller		Me	thod/Plant Us	sed	museim Die	1	Logged By	=/RLC	·
All C	Sca	le 1:62.	5								Cable Per	cussive Rig	- 17-	L-1	,	_



Project								OREHO				DODE		
	North	stowe										BORE	HOLE	ΞΝ
Job No				Date ,	22-01	3-06	Groun	nd Level (m AOD) Co-Ordina	tes (OS)		BHO	200)7
	21706					3-06		10.933	f		265972.952			
Supervi	ising E	ngineer						Client	1 - 0 . 0 .	00.007 112		heet		
J	JMC /	LF/C	:W /	RLC				Gallagher	Estates & Eng	lish Partnershi			of 1	
SAM	PLES	& TE	STS		T.				STRATA	and the detailed		1 (OF 1	- -
	Туре		PID	Resul	Water	Reduced	Depth		SIRAIA				 ≥	
Depth	No	Result	Dept	ppmv	, ≥	Level	(Thick- ness)		DESCRI			Legend	Geology	
						10.73	0.20	MADE GROUN	D: Grass over	topsoll.			MG	
0.50-0.80	В					10.43		k roouets. Gravei	IS tine to media	ım occasionali	y clay with frequent y coarse angular to		MG	i
0.50 0.80	D 1117//					10.13 9.93	0.80	\subangular nint	, sandstone and	coke.		/‱	MG	
1.00-1.50	В	5,9,7 5,6,5				3.55	- 1.00	rootlets with me	tulum oravel siz	'A nockets of li	ant house aronge		P	4:
		N=23		1				Il Silantiv araveliv	tine sand Grav	el is fine to me	edium angular to	/- ·		
.70	D							subangular flint, Firm brown oran				-:		[:
00-2.50	TI JIVVE	2,4,5					_(1.90)	luccasional moti	ets. Sand is fin	e gravel is find	subangular to	/	TD	
	. 0	3,8,10 N=26						arigular filmt and	I chaik (IERRA	CE DEPOSIT	S). /	<u></u> ا		
	1							Stiff light brown SAND. Gravel is	s fine to coarse	SUbmunded to	Cubangular flint			:
90	D					8.03	2.90	and chaik, with	occasional nod	kets of buff sil	t from 1.7m			
00-3.50	В	3,3,4				Z.93k	3.00	(TERRACE DEF	elightly gravell	V CLAV with the	ninly bedded lenses	() = 1	TD	_։
		3,5,6 N=18				Ę	ľ	I OI DIOWN TINE TO	medium sandv	clay Gravelle	fine to madium	/F====		:
,	_					Ę		angular to subro	ounded flint and	chalk (TERRA	(CE DEPOSITS) /			
0 0-4.45	D U	72 blows				E	(1.80)	Stiff grey slightly angular to subar	ngular flint and	. Gravel is fine chalk. Becomi	to medium ng sandy from 4m		KIM	
		2 510 113				Ę		(KIMMERIDGE	ČLAY).		ig oalloy hom 4m	등극		
						E								
0	D				⊉	6.13	4.80	Chiff II at A	11 01 114 0			<u> </u>		
0-5.50	JJV.	8,4,6 4,6,7			분	E	.	Sillstone with free	quent coarse d	ravel is fine to ravel of siltstor	medium angular]:
]		N=23			İ	ŧ		(KIMMERIDGE	CLAY).	are, e, endico	ic nom /m			
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		2.0			Ì	Ę								:
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Northstowe Date 14-06-07 Structure		۲	ax							KEHC	<u>/L</u>	LOC	<u> </u>				ODELLO	N E N	_
Date 14-06-07 14-08-0	Project																		
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The providing Engineer and Committee and Com	Job No			Da	14	-06	-07	Gro		-) (O			N 26594	5.085				
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12.53	Бери	No	Result		ppmv	_	Level		-	Grass over	orowi	n slightly gra	velly fine s	and TOPS	OIL. Grave	l is	<u> </u>		M
15-10.0 15-1									40	fine to medi	um a	ngular to su	bangular 11	to medium	. Gravel is		0	TD	
Boring Progress and Water Observations Casing Date Time Depth Dept	0.50-1.00	В					,	E	٨	fine to medl	um a	ngular to su	bangular fl	int (TERRA	CE	- /	0-0-0	TD	
Comparison Com	0.80-1.00	1	655				12.5	3 1	.00	Denum to or	2220	brown claye	y GRAVE	L. Gravel is	fine to		10000		
angular fine. Becoming clayey from 2.1m (TERRACE DEPOSITS). 2.00 S87 1,22 3,2.5 3,2			5,4,5 N=19					E		medium an	gular	to subangul	ar flint (IE	Gravel is	fine to med	dium	000	T D	
11.13	1.10-1.50	В						(1.40))	angular to s	uban	igular flint. B	Becoming o	layey from	2.1m		000	יטו	間[[
Siff for very stiff dark blue gray notified yellow orange and dark green brown CLAY (RIMMERIDGE CLAY). Sign 1,3,3 4,00-4,50 SPT 1,3,3 5,50 July 1,3,4 8,00-4,50 SPT 1,3,3 8,5,7 8,7 8,7 8,7 8,7 8,7 8,7 8,7 8,7 8,7 8	2.00	SET	1,2,2				1,,,	, t	40	•									
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Security 115 / 5	All d	imens	ions in	metres	Co	ntra	ctor / Dril	er			Met	hod/Plant U	sed Cable Pen	cussive Rig		10	yyeu by	LF	



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Ē						[- (0.80)	Grass TOPS	over (dark brow Gravel Is t	n slightly da fine angular	ayey slightly flint.	gravelly fin	e sandy	3 1. XV		
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3.00-3.45	U	B1 blows				F	selenite	e crvs	rrom 4m. tals and s	Becoming v shell fragme	ery stiff slig	jhtly sandy v Om Medium	with fine			
							coarse	angul	lar gravel ERIDGE	size weak o	rey siltston	e fragments	from			
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All dimens Scal	ions in e 1:62.		, 4	ontractor	/ Driller			Metho	od/Plant L	Jsed Cable Perc	useiva Dia		Logged	Ву		
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Northstowe Date 23-10-06	Project									_	and the		- //					В	OREHO	LE N	0
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### Progress and Water Observations 23-10-06 12.000 E S-00.312.000 N 2002-91.000 N 2	Job No			Da	ate 2	2-10	-06		Grou	und L	evel (m AO	D)								
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All dimensions in metres Contractor / Driner LF		_																			
All dimensions in metres Contractor / Driner LF												L_		<u> </u>	<u> </u>	<u></u>		4	and Pu	_	-
	All d	imensi	ons in	netre	s Co	ontra	ctor./	Driller					Meth	nod/Plant U	sed Cable Per	cussive Ri	a		yyeu by	LF	-



								OKEHUL											
Project										· · · · · · · · · · · · · · · · · · ·	····			BOREH	IOLE	. No			
Job No	Norths	stowe		<u> </u>					,					рц	204	4			
	04700	.00	'	Date ,	23-1	0-06	Groun	nd Level (m AOD)	1	Ordinates (BHC011						
Superv	21706				23-1	0-06		10.080	2 3 10 10 10 10 11 200 10 1.000										
			NA / /	DI 0				Client					Sheet						
		LF / C						Gallagher E	states	& English	Partnership	os		1 0	of 1				
SAM	PLES	& TE	STS		<u>ا</u> ا				STF	RATA						15			
Depth	Type No	Test Result	PID Dept			Reduced Level	Depth (Thick-			ESCRIPTIO	 DN		<u>-</u> -	Legend	Geology	Instrument			
	+		-			LCVC	ness)	Grass over dark b				medium sand	<u> </u>		ğ	list			
						9.68		TOPSOIL.					-	**************************************	TPS				
						9.38 9.18		Dense buff brown angular to subang	very	sandy GRA lint (TERRA	AVEL. Grav	vel is fine to me	edium	000	Ð				
-0.90	אאניה					9.10	0.90	Very stiff to hard of	orano	e brown mo	ttled light o	rev candy clic	htty		Ð	-			
1.30-1.80	В	10,13,18				1		graveliy CLAY. Giflint (TERRACE D	avei	is line to me	edium angu	ılar to subangı	ılar /	/- <u>-</u> -		I:E			
		18.14 N=50/						Dense becoming	medl	ım dense o	range brow	n clayey slight	lly						
-1.90	סענו				}		(1.90)	to subangular filnt	alum With	sand. Grav	el is fine to	medium angu	ular		TD				
2.00-2.50	В	9,9,7 7,2,2					:	medium SAND ba	ind fr	om 1.1m to	1.2m (TEF	RACE							
		N=18		1				DEFOSITS).								I:E			
2.80	D					7.28	2.80	Firm dark amy say	nd o	liabet.	11-01-11			· · ·		╠┋			
3.00-3.50	JJVVB	2,2,3 4,5,6					-	Firm dark grey sar angular to subrour	nded	flint and cha	MY CLAY. 21k (TERRA	Gravel is fine ACE DEPOSIT	S).						
		N=18					(1.10)						- /-		TD				
						6.18	3.90									: =			
4.00-4.45	U	45 blows					- 0.00	Stiff grey mottled of	orang	e brown CL	AY (AMPT	HILL CLAY).	_			ŀĖ			
				ĺ							•					l:E			
4.70	D															ĿE			
5.00-5.50 ·	JJVVВ	2,4,5				ľ	.												
J.00-0.50	3300	5,5,6 N=21					1									:			
		14-21				E	(3.10)								AMP				
						· •										:目			
		- 1				E							İ						
6.30-6.75	U 2	8 blows			. [F							ŀ			:目			
					ĺ	2 00	7.00						}	===					
r.00	D				İ	3.08	7.00			-						ŀΕ			
				İ	İ	E	1						1						
	l	- 1				ŧ													
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1			ŀ			Ė							1						
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İ						Ė													
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						-													
						Observati		Chis	elling)	Water	Added		SENER	ΔΙ				
Date	Time	De	epth	De	pth Ca	sing Dia. mm	Water Dpt	From T	ō	Hours	From	То		REMAR					
												N	o ground	dwater end	ounter	ed.			
-																			
		1					1												
Date	Time	St	rike	Mint	ıtes	Standing	Casing	-											
								7											
ll dimens			C	ontract	or/E	Priller		Method/Pla					ogged E	By	====	_:-			
- Sca	le 1:62.	5								Cable Percu	ıssive Rig		JJ L	LF					



				IXLI IO				BORE	HOL	E No	
roject						DL	700	20			
Northstowe	Date 02.07		Ground L	evel (m AOD) Co-Ordina	ites (OS)		Dr	HC0	20	
nb No 12170626	Date 02-07 03-07	7-07 7-07	1	1.137		10.613	N 266411.613	·			
Supervising Engineer	00 0.		Client								
JMC / LF / CW	//RLC		Gallagher Estates & English Partnerships						of		
SAMPLES & TES	rs				STRATA				_	7	<u>.</u>
Tost Tost	PID Result ppmv	Reduced Level	Depth Thick- ness)		DESCR	RIPTION	· · · · · · · · · · · · · · · · · · ·	Leg	end	Geology	Backfill
No Itesuit		wn slightly silty sand		884 -	/IG	H					
		10.84	ດຄວ່າ	topsoil. Sand	ND: Brown slie	htly grave	lly sand. Sand is fine ingular to subrounded	to 💥		/IG	Н
.70 JJJV .00-1.45 U 20 blows		velly ×	′੍ਰੈ ∤ .	то							
.00-1.45	. ↓	9.64	1 50	SILT. Gravel	is fine subangı	Jiar Hint (16	RRACE DEPUSITS)・ ×	×		目
.45 D	=		}	Medium dens medium suba DEPOSITS).	e buff very sar Ingular to subr	ounded cha	EL. Gravel is fine to alk and flint (TERRAC	E 0.0	50		
2.00-2.50 OPT 4,3,4 4,6,6								0.0	200		
N=20			:				• •	10/	50		.
3,00-3,50 CBT 1,1,4			-					0%	Λ <i>0 λ</i>	ŀ	Ξ
3.00-3.50 CBT 1,1,4 4,6,7 N=21								0,0	5.64	ł	Ė
							•	0	÷°0	TD	Ę
4.00 CPT 4,6,11			(4.80)	4.00 mbgi, b	ecoming dense) .		1º0	-0	.	Ė
15,16,8 N=50								0	0.44		
			E						004		
5.00 CPT 2,3,4			F					0	00		
5,8,10 N=27								°a	00		
			<u> </u>					90	000		
-		4.84	6.30			110 0 1	to madium to coorse	0	00	TD	
6.20-6.50 B SPT 2,2,3 5,6,6		4.64	-	is fine to coa	arse angular to i (TERRACE D	subanguia EPOSITS)	is medium to coarse. ar mostly black flint ar	"/[: ·		TD	
N=20			(1.00) 4 7.50	Grey to dark	grey SAND were (TERRACE	and is					
		3.64	Ţ-	Firm light a	ey SILT (TER	×	××	TD			
		3.14	(0.50) 4 8.00	Grey SANE	Sand is med	ium (TERR	ACE DEPOSITS).		×	TD	
		2.64	(0.50) 4- 8.50						· . · . ·	-	 :.
			E	Grey to light silt. Sand is	t grey slightly (medium to co	gravelly SA arse, Grav	ND with pockets of sa el is fine subangular t			TD	:
- 9.00 SPT 1,3,3	1	4.0	(0.80) 4 9.30	rounded ch	alk.				0		
3,5,6 N=17	1 1 1	1.8	-	Stiff to very	stiff CLAY wit MERIDGE CL	h bands of	very sandy silt and fi	ne		KIM	
.		1.1	(0.70) 4 10.00		WIENDGE OF			-			
Boring Progr	ess and Wa				Chiselling) 	Water Added		GENE		
Date Time	Depth De	Casing pth Dia.	mm Wa	ter Fron		Hours	From To		REMA		
					8			Groundw 1.5m.	ater en	counter	ed a
	,										
Date Time	Strike Mir	nutes Star	nding Cas	sing	-						
02-07-07	1.50				!						
		etos / Deilles		I	Method/Plant U	ised		Logged	Ву	_	
All dimensions in m Scale 1:62.5	etres Contra	ctor / Driller		.	TIODIOGE IDEE	Cable Per	cussive Rig		L	.F	_



Project	North	stowe			-		<u> </u>								BORE	IOLE	No				
Job No	NOI U I	SIOWE	T _D	ate .			Groun		evel (m. AOD)	To:	0 5 1	(0.0)			ВН	ີ ດວ	1				
	21706	326	"	U.	3-07	7-07 7-07	Groui		evel (m AOD)		Ordinates (•	66300.70		יווט	JUZ	. I				
Superv					3-07	1-01			9.600												
		LF / C	Λ/ / F	SI C					Client Gallagher Estates & English Partnerships							Sheet					
					_	 		_	Gallagner			Partnership	S		1	of 2					
SAIVI	PLES	& TES			ē	ļ				STF	RATA						ent				
Depth	Type No	Test Result	PID Depth	Result ppmv	Water	Reduced Level	Depth (Thick- ness)		DESCRIPTION							Geology	Instrument				
				- 1 E		9.40	0.20	M	ADE GROUNE OPSOIL.	D: Gras	ss over dar	k brown fine	to medium	sand	1 L. 11	TPS					
							(1.20)		ADE GROUND): Cob	bles and bo	oulders of α	oncrete.	/		MG					
						8.20	1.40								\bowtie						
1.40-1.70	В					7.80		Br fin	own clayey gra e to medium, a	avelly S	AND. San	d is fine to o	coarse. Grav	vel is	- <u></u>	מו	۱				
2.00	ОВТ	7,9,9		ı			-		POSITS). edium dense b	mwn S	AND and (SPAVEL S	and in fine t		· • · · · ·						
		11,10,11 N=41						∞	arse. Gravel is alk (TERRACE	fine to	coarse, ar	ngular to sul	brounded fli	int and	0						
3.00	ОВТ	3,4,7				ļ	-										l i				
		6,7,8 N=28				E	.				3						ŀE				
						-									0						
						Ė	_										E				
				- 1	ĺ	E	l														
					ĺ	ŧ															
					ł	E	.								. 0		問				
5.00	В					E	·										:				
					.	E															
						ţ															
6.00	CBIT	7,7,5 2,0,0				-										TD					
		N=7				Ē	(9.20)														
				1		Ē	- 1														
						F									0						
						Ē								ľ	· · ·						
					-	E								ļ	• • • •		:目				
3.00	В					Ę	1							ļ		ŀ	:目				
	-			1		- <u>-</u>								ŀ	°]	1.	:目				
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						Ė								ŀ	0		·目:				
				Wate	er C	bservati	ons		Chis	selling]	Water	Added	· (SENER	ΔΙ	. В				
Date	Time	De	pth	Dep	th	sing Dia. mm	Water Dpt		From	То	Hours	From	То		REMAR						
Date	Time	Stri	ike	Minu	es	Standing	Casing														
ll dimens	sions in le 1:62		Co	ntracto	r/D	riller			Method/PI					Logged I	<u>———</u> Зу	====					
30d	1.02								Cable Percussive Rig												



	F	ax						BC	DREHOL	E LOC	7						_(
Project	19-5	-						-	,					BO	OREHO	LE N	0		
-	orthst	owe			•										BHC	021			
lob No			Da	ate 03	3-07	-07	G	round	Level (m AOD)	Co-Ordina						-			
12	1706	26		03	3-07	-07	-		9.600	E 5410	07.722	N 26630	0.703	Shoot					
Supervis	ing En	gineer							Client					Sheet					
		LF/C	W/F	RLC					Gallagher I	Estates & En	glish Partn	erships			2 of				
SAME								STRATA									ner _		
SAIVII			PID	Result	Water	Reduce	Uced (Thick- DESCRIPTION								Legend	Geology	instrument Backfill		
Depth	Type	Test Result	Denth	ppmv	>	Level		k-)					8	<u> </u>					
10.00	В		1	-			F		Medium dense coarse. Gravel	brown SAND	and GRA	VEL. Sand	is fine to nded flint a	and	0		目		
				ļ			Ę		chalk (TERRAC	E DEPOSIT	S). (contin	ued)				TD			
					1	۱.	. F	1.00						H					
				Ì		-1.4	10F - 1	1,00	Grey SAND and	Gravel is f	fine,	0	l						
	1				-		Ė		angular to subf	ounded flint a	and chalk (PERRACE	DEFOSIT	3).					
			1	1			Ė.,,									то			
12.00	В		1			Ì	- E(1.8	30)											
12.00	"						ŧ										: 🖹		
				4		-3.	20 _	12.80				200001			<u> </u>		0		
	Ì		- 1		1		E		Stiff to very stif	f grey CLAY	(KIMMER	IDGE CLAY	').						
							[[,	20)								кім			
		1	1			1	F (,,	20)							1===	ł			
		İ		1		-4	.40	14.00									40.0		
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<u> </u>					Mot	or Ob	conveti	ons		Chiselling	 1	Water	Added		GEN	IERA			
-				pth	vval	Casin	servati g Dia. mm	<u> </u>	ater From	To	Hours	From	То		REM	ARK	S		
Dat	e	Time	DE	hui	De	pth C	ua. mm	+	- PI										
				Ì					1.0				. ,						
											[
191								1_											
Dat	te	Time	St	rike	Min	utes S	Standing	1 C	asing										

Logged By

LF

Method/Plant Used Cable Percussive Rig

Contractor / Driller

All dimensions in metres Scale 1:62.5



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Project	ما استعال	- 4										U.			BORE	IOLE	No	
Job No	vortns	stowe		\		-				_					DU	TAN T	2	
	21706	200				6-07	Grou		evel (m AOD)	Co	-Ordinates (OS)			BH	JUZ	4	
Supervi					28-00	5-07		1	1.621	E	541011.	432 N 2	66087.468					
	_	-		Di O					Client					Sh	neet			
		LF/C		RLC					Gallagher E	states	& English	Partnership	s		1 (of 1		
SAM	PLES	& TE			- la					STF	RATA				114		je je	
Depth	Type No	Test Result	PID Depth	Resul	_	Reduced Level	Depth (Thick- ness)			D	ESCRIPTIO	ON			Legend	Geology	Instrument/	
	1.					11.47	0.15	M	ADE GROUND	: Gra	ss over dar	brown slity	sand topsoil.		××××	MG	=	
0.50-0.70	ארון		0.50	0		11.42 11.37	0.20		and is fine to m					/		MG MG		
			0.55	10.72 0.90 MADE GROUND: Brown very sandy gravel Gravel is fine to											\otimes	MG		
1.00-1.50	SET	1,2,2		coarse angular to subangular brick and concrete. MADE GROUND: Dark brown slightly clayey gravelly sand. San														
1.50-3.00	าาาง	2,4,5 N=13	1.50	0	*		(1.00)	115	fine to coarse. ick, bitumen an	Grave	I is fine to n	htly clayey (nedlum ang	gravelly sand. S Jular to subang	Sand ular		סד		
			}]		9.72	1.90	Lo	ose to medium	dens	e orange m	ottled light g	rey and brown		- · · · · · ·			
2.00-2.50	SPT	2,2,4 4,6,6 N=20					(1.20)	ora Gr	ayey gravelly Sangular to subangange mottled ligarder to name	gular f iht ore	fint, with col	bble size po	ockets of soft		X X X X X X X X X X X X X X X X X X X	TD		
3.00	SEEDT	1,1,2				8.52	3.10	Ve	ery soft sandy s	ightly	gravelly SIL	T. Gravel is	s fine subangul	ar	×××			
		2,2,3 N=9				8.42	3.20	/to :	subrounded fiir	t(IE	RRACE DE	POSITS).	_	/	××××	TD		
3.10-3.50	BD					ˈ <u> </u>	(1.05)	Very soft to soft light grey SILT (TERRACE DEPOSITS). Very soft to soft brown slightly gravelly SILT with black peaty										
				'			_(1.55)	org	ganic matter. G gments (TERR	avel i	s fine anoul	ar to submi	unded shell		××××	TD		
4.10-4.55	U 1	50 blows			⊉	7.37	4.25								× × ×			
4.50-5.00	В				¥	6.92	4.70	/to s	irk grey very sa subrounded mo	istly b	lack flint.		_	lar /	8	TD TD		
4.60	D		-			6.72	4.90	Da	rk grey SAND a	and G	RAVEL. Sa	nd is mediu	m to coarse.	_/		KIM		
5.00	SPT	4,8,9 11,14,16	ļ			E	1	(TE	avel Is fine to a ERRACE DEPO	oarse OSITS	angular to s).	subangular	mostiy black flir	nt //				
		N=50		.		E	1	Gre	y SILTSTONE	(KIM	MERIDGE	CLAY).		_//				
5.80	SEPT	7,6,5 9,8,11 N=33		-			(2.10)	Str	ff to very stiff gr	ey CL	AY (KIMME	ERIDGE CL	AY).			кім		
	,					4.62	7.00							_				
						<u> </u>						(90)						
Bori	ing Pr	ogres	s and	Wat	er C	bservati	ons	T	Chic	elling	,	\\/ct==	٨٩٩٩٩					
Date	Time		epth	T		sing Dia, mm	Water	+		o O	Hours	Water /			SENER REMAR			
	Depth Dia mm Dp									-	riouis	FIOIII	То		CIVIPAR	NO.		
Date	Time	St	rike	Minu	rtes	Standing	Casing											
		4	.50			1.25												
ll dimens Scal	ions in e 1:62.		; Co	ontract	or / D	riller			Method/Pla		ed Cable Percu	regive D'-	Log	ogged By				
							<u> </u>			`	ANIC LEIGH	issive rag			LF		i	



	F	elephone: ax:					В	OKE	HOL	E LO	J		т		DELIO	I E NI	4
roject														B	DREHO	LE NO	1
No	rthste	owe					(00)								BHC)23	
ob No			Da	ite 26	3-06-	.07	Grour	nd Level (n			ates (OS)		0.400				
121	7062	6		26	3-06-	-07	9.700 E 540844.356 N 266116.102						6.102	She	ot .		_
upervisir	ng Eng	ineer					Client							Sile	1 of	1	
JM	/IC / L	F/CV	V / F	RLC			Gallagher Estates & English Partnerships							<u> </u>	1 01		5
SAMP	LES	& TES	TS				STRATA									6	
Depth	Type No	Topt		Result ppmv	Water	Reduced Level	(Thick-	noce)							Legend	Geology	Backfill
	140	-		-	-	9.60/	0.1	Grass o	ver dark	brown slig!	ntiy dayey sa	and TOPSO	IL. Sand is	5	3 · · · · ·	TPS TD	П
						9.45	0.2	100	nedium.	htty clavey	slightly grave	lly SAND. S	Sand is fine	e to		TD	l
					1		(0.95)	11 coarse	Dark brown slightly clayey slightly gravelly SAND. Sand is fine to coarse. Gravel is fine to medium, angular to subangular flint (TERRACE DEPOSITS).								
	Ì					8.50	1.2	O Brensen	to orange	a brown slic	htty clayey s	lightly grave	elly SAND.			\dashv	8 8
.20-1.65	SHOT	1,1,2 3,3,3	1.30	0	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \			N Conditi	- fina ta a	waree (ira	vel is fine to DEPOSITS	meululli, ai	ngular to			- 1	1
	ארוו	3,3,3 N=11			-		(1.20)		41.00		ones brown	eandy sligh	tly gravelly	1		TD	H
1.30	Į .		2.00	29.4			<u> </u>	1 (1 4)	[2001/O] 10	e tine to me	dium, angula m (TERRAC		44141 1111111				
2.00 2.00-2.40	ın' 100	70 blows	2.00	29.4		7.30	2.4	ю	ecc B -b-	A CH T	with year de	neely snace	d fissures.	. No	×××		
2 60	, D						Ē	C		ant teams are	DIR 4 DITI SE	inws veidua		luity	× × ×		
2.60							E	I with h	rown dec	omposed ro CE DEPOS	oots covening	planes. No	nyarocan	JUN	×××		
3.00-3.50	\$30T	1,1,1 2,1,2	3.00	0		,	E	Juoui	(1 100 11 10 11		- *-				×××		
3.00	SWPVT	N=6 1,1,1					(2.30)								×××	TD	
		2,1,2 N=6					E								×××	[]	
4.00-4.45	U	40 blow	s				E	1							×××		
	1				1	5.00	n	70							×	<u> </u>	
4.60 4.70-5.00	D B				¥	3.0	E	Dens	Dense dark grey sandy GRAVEL. Gravel is fine to coarse angular to subangular black flint (TERRACE DEPOSITS)					6	000	↓ TD	
5.00	СВТ	7,12,15			ļ	1 4 3	(0.65)	25							0.00		ŀÆ
	1	12,8,8 N=43				4.35	<u>, , , , , , , , , , , , , , , , , , , </u>	0.00	Stiff grey mottled brown CLAY (KIMMERIDGE CLAY). 5.50 mbgl, becoming not mottled brown with no hydrocarbon							}	
5.50-6.00	В						[,, 45	l odow	nogi, bed	20ming not	IIIOMEG DIO	vii vyiai iio ii	,,			KIM	
-						1	(1.15	'								-	
	1					3.2	0 6	.50			1				+=-	1	
6.50	SPT	9,12,1	4				Ē										1
.		N=40)				E										1.
		. 1		-	-	İ											'
•							ţ										
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	Borin	g Prog	ress	and	Wat	er Obse	rvation	Notor		Chisellin			To	1	REM	IARK	5
Date		Time	$\overline{}$	epth	De	Casing oth Dia	. mm	Water Dpt	From	То	Hours	From	10	1			
											1						
Date	- 	Time	S	rike	Mln	utes Sta	anding	Casing	ı								
	_		+	.70			1.45										
										<u></u>		<u> </u>		<u> </u>	gged By		_
All d			_			ctor / Drille			1 8 4	ethod/Plant	Liend			110	yyou Dy	LF	



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Project		stowe						· · · · · · · · · · · · · · · · · · ·			 		BORE	HOLE	ΞN			
Job No		stowe		7-4-							<u>.</u>	BHC024						
_		ene ·	'	Date ,	25-0	6-07	Grour	nd Level (m AOD)	Co-Ordinates				BH	CU2	4			
Supervi	2170				25-0	6-07		9.820	E 540683	3.225 N	266142.541	Ŀ						
		-		, 				Client				s	Sheet					
		LE/C							1 of 1									
SAM	PLES	& TE		1	- j		, .		STRATA						7			
Depth	Type No		PID	h Resul		Reduced Level	Depth (Thick- ness)	.hl·b b b =	DESCRIPT	ION			Legeno	Geology	Instrument			
					1	9.57	0.25	MADE GROUND	: Grass over da	rk brown gr	avel with topsoi	il and		MG				
0.40	JJJV		0.40	1 1 1 1 1 1 1 1 A REIL MIGHIER COVERED TO ADSTONE														
0.80	ארור		0.80	0.20 mbgl, flint and concrete also present. MADE GROUND: Brown gravelly sand. Sand is medium to coarse. Gravel is fine to medium concrete flint and care bitumes.														
1.00-1.50	SEREDT	1,3,5 6,6,8	İ															
		N=25		(4.55) (covered roadstone.														
			SAND. Sand Is fine to medium. Gravel Is fine subangular to subrounded filnt (TERRACE DEPOSITS).															
2.00-2.45	SPT	1,2,1																
	1	2,3,4 N=10		7.47 2.35 Firm orange brown sandy CLAY (TERRACE DEPOSITS)														
.50-3.00	BD			Firm light grey rarely mottled grange slightly sandy slightly														
.00-3.50	SENEDIT	1,1,2	gravelly SILT. Gravel is fine subangular to subrounded flint (TERRACE DEPOSITS).															
		2,2,3 N=9	3.20	3.00 mbal becoming grey/brown mottled dark grow with														
20	JJJV												, xo ;					
00.4.40	l	Ĺ					(3.05)				•		× · · × · ×	TD				
00-4.40	U	35 blows				Ė	1							10				
60						Ē							× ′∞ *					
	D					Ė							×o,× × ,					
00 .	SEPT	2,2,3 6,12,14			,	E							× Î×					
0-6.00	В	N=35			\$	4.42	5.40	Carry all the same of the same	241/251 2				× _{ox} ×					
0-0.00			- 1		[4.02	5.60	Grey silty sandy Gi subangular black fl	INT (I EKRACE	DEPOSITS	arse, angular to	0	000	TD	∴Ē			
0	SET	5,4,4				-		Soft grey CLAY (KI	MMERIDGE C	LAY).	<i>/</i>		× 1. × 1					
ł		5,7,8 N=24					(1.20)											
0-7.00	В						(1.20)	•				}		KIM				
0-7.25	U	80 blows			-	2.82	7.00											
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Bori	ing Pr	ogress	s and	l Wat	er O	bservati	ons	Chise	lling	Water	A-1.1.1				_			
ate	Time		epth	Dep		ing Dia. mm	Water	From To	(ENER	AL							
	<u> </u>							1 - 1	Hours	From	То		EMAR	NS				
							1											
ite	Time	C+	ike	NA:	-	Ota - J.	0	4										
			40	Minu	ies	Standing 1.86	Casing	+										
		0.	-					11 1										
limensi	ions in	metres	Co	ntracto	or/ D	riller		MothadiDi										
	e 1:62.				. , ,			Method/Plant Used Logged By Cable Percussive Rig										
										SOUND LAIR			LF					