

## ANNEX C Exploratory Hole and CPT Records

	nviron One Que	ens Drive		ду -	Proje	ect		E	BC	OREHO	DLE LO	DG			le No. E	3HA0	01	
E Telej	phone: (	am, B5 4PJ 0121 352 4 ax:	l 700		,					North	stowe					1 of	1	
Job No	1217	70626			Clier	nt				Galla	agher			Da		10-11- 10-11-	05 05	
Contracto	or / Dri	iller					t Used		L	ogged By	_	Co-Ordin E	ates (OS) 540033.372		Grour	nd Level		D)
			0.70	(	Cabl		rcussiv	e Rig		M	0		266853.581			8.8	00	Install
		ES & TE		v 12)	en n2)	er	Elev.	Depth				STRAT	A					Backfi Dia.
Depth	Туре	Result	II dd)	HSV (kN/m2)	P.P.	Water	(mAOD)	(Thick -ness)	0.1			escription					Geology	mm
-0.50-1.00	В						8.10	(0.70) 0.70		t brown sandy				:. <b>f</b>			TS	
-1.00	SPT	2,2,4 2,3,2 N=11(S)						 (1.10)	sub	n brown mottle rounded chalk	d grey slightly (TERRACE D	sandy gravel DEPOSITS).	y CLAY. Gravel	is tine	and		RT	
1.00-1.50	BD						7.00	- 1.80	1.00	a orango bro			is fine to mediur					
-2.00	SPT	4,2,2 2,2,3					6.50	(0.50) 2.30	(TE	RRACE DEPO	DSITS).					000	RT	
2.00-2.30	BD	N=9(SPT)	)						Firn	n grey slightly	sandy CLAY (/	AMPTHILL CI	_AY).					
-3.00 -3.00-3.50	SPT BD	2,2,2 3,3,4 N=12(SPT	-)															
-4.00	SPT	5,4,3 3,3,5 N=14(SPT	_															
4.00-4.50	BD	N-14(3F1	1					(4.70)									AMC	
-5.00	SPT	3,2,3 3,4,5 N=15(SPT	-)															
5.00-5.50	BD																	
-6.00	D																	
-6.50-6.90 	D	76 blows					1.80	- 7.00										
								-										
-								-										
								-										
								- - - -										
- - - -								-										
Date		Time		Bori Depth	ng Pr	rogres Casi	ss ng Dpt	Dia. (m	ım)	Water Dpt	Date	Time	Water S Strike	trikes Minut	es	Standing	Ca	asing
										P *								
		Chis	selling	1				W	Vater	Added								
Date		To		Hours		Т	ool	From		To	General Rem No groundwat	harks ter encountered	. I		I			
Sca	ale 1:62	2.5				ensio		etres. Lo	igs sl	hould be read	in accordance	with the prov	ided Key. Descri	iptions	are base	ed on visu	al and	

WSP EI		NSP	Ener	av					BC	OREHO	DLE LO	DG		Hole	BHAC	002	
(	One Que lirmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:		97	Proj	ect				North	stowe			Shee	et 1 of	1	
Job No	1217	70626			Clie	nt				Galla	agher			Date	e 10-11- 10-11-	05 05	
Contracto	or / Dri	ller					t Used rcussive	e Rig	L	ogged By M	0	E	ates (OS) 540672.796 267356.337		Ground Leve 6.1		D)
SA	AMPLE	ES & TE	STS									STRAT	A				Install Backfi
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription			Legend	Geology	Dia.
-0.50-1.00	В						6.04	0.10/ (0.80)	Firn	ss over brown n dark grey slig WORKED).		CLAY with roo	tlets (AMPTHIL	L CLAY		AMC	
-1.00 -1.00-1.50	SPT BD	1,2,2 1,1,2 N=6(SPT)					5.24	- 0.90	Firn dep	n becoming sti th (AMPTHILL	ff fissured gre . CLAY).	y mottled brov	vn CLAY. Becor	ming stiff			
-2.00 -2.00 -2.00-2.50	SPT BD	1,6,8 4,6,8 N=26(SPT	)					- - - - - - -									
-3.00 -3.00-3.50	SPT BD	3,4,3 4,4,3 N=14(SPT	)														
4.00 4.00-4.50	SPT BD	6,4,3 3,3,3 N=12(SPT	)					_(6.10) 								AMC	
-5.00-5.45 -5.50	U	55 blows															
-6.00 -6.50-6.95	D	80 blows															
-7.00	D						-0.86	- 7.00								-	
Date																	
- - - - -								-									
Date		Time	1	Bori Depth	ng Pr		ss ng Dpt	Dia. (m	חm)	Water Dpt	Date	Time	Water S Strike	Strikes Minutes	Standing	Ca	asing
From		Chis To	selling	l Hours		T	ool	V		Added To	General Rem	narks					
		-									No groundwat	ter encountered					
Sca	ale 1:62	2.5		es: A nual i				etres. Lo	ogs sl	hould be read	in accordance	with the prov	ided Key. Descr	riptions ar	re based on visi	ual and	

WSP E		NSP	Ener	av.				I	BC	OREHO	DLE LO	DG		Hole No	BHAC	003	
E	One Que Birmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:			Proje	ect				North	stowe			Sheet	1 of	1	
Job No	1217	0626			Clier	nt				Galla	igher			Date	10-11- 10-11-	-05 -05	
Contracto	or / Dri	ller					t Used rcussiv	e Rig	L	ogged By	0		ates (OS) 539765.085 267661.340	Gro	ound Leve 7.7		D)
SA	AMPLE	ES & TE	STS									STRAT	4				Install Backfi
Depth	Туре	Test Result	DID (Vmqq)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription				Geology	Dia.
							7.01	(0.70)	Gra	ass over brown	TOPSOIL.				<u>17 × 17</u> <u>17 × 17</u>	TS	
-1.00 -1.00-1.50 	5.6.6 N=23(SPT) 2.00 SPT 3.4.5 7.7.7 2.00-2.50 BD 3.00 SPT 8.8.9 8.10,4 N=31(SPT)														0	тр	
2.00-2.50 -3.00 -3.00-3.50 -3.70	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$														· · · · · · · · · · · · · · · · · · ·		
4.00 4.00 5.00	D							(3.30)								AMP	
-6.50 	SPT D	5,6,7 9,10,11 N=37(SPT	)				0.71	7.00									
				Borii	ng Pr	ogres	SS						Water Str	ikes			
Date		Time	[	Depth			ng Dpt	Dia. (n	nm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Ca	asing
Date		Chis To	selling	Hours		T	ool	V Fror		r Added To	General Rem No groundwat	arks er encountered.					
Sca	ale 1:62	2.5		es: Al nual io				etres. Lo	ogs s	hould be read i	n accordance	with the provi	ded Key. Descrip	tions are b	ased on vis	ual and	

WSP E	nviron		Energ					E	BC	OREHO	DLE LO	DG				HA0	10	
E	Birmingha phone: (	eens Drive am, B5 4PJ )121 352 4 ax:	700		Proje	ect				North	stowe			She		1 of	1	
Job No	1217	0626			Clier	nt				Galla	gher			Dat	1	6-10- 7-10-		
Contracto	or / Dri	ller		Met	hod/	Plan	t Used		L	ogged By		Co-Ordin	. ,		Ground	d Level	(m AO	D)
				(	Cable	e Pe	rcussiv	e Rig		DRIL	LER		540891.156 267187.474			6.0	33	
SA	AMPLE	ES & TE	STS									STRAT	A					Install Backfil
Depth	Туре	Test Result	(Judd)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick <u>-ness)</u>			De	escription				Legend	Geology	Dia. mm
-							5.63	- 0.40		PSOIL.					1	<u>x17</u> <u>x17</u> 17 x17	TPS	
0.50	INNAL	þ					5.23	0.80	Stiff	brown slightly	sandy slightly	gravelly CLA	Y (TERRACE DI	EPOSIT	ГS).	<u> </u>	TD	
-0.80 -1.00	D SPT	1,3,6					5.03	- 1.00	Firm	n grey brown s POSITS).	lightly sandy sl	ightly gravell	y CLAY (TERRA	CE		_o	TD	
		8,8,9 N=31(SPT	)					-(1.00)	Firm	n light grey sar	ndy CLAY (AM	PTHILL CLA	Y).				AMP	
1.00-1.50	В						4.03											
2.00-2.45	U	25 blows					4.03	- 2.00	Stiff	blue grey CLA	AY (AMPTHILL	. CLAY).						
-															-			
2.70	JJJVVE							- 							-		AMP	
- -3.10 _3.20-3.65	DU	30 blows													-			
_															-			目
-3.90	D						2.03	4.00	Stiff	arev CLAY wi	th thin weak si	Itstone band	S (AMPTHILL CL			==		
4.00 -4.00-4.45	D U	42 blows					1.53	- (0.50) 4.50									AMP	
4.50	D							-	Stiff	grey CLAY (A	MPTHILL CLA	Y).			-			
5.00	SPT	1,2,3 4,4,5																
5.00-5.50	B	4,4,5 N=16(SPT	)															目
-5.00	JJJAA							[(2.50)									AMP	
-6.20-6.65	U	45 blows																目
_															-			
-6.90	D						-0.97	- 7.00										日.
7.00	SPT	2,3,3 5,6,6 N=20(SPT	)															
-																		
-																		
-																		
-																		
-																		
								Ē										
-								-										
Date		Time	1	Bori Depth	ng Pr		ss ng Dpt	Dia. (m	ım)	Water Dpt	Date	Time	Water Strike	rikes Minutes	s S	tanding	Ca	asing
																		-
		Chis	elling					W	/ater	Added								
Date		То		Hours		Т	ool	From	1	То	General Rem No groundwat		I. Drillers descriptio	ons.				
			Niał	00: ^	II di	onci	no in ~	atros La	ae e'		n accordance	with the area	ided Koy Descri	otiona			al and	
Sca	ale 1:62	.5	mar	es: A nual i	ll dim dentif	ficatio	nis in me n.	erres. Lo	ys sr	iouia de read i	n accordance	with the prov	ided Key. Descrip	buons a	ne based	I ON VISU	iai and	

WSP EI		NSP	Ener	vr				E	BC	OREHO	DLE LO	DG		Hole		HAO	)11	
B	One Que Birmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:			Proj	ect				North	stowe			She		1 of	1	
Job No	1217	0626			Clie	nt				Galla	agher			Date	1	7-10-  7-10-		
Contracto	or / Dri	ller					t Used	e Rig	L	ogged By DRIL	LER	Co-Ordin E	ates (OS) 540884.077 267430.652		Ground	d Level		D)
S/		ES & TE	STS									STRAT						Install
Depth	Туре	Test Result	DIA (Nmdd)	HSV kN/m2)	P.Pen kN/m2)	Water	Elev. (mAOD)				De	escription				Legend	Geology	Backfi Dia.
							4.93	-ness) - - - (0.50) - 0.50	TOF	PSOIL.						$\frac{\sqrt{1}}{\sqrt{1}} \frac{\sqrt{1}}{\sqrt{1}}$	TPS	
0.50	D						4.63	- 1	Firn	n to stiff grey b	rown CLAY wi	th rootlets (TI	ERRACE DEPOS	SITS).			TD	
-0.80	JJJVVE						4.43	-					CE DEPOSITS).			<u> </u>	TD	
1.00 1.10 1.10-1.60 1.80 -2.00-2.45 -2.50 -2.70	D SPT JJJVVE U D D	2,2,3 3,3,4 N=13(SPT 18 blows	)				2.43	(2.00)	Firn	n blue grey CL	ay (ampthil	L CLAY).			-		AMP	
-3.00 -3.00-3.50	SPT B	1,1,2 2,2,3 N=9(SPT)	)				2.43	- 3.00	Firm	n to stiff grey C	CLAY. Becomir	ng very stiff w	ith depth (AMPT)	HILL CL	.AY).			
-3.40 -4.00-4.45	n 11	27 blows						- - - - - - -							-			
4.90 5.00 5.00-5.50 5.80-6.00 6.30-6.75	D SPT JJJVVE U	2,2,4 3,5,5 N=17(SPT 35 blows	)				-1.57	(4.00)									AMP	
-7.00	D																	
				Bori	ng Pr	ogres	s	LI					Water Str	rikes				
Date		Time	1	Depth		Casi	ng Dpt	Dia. (m	ım)	Water Dpt	Date	Time	Strike	Minutes	s S	itanding	Ca	asing
From		Chis To	selling I	Hours		T	ool	W From		Added To	General Rem No groundwat		I. Drillers descriptic	ons.				
Sca	ale 1:62	2.5				ensic		etres. Lo	igs sl	hould be read	in accordance	with the prov	ided Key. Descrip	otions ar	re basec	l on visu	al and	

WSP E		VSP	Enero	vr					BC	OREHO	DLE LO	DG		Hole No	BHAO	12	
B	One Que Birmingha phone: 0	ens Drive m, B5 4PJ 121 352 4 ax:			Proje	ect				North	stowe			Sheet	1 of	1	
Job No	1217	0626			Clier	nt				Galla	agher			Date	18-10- 18-10-		
Contracto	or / Dri	ller					t Used rcussive	e Rig	L	ogged By DRIL	LER	E	ates (OS) 541259.104 267367.304		und Level 5.5	•	D)
SA	AMPLE	S & TE	STS									STRAT	A				Install Backfil
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription			Legend	Geology	Dia. mm
							4.00	(0.60)	TOF	PSOIL.					<u>17 x 17</u>	TPS	
-0.90 -1.10	JJJJVVI D SPT	) 1,2,2 2,2,3 N=9(SPT)					4.99 4.69 4.49	- 0.90	Firm	n grey/brown C n to stiff light b n to stiff blue/g	lue/grey CLAY	(AMPTHILL		E DEPOSITS		TD AMP	
1.10-1.60 -2.00 22.00-2.45	B JVVD U	38 blows					2.89	-(1.60) - 2.70								AMP	
-2.70 -3.00 -3.00-3.50	D SPT JJJVVB	1,2,3 3,4,4 N=14(SPT	)				1.99	- - - - - - - - - - - - - - - - - - -		n grey CLAY (/		·				AMP	
-3.80 -4.00-4.45 	D U D	34 blows					1.69	-(1.00)		n grey CLAY (/						AMP	
-4.70 -4.90 -5.00 -5.00-5.50	D SPT	1,2,3 3,4,3 N=13(SPT	)				0.69	- 4.90 	Stiff	f dark grey lam	inated CLAY (	(ampthill c	ELAY).			AMP	
-6.30-6.75 -6.80 -7.00	D JJAA N	35 blows					-1.41	7.00									
Date																	
<u> </u>				Bori	ng Pr	Odres	ss	-					Water	Strikes			
Date		Time		Depth			ng Dpt	Dia. (m	nm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Ca	ising
From		Chis To		Hours			iool	Fron	n	Added To		ter encountered	I. Drillers descrip				
Sca	ale 1:62	.5			ll dim dentif			enes. Lo	ys sl	iouiu de read i	m accordance	with the prov	ided Key. Desc	inpuons are ba	Seu ON VISL	iai and	

WSP Er		VSP	Enor					I	BC	DREHC	DLE LO	DG		Ho	ole No. E	BHAG	)13	
B	One Que irmingha bhone: (	ens Drive am, B5 4PJ 121 352 4 ax:		ју _ 	Proje	ect				North	stowe			Sh	neet	1 of	1	
Job No	1217	0626			Clier	nt				Galla	igher			Da		20-07- 20-07-		
Contracto	or / Dri	ller					t Used	e Rig	L	ogged By C\	N		ates (OS) 539921.497 267697.705		Grour	nd Leve 8.4	I (m AC	DD)
SA	MPLE	ES & TE	STS									STRAT	A					Install Backfil
Depth	Туре	Test Result	(Vmqq)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription				Legend	Geology	Dia.
-0.00-0.30 -0.30-0.80	B B						7.67	(0.80)	me 0.3	dium flint with r	rootlets (TERF	ACE DEPOS	y slightly grave				тр	
-1.00-1.50	В						7.07	    (1.10)	sub	t Orange brown angular to rour POSITS).	n mottled light nded fine to m	grey sandy ve edium flint wit	ery gravelly CLA h rare chalk (TE	AY. Gra ERRAC	avel is CE		TD	
1.50	SPT	2,2,5 6,8,10					6.57	1.90	1.5	0 mbgl, becom	ing firm.						-	
- 1.50-2.00	B	N=29(SPT	)			<b>⊥</b> -	0.57	(0.80)	Me me	dium dense ora dium. Gravel is	ange brown SA angular to su	AND and GRA	VEL. Sand is n int (TERRACE	nedium DEPO	n fine to SITS).		TD	
-2.50 -2.50-3.00	SPT B	4,5,2 2,3,5 N=12(CPT	)				5.77	2.70	Stif	f dark grey CLA	AY with rare fo	ssils (AMPTH	ILL CLAY).					
-3.80-4.00	В	45 blows U100						-									- - - - - - - -	
4.50-5.00	В	failed between 3.8 and 4.3 49 blows U100 failed						[ - - - - - - - -									AMP	
	SPT	between 4.5 and 5 1,1,2 2,3,3						-										
- 5.01-5.50 -6.50 -	B SPT	2,3,3 N=10(SPT 1,2,3 3,5,6 N=17(SPT					1.47	7.00										
	В																	
								-										
1- 5- 5-								-										
	ı		<u> </u>	Borir	ng Pr	ogres	s	L					Water S	Strikes		<u> </u>		1
Date		Time		Depth		Casir	ng Dpt	Dia. (n	nm)	Water Dpt	Date 20-07-07	Time	Strike 2.00	Minu	tes	Standing 1.68	C	asing
From		Chis To	selling	lours		T	ool	V Fror		Added To	General Rem Groundwater		2m. Water level r	rose to 1	I.68m.			
Date Date Sca	lle 1:62	5				ensio		etres. Lo	ogs s	hould be read i	n accordance	with the provi	ded Key. Descr	riptions	are base	ed on vis	ual and	

WSP E		NSP	Ener	av					BC	OREHO	DLE LO	DG		Ho	ole No. E	<b>BHAO</b>	)14	
E	One Que Birmingha phone: (	eens Drive am, B5 4P. 0121 352 4 ax:			Proj	ect				North	stowe			Sh	ieet	1 of	1	
Job No	1217	0626			Clie	nt				Galla	agher			Da	ate	23-07- 23-07-	.07 .07	
Contracto	or / Dri	ller		Met	hod/	Plan	t Used		L	ogged By		Co-Ordina	. ,		Grour	nd Level	(m AC	D)
				(	Cabl	e Pe	rcussiv	e Rig		J	0		540117.408 267754.059			8.3	95	
SA		ES & TE						Depth				STRAT	Ą					Install / Backfill
Depth	Туре	Test Result	DIP (Vmqq)	HSV (kN/m2)	P.Pen (kN/m2	Water	Elev. (mAOD)				De	escription				Legend	Geology	Dia. mm
-0.00-0.50	В						7.90	- - - - (0.50)	Gra	iss over dark b ivel is subangu blogy.	rown slightly g Ilar to subroun	ravelly sandy ded fine to me	clay TOPSOIL dium flint and	with rar mixed	re roots.	1/ <u>1/</u> <u>1/</u>	TPS	
-0.50-1.00 -	В							(0.60)	Sof	t to firm brown	nded fine to m	ly sandy CLAY redium mixed	with rare roo lithology inclue	ts. Grave ding flint	el is		TD	
- - -1.20	SPT	1,2,2					7.30	- 1.10 -	Firn	RRACE DEPC n to stiff light g PTHILL CLAY	rey mottled da	rk grey CLAY	with rare brow	/n mottle	es			
 _1.20-1.70	в	3,3,4 N=12(SPT	)						7 (17)									
-	SPT	110						-										
-2.20		1,1,2 2,3,3 N=10(SPT	.)					(2.90)									AMP	
2.20-2.70	В							-										
-3.20	SPT	1,1,1 2,3,3																
3.20-3.70	В	N=9(SPT					4.40	- - 4.00										
4.20	SPT	2,3,3						Ē	Stiff silt	f dark blue gre (AMPTHILL CI	y CLAY with ra LAY).	are orange roo	ts and rare pa	rtings of	forange			
4.20-4.70	В	4,4,4 N=15(SPT	)						4.50	) mbgl, becom	ing fissured wi	ith rare fossils.						
	0.07							-	5.00	) mbgl, no ora	nge silt or root	S.						
-5.20		2,2,2 4,4,4 N=14(SPT	)					(3.00)									AMP	
5.20-5.70 	В																	
-6.50 -	SPT	3,2,3 4,5,5 N=17(SPT	.)				1.40	- 7.00										
_6.50-7.00 	В							Ē										
-																		
-								-										
								-										
-																		
	-				ng Pr	rogres							Water					
Date		Time		Depth		Casi	ng Dpt	Dia. (m	חm)	Water Dpt	Date	Time	Strike	Minut	tes	Standing	Ca	asing
			selling							Added	Oursel D							
From		To		Hours		Т	ool	Fron	n	То	General Rem No groundwat	arks er encountered.						
Date																		
Sca	ale 1:62	2.5	Not	es: Al nual i	ll dim	ensio	ons in me	etres. Lo	ogs sl	hould be read	I in accordance	with the provid	led Key. Deso	criptions	are base	ed on visu	ual and	
L			Ing	nual l	ucritti	incatic	<i>n</i> 1.											

WSP E	nviron		Enerç					I	BC	OREHO	DLE LO	DG		Hole	Bł	HA0	15	
E	Birmingha phone:	eens Drive am, B5 4PJ 0121 352 4 ax:	700		Proje	ect				North	stowe			Snee		1 of	1	
Job No	1217	70626			Clier	nt				Galla	igher			Date	18	8-07-( 8-07-(	07 07	
Contracto	or / Dr	iller		Met	hod/	Plan	t Used		L	ogged By		Co-Ordina	ates (OS) 540294.159	0	Ground	Level	(m AO	D)
				(	Cable	e Pe	rcussiv	e Rig		CI	N	N	267803.927			7.96	64	<u> </u>
S/	AMPLI	ES & TE	1	- Â	L Q	5	Elev.	Depth				STRAT	A					Install Backfil Dia.
Depth	Туре	Test Result	() () () () () () () () () () () () () (	HSV (kN/m2)	P.Pen (kN/m2)	Water	(mAOD)	(Thick -ness)				escription				egend	Geology	mm
-0.00-0.40	В						7.56	- 0.40	to s	ubangular fine	to medium flir	it.	TOPSOIL. Grave		······		TPS	
0.50-1.00	B SPT	1,3,3 4,3,3 N=13(SPT	)					(1.40)	is s	n light grey mo ubangular to rc RRACE DEPC	ounded fine to	rown sandy s medium flint v	lightly gravelly C with siltstone dus	LAY. Gra sting	avel         		TD	
1.01-1.50 -	В		1				6.16	- 1.80	01.0	<b>.</b>		h						
 -2.00 	U	60 blows							Sun	r dark grey liss	ured CLAY WI	n fare lossiis	(AMPTHILL CL4	ΑΥ).				
-3.00 	B	1,2,2 3,3,4 N=12(SPT						-										
-4.00	U	110 blows						(5.20)									AMP	
-5.00	SPT	2,2,3 5,5,7 N=20(SPT	)					-										
-6.00-5.50 -6.50 -6.50-7.00	B SPT B	6,5,6 7,8,9 N=30(SPT	)				0.96	7.00										
								-										
E				Bori		ogres		-					Water St	rikes				
Date		Time	[	Depth			ng Dpt	Dia. (m	ım)	Water Dpt	Date	Time	Strike	Minutes	Sta	anding	Ca	asing
Date		Chis To	selling	Hours		T	ool	V Fron		Added To	General Rem No groundwat	arks er encountered						
Sca	ale 1:62	2.5	Note	es: Al nual io	II dim dentif	ensic	ons in me	etres. Lo	igs sl	hould be read i	n accordance	with the provi	ded Key. Descri	ptions are	e based	on visu	al and	

WSP EI		NSP	Ener	av					BC	OREHO	DLE LO	DG		Hole	e No. B	HA0	16	
B	One Que lirmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:		97 -	Proje	ect				North	stowe			She		1 of	1	
Job No	1217	70626			Clier	nt				Galla	igher			Dat	1	17-07-0 17-07-0	07 07	
Contracto	or / Dri	iller		Met	hod/	Plan	t Used		L	ogged By		Co-Ordina	· · /		Ground	d Level	(m AO	D)
				(	Cable	e Pe	rcussiv	e Rig		Dril	ler		540508.219 267821.046			6.82	27	
SA		ES & TE	STS					Depth				STRAT	A					Install Backfil
Depth	Туре	Test Result	(Judd)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)					escription				Legend	Geology	Dia. mm
-0.50-0.90	в						5.93	(0.90) - 0.90	Gra: subi	ss over firm br rounded fine to	own slightly sa o medium of m	andy gravelly ( iixed lithology	CLAY. Gravel is (TERRACE DE	angular POSITS	r to S).		TD	
-1.00 -1.00 -1.00-1.50	SPT BD	1,2,3 3,3,2 N=11(SPT	)				5.93	- 0.90	suba	grey mottled t angular to sub 1.4m (TERRA	rounded fine o	of mixed litholo	gravelly CLAY. ogy. Gravel is ve	Gravel is ery rare	is -			
-2.00-2.45	U	45 blows						(2.90)							-		TD	
-3.00 3.00-3.50	SPT BD	1,2,2 3,4,5 N=14(SPT	)				3.03	- 3.80							-			
4.00-4.45	U	50 blows					3.03		Stiff mot	i dark grey to g tling to 4.4m ( <i>i</i>	rey fissured C AMPTHILL CL	LAY with rare AY).	fossils. Rare or	ange bro	own -			
-5.00 -5.00-5.50	SPT BD	2,3,4 4,5,5 N=18(SPT	)					(3.20)							-		AMP	
6.50 6.50-7.00	SPT BD	2,3,5 6,6,8 N=25(SPT	)				-0.17	7.00										
Date																		
								-										
		<b>T</b>			ng Pr								Water S			I	-	
Date		Time		Depth		Casi	ng Dpt	Dia. (m	-	Water Dpt	Date	Time	Strike	Minutes	is S	Standing	Ca	asing
From		To	selling	Hours		T	ool	 Fron		To	General Rem No groundwat	arks er encountered						
Sca	ale 1:62	2.5		es: A nual i				etres. Lo	ogs sh	nould be read i	n accordance	with the provi	ded Key. Descri	iptions a	are based	d on visu	al and	

WSP E		NSP	Ener	av				E	BC	OREHO	DLE LO	DG		Ho	le No. E	BHAO	)17	
E	One Que Birmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:		97	Proje	ect				North	stowe			Sh	eet	1 of	1	
Job No	1217	70626			Clier	nt				Galla	agher			Da		18-07- 18-07-	07 07	
Contracto	or / Dri	iller		Met	hod/	Plan	Used		L	ogged By			ates (OS)		Grour	nd Level	(m AO	D)
				(	Cable	e Pe	rcussiv	e Rig		CI	N		540469.889 267688.722			6.3	79	
SA		ES & TE	STS	1				Denth				STRAT	A			1		Install Backfil
Depth	Туре	Test Result	(Jud (Judd)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)				escription				Legend	Geology	Dia. mm
-0.00-0.50 _0.15	JJVV B						5.98	- 0.40	sub	rounded fine to	o medium flint	(TERRACE I	,				TD	
0.50-1.00	B	30 blows					5.18	(0.80) - 1.20	to s Firn	ubrounded fine	e to medium fli	nt (TERRACI	andy CLAY. Gra E DEPOSITS). rare selenite cr n (AMPTHILL C	ystals	ngular		TD	
-2.00 -2.00 -2.00-2.50	SPT B	1,1,2 2,3,3 N=10(SPT	.)															
-3.00-3.45	U	60 blows																
3.45	D																• • •	
4.00 4.00-4.50	SPT	1,2,3 3,3,4 N=13(SPT	.)					-(5.80)									AMP	
-5.00-5.45	U	70 blows																
5.45	D																	
- - - - -																		
6.50 6.50-7.00	SPT B	1,2,3 3,5,6 N=17(SPT	)				-0.62	7.00										
[				Bori	ng Pr	ogres	s	<u> </u>					Water S	Strikes				
Date		Time	1	Depth		Casi	ng Dpt	Dia. (m	ım)	Water Dpt	Date	Time	Strike	Minute	es	Standing	Ca	asing
Date		Chis To	selling	l Hours		T	001	W From		Added To	General Rem No groundwat	arks er encountered						
Sca	ale 1:62	2.5		es: A nual i				etres. Lo	igs sl	hould be read i	in accordance	with the prov	ded Key. Descr	riptions	are base	ed on visu	ial and	

WSP E		NSP	Ener	gy				E	BC	OREHO	DLE LO	DG				HAO	18	
B	One Que Birmingha phone: (	eens Drive am, B5 4P. 0121 352 4 ax:		37	Proje	ect				North	stowe			She		1 of	1	
Job No	1217	70626			Clie	nt				Galla	igher			Dat	1	9-07- 9-07-		
Contracto	or / Dr	iller		Met	hod/	Plan	t Used		L	ogged By			ates (OS) 540312.460		Ground	Level	(m AC	D)
					Cabl	e Pe	rcussiv	e Rig		D	F	N	267599.775			7.8	26	1
SA	AMPLI	ES & TE	-	. Ñ	د ھ			Depth				STRAT	A					Install Backfi Dia.
Depth	Туре	Test Result	DIP (Vmqq)	HSV (kN/m	P.Pen (kN/m2)	Water	Elev. (mAOD)	(Thick -ness)				escription				•	Geology	mm
-0.00-0.40	В		0				7.43	E Í		iss over dark b ivel is angular t			clay TOPSOIL m flint.	with root	lets.		TPS	
0.50-1.00	В							-	ang	ular to subang	orange brown ular fine flint w	slightly grave /ith fissured s	lly sandy CLAY. It pockets (TER	Gravel RACE	is			
-1.00-1.45	U	30 blows							DEI	POSITS).					~			
1.45	D														•	· ·		
- - -								-(2.60)	_								TD	
2.00	SPT	1,1,2 2,3,3 N=10(SPT	.)							0 mbgl, becom enite crystals.	ing firm to stiff	with siltstone	dustings with o	ccassior	nal ·			
2.00-2.50	В		ĺ												•			
3.00-3.45	U	40 blows					4.83	- 3.00	Stif	f dark grey CL	AY with rare or	ange mottling	and rare seleni	ite crysta	als -			目
3.45	D								(Alv	IPTHILL CLAY	).				-			
-	0.077																	
4.00	SPT	1,2,2 3,3,5 N=13(SPT	.)												•			
4.00-4.50	В																	
5.00-5.45	U	50 blows						- (4.00)									AMP	
5.45	D																	
-																		
-															•			
6.50	SPT	2,2,3 4,4,5													•			
6.50-7.00	В	N=16(SPT	)				0.83	- 7.00										
-																		
- - -																		
-																		
-																		
- 																		
-																		
Date		Time		Bori Depth	ng Pr		ss ng Dpt	Dia. (m	m)	Water Dpt	Date	Time	Water S Strike	trikes Minutes	s St	anding	Ca	asing
From		Chis To	selling	) Hours		т	ool	W From		Added To	General Rem	arks						
FIUIII		10		JUUIS		I		FIUIT		10		er encountered						
Date	ale 1:62	2.5			II dim dentif			etres. Lo	gs sl	hould be read i	n accordance	with the prov	ded Key. Descr	iptions a	re based	on visu	al and	

WSP E		NSP ment & I	Ener	av				I	BC	OREHO	DLE LC	)G		Hole		BHA0	19	
E	One Que Birmingha phone: (	eens Drive am, B5 4PJ )121 352 4 ax:			Proj	ect				North	stowe			She	et	1 of	1	
Job No	1217	0626			Clie	nt				Galla	igher			Date		19-07- 19-07-		
Contracto	or / Dri	ller		Met	hod/	Plan	t Used		L	ogged By		Co-Ordina			Grour	nd Level	(m AC	D)
				(	Cabl	e Pe	rcussiv	e Rig		C\	N		540083.529 267601.794			8.7	98	
SA	AMPLE	ES & TE	STS									STRAT	4					Install Backfi
Depth	Туре	Test Result	(Judd)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)				scription				Legend	Geology	Dia. mm
-0.20-0.40	в		0			1	8.40	- (0.60)	Gra Bro Gra	wel is angular	to subrounded	fine to mediu avelly sandy C	clay TOPSOIL v m flint. CLAY with rare r n flint (TERRAC	ootlets.	S.		TPS TD	
- - - - - - - - - - - - - - - - - - -	SPT BD	3,6,6 10,10,13 N=39(SPT	)			Ţ.	7.80	1.00 (1.20)	Der coa	nse orange bro	angular to subr	ey very grave ounded flint a	lly SAND. Sanc nd mixed litholo	l is fine t ogy	0		TD	
2.00	SPT B	7,9,7 7,7,6 N=27(SPT	)				<u>6.60</u> 5.80	-(0.80)	Gra	n light grey mo ivel is angular f RRACE DEPC	to subangular f	rown slightly s ine to mediun	andy slightly grant of the slightly grant of	avelly Cl one dusti	LAY. ings		TD	
-3.00 3.00-3.50 -4.00-4.35 -5.00	SPT BD U SPT	1,3,3 3,4,5 N=15(SPT 150 blows 1,2,3 4,4,6							Stiff CL4	f dark grey with AY).	n rare brown me	ottling CLAY v	vith rare fossils	(AMPTH	11LL		AMP	
6.50 6.50-7.00	BD SPT B D	2,3,3 4,5,5 N=17(SPT					1.80	7.00										
Date																		
		1		Bori	ng Pi	rogres	SS .	L]					Water St	trikes	1	1		1
Date		Time	1	Depth		Casi	ng Dpt	Dia. (m	nm)	Water Dpt	Date 19-07-07	Time	Strike 1.00	Minutes	3	Standing	Ca	asing
From		Chis To	selling	l Hours		T	001	W From		Added To	General Rema No groundwate							
Sca	ale 1:62	2.5		es: A nual i				etres. Lo	igs sl	hould be read i	n accordance	with the provid	led Key. Descri	ptions ar	re base	ed on visu	al and	

WSP E		NSP	Ener	av				ĺ	BC	OREHO	DLE LO	DG		Hole		HAO	20	
B	One Que lirmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:			Proje	ect				North	stowe			Shee	et	1 of	1	
Job No	1217	70626			Clie	nt				Galla	igher			Date	•	13-09- 14-09-	07 07	
Contracto	or / Dri	iller					t Used	e Rig	L	ogged By LF /	CW		ites (OS) 539860.842 267485.958		Groun	d Level 8.5		D)
SA	AMPLE	ES & TE	STS									STRAT	4					Install Backfil
Depth	Туре	Test Result	DID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription				Legend	Geology	Dia.
-0.10-0.30	JJJ						8.48	c0.10		iss over dark b ivel is angular t			medium sand T	OPSOIL.	. /	<u> </u>	TPS TD	
-0.50	D						8.08 7.88		∖ <u>to s</u> ∖Bro	ubangular fine wn slightly clay	flint (TERRAC	CE DEPOSITS	ID subsoil. Grav ;). AND. Gravel is a		/	• • • • • • • • • • • • • • • • • • •	TD	
-1.00	SPT	5,9,9 11,12,12 N=44/ 0.26(SPT)	)					 [(1.30)	Ora	angular fine fli inge brown gra rounded fine to velly from 1m (	velly medium medium chal	to coarse SAN	ID. Gravel is an coming light bro	gular to own and v	////	· · · · · · · · · · · · · · · · · · ·	TD	
1.00-1.45 1.00-1.50	D B						6.58	2.00	1 : 1						4-	· · · ·		
1.00-1.45 -2.00-2.50 -2.50	D B SPT	1,2,5 5,10,11						- -(1.00)	coa	rse flint and ch	andy GRAVE alk (TERRAC	E DEPOSITS	gular to subrour	naea fine		0.00	TD	
2.50-3.00 -2.50-2.95 2.50-3.00 -2.50-2.95	B D B D	N=31(SPT	)				5.58	- 3.00					casional pocket om 4m (AMPTH		ly			
3.00-3.50 -3.00-3.50 -3.50 -3.50	B JJV SPT	1,1,2 2,3,3 N=10(SPT	.)															
3.50-4.00 3.50-3.95 -3.50-4.00 3.50-3.95	B D B D							(4.00)									AMP	
-5.50	SPT	1,2,2 3,3,4																1 · · 🗆
		N=12/ 0.26(SPT)																
							1.58	- 7.00										
								-										
								- - - -										
Date		Time		Bori Depth	ng Pr		ss ng Dpt	Dia. (m	nm)	Water Dpt	Date	Time	Water St Strike	trikes Minutes		Standing	C	asing
							5-2		.,									
		Chis	selling	1				v	Vater	Added								
Date From Sca		То	-	Hours		Т	ool	Fron		То	General Rem No groundwat	narks ter encountered.	1					
Sca	ale 1:62	2.5			II dim dentif			etres. Lo	igs sl	hould be read i	n accordance	with the provid	led Key. Descri	ptions are	e base	d on visu	ial and	

WSP Er		VSP	Ener	gy _				E	BC	OREHO	DLE LO	DG				BHA0	21	
B	One Que irmingha bhone: 0	ens Drive m, B5 4PJ 121 352 4 ax:			Proje	ect				North	stowe			She	eet	1 of	1	
Job No	1217	0626			Clier	nt				Galla	igher			Da		09-07- 09-07-		
Contracto	or / Dri	ller					t Used	e Ria	L	ogged By C\	N		ates (OS) 539897.869 267331.679		Groun	id Level 8.5	•	D)
SA		S & TE	STS									STRAT						Install /
Depth	Туре	Test Result	(Amdd)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				De	escription	· ·			Legend	Geology	Backfill Dia. mm
-0.00-0.30	В			=			8.25	-ness) - - 0.30					OPSOIL with f			<u>xn</u> xn	TPS	
-0.30-0.70 -0.30-0.70 -	B B		0				7.85	0.70	Darl	k brown and o vel is angular	range brown cl to subangular f	layey gravelly fine to mediu	SAND with rai m of flint. rare r E DEPOSITS).	re rootlet			TD TD	
-1.00 -1.00-1.50 -1.01-1.50 -1.50 -2.00 -2.00 -2.01-2.50 -3.00 -3.00 -3.00 -3.00 -3.01-3.50 -4.00-4.50 -4.00-4.50 -4.00-4.50 -5.00 -5.00 -5.01-5.50 -6.50 -6.50 -6.50 -6.50 -7.00 -6.50 -7.00 -6.50 -7.00 -6.50 -7.00 -6.50 -7.0	B JJVV SPT B B B SPT B B B SPT SPT	4,12,12 13,13,12 N=50(CPT 1,0,0 2,3,8 N=13(CPT 1,0,0 2,6,9 N=17(CPT 5,10,15 8,17(CPT 2,2,3 5,10,15 8,17(CPT 2,2,3 5,10,12 N=30(CPT 1,2,3 3,3,4 N=13(SPT					2.05 	(5.50)	Orau PDEF Mecc angg DEF	nge brown slig nded fine to me OSITS). lium dense ora ular to subang POSITS).	htly gravelly S. edium of flint. S ange brown slig ular fine to coa	AND and GR Sand is fine to ghtly clayey S arse flint. San slightly sand MPTHILL CL	AVEL. Gravel	RACE	RACE		TD AMP AMP	
		Time Chis To	elling	Depth			ss ng Dpt	Dia. (m	/ater	Water Dpt Added To	Date 09-07-07 General Rem	Time	Water Strike 2.50	Strikes Minute	25	Standing 1.50	Ca	asing
	ale 1:62		Not		ll dim	ensic	ns in me				Very wet from	1.0m	ided Key. Desc	priptions a	are base	d on visu	ial and	

WSP E		NSP ment &	Ener	av				E	30	REHC	DLE LO	DG		Hole		BHA0	22	
B	One Que Irmingha phone: (	eens Drive am, B5 4PJ )121 352 4 ax:	ı		Proje	ect				North	stowe			Shee	et	1 of	1	
Job No	1217	0626			Clie	nt				Galla	agher			Date	-	06-07- 09-07-		
Contracto	or / Dri	ller					t Used		Lo	ogged By			ates (OS) 540082.417		Groun	d Level		D)
				(	Cabl	e Pe	rcussiv	e Rig		LF /	CW		267365.896			8.9	43	
SA	AMPLE	ES & TE		76	u (2	5	Elev.	Depth				STRAT	A					Install Backfil Dia.
Depth	Туре	Result	(Vmqq)	HSV (kN/m2)	P.P.	Water	(mAOD)	-ness)		<u> </u>		escription				Legend		mm
0.50-0.90 0.50-0.70 0.90 1.00 1.00 1.20-1.60 2.00 2.00 2.00 -3.00	B JJJV D SPT D B SPT B B SPT	2,3,8 13,14,13 N=48(SPT 6,8,9 7,6,6 N=28(SPT 2,3,4 3,4,4 N=15(SPT	-) -)			<b>1</b> <u>−</u>	7.74	-(1.00) - 1.20	to su Soft suba 0.80 Med	ubangular fine to firm dark b angular fine fli mbgl, becom ium dense bro	e flint (TERRA rown slightly g nt (TERRACE ing brown mot	CE DEPOSIT ravelly sandy DEPOSITS). ttled red.	CLAY. Gravel is	s angular Gravel is	to		TD	
3.00 3.00 4.00 4.00 4.00 5.00 5.00 5.00	B SPT B SPT B B B	2,4,3 3,3,5 N=14(SPT 2,3,3 4,5,7 N=19(SPT					2.94			se brown slint	thy arayely SA	ND Sand is	medium to coars	se Grave	st is		TD	
6.50 6.50 -6.50 -7.80 -8.00	SPT B B SPT	4,3,3 2,1,2 N=8(SPT) 3,4,3 5,5,7	)				0.94	(2.00)	angu 7.80 sizeo	ular to subrou mbgl - from 7 d pieces of gr	nded fine flint a 7.8m brown/gre ey silt.	and chalk (TE	CLAY (AMPTHIL	SITS).	vel		TD AMP	
8.00-8.45	DD	N=20(SPT													·/			
Date		Time		Bori Depth	ng Pr	ogres Casii	ss ng Dpt	Dia. (mr	n)	Water Dpt	Date	Time	Water S Strike	itrikes Minutes		Standing	Ca	asing
-7.80 -7.80 -8.00-8.45 -8.00-8.45 			selling				001	<u>v</u>	ater	Added To	06-07-07 General Rem Damp at 1.7m	narks	1.70					-
Sca	ale 1:62	2.5		es: Al nual io				etres. Log	gs sh	ould be read	in accordance	with the prov	ided Key. Descr	iptions ar	e base	d on visu	al and	

WSP E		NSP ment &	Ener						BC	OREHO	DLE LO	DG		Hole I	Bł	HA0	23	
E	One Que Birmingha phone: (	eens Drive am, B5 4P. 0121 352 4 ax:			Proje	ect				North	stowe			Sheet		l of	1	
Job No	1217	70626			Clier	nt				Galla	igher			Date	10	)-07- )-07-	07 07	
Contracto	or / Dri	iller					t Used	e Rig	L	ogged By C\	N		ates (OS) 540259.808 267375.471	6	Ground	Level		D)
SA	AMPLE	ES & TE	STS									STRAT	A					Install Backfi
Depth	Туре	Test Result	DID (DpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription			L	egend	Geology	Dia. mm
-0.00-0.30 -0.00-0.30 -0.30-0.80	B JJVV B		0 0				8.18	- 1	root	tlets. Gravel is	subrounded fi	ne angular flir	v sand TOPSOIL nt. layey gravelly S/			<u>, ,,,</u> 	TPS	
-1.00-1.45	U	60 blows						 (1.70)	root	tlets. Gravel is	rounded fine a	ngular flint (1	ÉŔŔĂĊĔ DÉP	OSITS).			TD	
-							6.48	- 2.00								·		
-2.00 2.00-3.00 2.00-3.00	SPT B JJVV	5,3,2 3,5,3 N=13(SPT	)			1		-(1.20)	rour	t to firm grey binded fine flint (	rown slightly sa weathered AIV	andy gravelly IPTHILL CLA	CLAY. Gravel is Y).	s angular ti	0  -  -  -  -		AMP	
-3.00	SPT	3,3,3 3,4,5				Ţ	5.28	- - 3.20		) mbgl, water s								
3.00-3.50	в	N=15(SPT	)						Fim bele	n dark grey CL emnites) (AMP	AY with freque THILL CLAY).	ent fissures ar	nd rare fossils (p	oyritised	-  -  -  -			
4.00-4.50	В	0 blows U/100 failed between 4.0 and	0															
	n 11AA	4.5mbgl. 55 blows						-(3.80)									AMP	
-6.50 -6.50-7.00	SPT B	1,2,3 3,4,5 N=15(SPT	.)				1.48	- 7.00										
- - - - - - - - - - - - - - -								-										
Date																		
- - - -								- - -						1				
Date		Time		Bori Depth	ng Pr	ogres Casi	ss ng Dpt	Dia. (m	וm)	Water Dpt	Date	Time	Water S Strike	trikes Minutes	Sta	anding	Ca	asing
											10-07-07		3.00					
From		Chi: To	selling	l Hours		Т	ool	V Fron		Added To	General Rem							
											Very damp fro	m 2.0m						
Sca	ale 1:62	2.5		es: A nual i				etres. Lo	ogs sl	hould be read i	n accordance	with the prov	ided Key. Descr	iptions are	based	on visu	al and	

WSP E	nviron		Energ	gy _				E	BC	OREHO	DLE LO	DG				SHAC	24	
E	lirmingh phone:	eens Drive am, B5 4PJ 0121 352 4 ax:	1 700		Proje	ect				North	stowe			She	eet	1 of	1	
Job No	1217	70626			Clier	nt				Galla	agher			Da		16-07- 16-07-		
Contracto	or / Dr	iller					t Used rcussive	e Rig	L	ogged By J(	C	E	ates (OS) 540507.090 267439.008		Groun	d Level 6.5	•	D)
SA	AMPLI	ES & TE	STS									STRAT	Ā					Install / Backfill
Depth	Туре	Test Result	DID (Vmqq)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				De	escription				Legend	Geology	Dia.
-0.00-0.40	В						6.14						elly clay TOPSOI mixed lithology.	L with r	are	<u>str</u> str	TPS	
-0.40-0.90 -0.60-0.60 	B JJVV	45 blows					0.14	- 0.40	Firn	n brown to ligh	<u> </u>	v sandy slight	ly gravelly CLAY	. Grave	el is		TD	
-1.50-1.95		43 blows					5.04		Stiff	arey mottled	brown closely	fissured CLA	Y (AMPTHILL CL	AY)			-	_
1.95	D						4.54	E(0.50) E 2.00	1.60	) mbgl, rare lig	ht grey/white s	silty dustings.	elenite crystals (A				AMP	
2.50	SPT	1,2,2 8,7,4 N=21(SPT							CLA		jiey iissuieu e							
2.50-3.00	B	60 blows	1															
- 	D																	
4.50 4.50-5.00	SPT B	1,3,3 3,4,5 N=15(SPT	.)					- (5.00) 									AMP	
- 5.50-5.95	U	55 blows																1 . H
5.95 6.50	D	2,3,3 5,5,5															- - - -	
- 	В	0,0,0 N=18(SPT	.)				-0.46	- 7.00										
<u> </u>				Bori				<u>E</u>					Water St	rikee				
Date		Time	[	Depth		ogre: Casi	ng Dpt	Dia. (mr	m)	Water Dpt	Date	Time	Strike	Minute	es s	Standing	Ca	asing
			selling	1					ator	Added								
Date From Sca		Cnis		Hours		T	ool	V		To	General Rem Damp from 1.							
s Sca	ale 1:62	2.5		es: Al nual io				etres. Log	gs sl	hould be read	in accordance	with the prov	ided Key. Descri	ptions a	are base	d on visu	ial and	

WSP E		NSP	Ener	av				E	BC	OREHO	DLE LO	DG		Ho	ole No.	3HA0	25	
E	One Que Birmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:			Proje	ect				North	stowe			Sh	neet	1 of	1	
Job No	1217	70626			Clier	nt				Galla	agher			Da	ate	16-07- 16-07-	07 07	
Contracto	or / Dri	iller					t Used rcussive	e Rig	L	ogged By J(	C		ntes (OS) 540700.223 267597.355		Grou	nd Level 5.5		D)
SA	AMPLE	ES & TE	STS									STRAT	Ą					Install / Backfill
Depth	Туре	Test Result	DID (DmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription				Legend	Geology	Dia. mm
-0.00-0.40 -0.20	B						5.20	-	Gra root		tion over brow	n slightly sand	y clay TOPSC	OIL with I	rare		TPS	
-0.40-0.90	В						0.20	- (0.50)			mottled light b avel is rounde	orown and grey d fine flint (TE	y slightly sand	ly slightly OSITS).	y		TD	
-1.00-1.45	U	30 blows					4.70 4.40	F 1	Firn	n to stiff dark g	rey mottled ora	-				© ` `	AMP	
		No Shoe					1.10				ed grey mottled	l orange and b	prown CLAY (	AMPTHI	ILL			
-2.00	SPT	1,1,1 1,2,3							2.00	) mbgl, becom	ing grey only.							
2.00-2.50	В	N=7(SPT)																
	U	30 blows																
3.45	J																	
- 4.00	SPT	1,2,2 2,3,3 N=10(SPT						-(5.80)									AMP	
4.00-4.50 4.00	B JJV	10(5) 1	1															
 -5.00-5.45 -	U	35 blows																
- 	J																	
-6.50 -	SPT	2,3,3 4,5,5 N=17(SPT	.)				-1.40	7.00										
[6.50-7.00	В																	
2 - 																		
								2										
Date		Time	I	Bori Depth	ng Pr		ss ng Dpt	Dia. (m	ım)	Water Dpt	Date	Time	Water Strike	Strikes Minut	tes	Standing	Са	asing
		Chie	selling	1				١٨	/ater	Added								
From		То		Hours		Т	ool	From		To	General Rem No groundwat	arks er encountered.		I				
Sca	ale 1:62	2.5	Not mai	es: A nual i	ll dim dentif	ensic ficatio	ons in me on.	etres. Lo	ıgs sl	hould be read i	in accordance	with the provid	ded Key. Deso	criptions	are bas	ed on visu	al and	

WSP EI		NSP	Ener	av				E	BC	OREHO	DLE LO	DG		Hole		SHAC	)26	
B	One Que lirmingha	eens Drive am, B5 4PJ 0121 352 4 ax:	J		Proj	ect				North	stowe			She	et	1 of	1	
Job No	1217	70626			Clie	nt				Galla	gher			Date		18-07- 18-07-	07 07	
Contracto	or / Dri	iller					t Used		L	ogged By		Co-Ordina E	ites (OS) 540908.799		Groun	d Level		D)
				(	Cabl	e Pe	rcussiv	e Rig		DI	F		267626.090			5.5	06	Install
SA	AMPLE	ES & TE		2)	- - -	5	Elev.	Depth				STRAT	4					Install Backfi Dia.
Depth	Туре	Test Result	(Vmqq)	(kN/m	P.Pen (kN/m2)	Water	(mAOD)	(Thick -ness)				escription				-	Geology	mm
-0.00-0.30 -0.20-0.20 -0.50-1.00 -0.50-1.00	B JJVV B B						5.11	- 0.40 -	ang Soft	ular to subrour t to firm grey m	nded flint. nottled orange	brown sandy	SOIL with roots. slightly gravelly ( ERRACE DEP	CLAY. G	Gravel		TPS	
-1.50-1.95	U	30 blows						 (1.90)									TD	
-2.50 -2.50-3.00	SPT	1,1,1 2,3,3 N=9(SPT)	)				3.21	2.30	Firn	n dark grey fiss	sured CLAY wi	th rare brown	mottles (AMPTI	HILL CL	AY).			
-3.50-3.95	U	50 blows															- - - - - -	
3.95 -4.00-5.00 -4.50	D JJVV SPT	1,2,2 3,3,3						(4.70)									AMP	
4.50-5.00 	в	N=11(SPT						-									- - - - -	
-5.95 - - - - - - - - - - - - - -	D	ou blows																
-6.50 -6.50-7.00	SPT B	1,3,3 4,5,5 N=17(SPT	-)				-1.49	- 7.00									-	
								-										
- - - - - - - -								-										
-								-										
Date		Time		Bori Depth	ng Pr		ss ng Dpt	Dia. (m	ım)	Water Dpt	Date	Time	Water St Strike	trikes Minutes	5	Standing	Ca	asing
Date			selling	-			-			Added								-
From		To		Hours		T	ool	From		To	General Rem No groundwat	arks er encountered.	I		I			
Sca	ale 1:62	2.5	Not mai	es: A nual i	II dim dentif	ensic	ons in me on.	etres. Lo	gs sł	hould be read i	in accordance	with the provi	ded Key. Descri	ptions a	re base	d on visı	ual and	

WSP Er		NSP	Ener	av				E	BC	OREHO	DLE LO	DG		Hole		HAO	27	
( B	One Que irmingha bhone: (	eens Drive am, B5 4PJ 0121 352 4 ax:			Proje	ect				North	stowe			Shee		1 of	1	
Job No	1217	70626			Clier	nt				Galla	agher			Date	1	7-07- 7-07-		
Contracto	or / Dri	ller					t Used rcussiv	e Rig	L	ogged By	F		ates (OS) 540920.405 267477.468		Ground	Level		D)
SA	AMPLE	ES & TE	STS									STRAT						Install
Depth	Туре	Test Result	DID (Judd)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				De	escription				Legend	Geology	Backfil Dia. mm
-0.00-0.50 -0.15-0.15	B JJVV							<u>-ness)</u> (0.50)	Gra	ss over firm br ular to subrour	own slightly gr nded fine mixe	avelly sandy of the lithology inc	clay TOPSOIL.	Gravel is		<u> 17</u> (17)	TPS	
-0.50-1.00	B	56 blows					5.08		Firm	n arev mottled	brown and ora	ange brown sli	ghtly sandy slig medium flint (T	htly grave ERRACE	ellv			
1.45	D						3.58	(1.50) - - - - 2.00							-		TD	
-2.00 -2.00-2.50	SPT B	1,1,2 2,2,3 N=9(SPT)						(1.00)	Stiff	grey CLAY wi	ith rare brown	mottles (AMP	THILL CLAY).				AMP	
	U	40 blows					2.58	- 3.00	Stiff	dark grey fiss	ured CLAY (A	MPTHILL CLA	AY).					
	U	50 blows																
4.40 4.40-4.90	SPT B	1,1,2 2,2,3 N=9(SPT)						(4.00)	5.00	) Rare fine sel	enite crystals.						AMP	
-6.50-6.95 -6.95	U D	65 blows					-1.42	7.00							-			
Date																		
-								-										
Date		Time		Bori Depth	ng Pr		ss ng Dpt	Dia. (m	ım)	Water Dpt	Date	Time	Water St Strike	trikes Minutes	S	tanding	Ca	asing
From			selling	-					/ater	Added To	General Rem	arks						
Sca	ale 1:62	2.5	Not	es: A nual i	ll dim	ensic	ons in me	etres. Lo	gs sł	nould be read i		with the provi	ded Key. Descri	ptions are	e based	l on visu	ial and	

WSP E		NSP		av				E	BC	OREHO	DLE LO	CG		Hol	e No. E	3HA0	28	
E E	One Que lirmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:	J		Proje	ect				North	stowe			She	eet	1 of	1	
Job No	1217	0626			Clie	nt				Galla	agher			Da	ite	10-07- 10-07-	07 07	
Contracto	or / Dri	ller					t Used rcussiv	e Rig	L	ogged By C\	N	E	ates (OS) 540348.459 267177.812		Grour	nd Level 8.2		D)
S/	AMPLE	ES & TE	STS									STRAT	A					Install / Backfill
Depth	Туре	Test Result	DID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription				Legend	Geology	Dia.
-0.20-0.70	в							-(0.75)		ss over dark b lets. Gravel is			sand TOPSO	IL with ra	ire	<u>112 117</u>	TPS	
-0.70-1.40 -0.75-1.40 -1.00	B JJVV SPT	1,3,2 2,3,3	0			<b>1</b>	7.47	-(0.65)	ang	dium dense ye ular to rounde POSITS).	llow brown slig d fine flint. Sar	ghtly clayey gr nd is fine to co	avelly SAND. ( barse (TERRA)	Gravel is CE		0.0	TD	
1.40-1.80 1.80-2.00	B	N=10(CPT	0			Ŧ	6.82	1.40 (0.80)	Mec grey	dium dense ye y very sandy si	llow brown slig It (TERRACE	ghtly clayey S DEPOSITS).	AND with rare	oockets o	of light		TD	
1.80-2.00 -2.00 -2.20-2.60	JJVV SPT B	1,2,1 3,4,3 N=11(SPT	-)				6.02	- 2.20	Mec (TE	dium dense gro RRACE DEPC	ey brown thinly OSITS).	y laminated cl	ayey SAND an	d soft SIL	_T			
-3.00	SPT	1,2,2 3,6,8 N=19(SPT	_															
3.00-3.50 	B	2,2,1						(2.80)	4 00	) mbal 1 ban	ts becoming c	ravelly Grav	el is fine angula	ar to roun	nded	× · × · · × · × · × · × · × · × · ×	TD	
- - - - -	В	1,2,3 N=7(SPT)								. 2. some blac						× × × × × ×		
-5.00-5.50	В						3.22	(0.70)		y slightly claye (TERRACE D		GRAVEL. Gra	vel is angular t	o rounde	ed fine	• • • • •	TD	
							2.52	- 5.70	Stiff	f dark grey CL/	AY (AMPTHIL	L CLAY).						
-6.00 	SPT B	2,1,3 4,5,5 N=17(SPT	-)					(1.30)									AMP	
- - - - -							1.22	7.00										
-																		
- - - - - -																		
Dete		Tim -			ng Pr	ogres			<b>m</b> )	Motor Dut	Detr	Time	Water			Storell		ole -
Date		Time		Depth		Casi	ng Dpt	Dia. (m	m)	Water Dpt	Date 10-07-07	Time	Strike 1.40	Minute	es	Standing	Ca	asing
		Chie	selling	1				W	/ater	Added								
Date		To		Hours		Т	ool	From		То	General Ren Damp from 1.		1]		1			
Sca	ale 1:62	2.5		es: Al nual i				etres. Lo	gs sł	hould be read	in accordance	with the prov	ided Key. Desc	riptions a	are base	ed on visu	al and	

WSPE		NSP	Energ	IV					BO	REHC	DLE LO	DG		H	lole No.	BHAC	29	
[	One Qu Birmingh ephone:	eens Drive am, B5 4PJ 0121 352 47 ax:	0		Proje	ect				North	stowe			S	Sheet	1 of	1	
Job No	1217	70626			Clier	nt				Galla	agher			C	Date	12-09- 13-09-		
Contract	or / Dr	iller					t Used rcussiv	e Rig	Lo	ogged By	F	E	ates (OS) 540076.606 267244.587	) ,	Grou	Ind Level 8.6		D)
S		ES & TE	<u> </u> 979									STRAT						Install
Depth	Туре	Test Result	· · ·	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription	^			Legend	Geology	Backfil Dia.
-0.00-0.20	BJJJV	v l					8.38	-ness) - 0.30 - - - - (0.50)	angu Brow	lar to subang	ular fine flint. velly fine to me	edium SAND.	and TOPSOIL. Gravel is ang		lis		TPS TD	
-0.50 -0.80-1.00 -1.00 -1.00 -1.00-1.50 -1.00-1.45 -1.00-1.50 -1.00-1.45 -1.00-1.45	D BJJJV SPT B D B D D	5,10,9 9,10,12 N=40/ 0.26(CPT)					6.38	(1.50)	Oran subro 1.1m	nge brown gra ounded fine t	nt (TERRACE ivelly fine to cc to medium flint ivelly from 2m	arse SAND. and chalk. B	Gravel is angu ecoming light l	lar to brown f	from		TD	
2.00 2.00-2.50 -2.00-2.45 2.00-2.50 -2.00-2.45 2.30-2.50 -3.00-3.50	SPT B D JJJV B	1,2,4 5,11,12 N=32(CPT					0.30		Light				d fine to mediu (TERRACE DI					
-4.00-4.50 	B							- - - - - - - - - - - - - - - - - - -									TD	
	B	3,3,3					2.08 		Prob		ely strong grey γ CLAY (KIMM			GE CLA	Y).		AMP	
 6.70-7.15  	D	5,5,7 N=20(SPT)								<u>blue dark gre</u>		<u>IERIDGE CD</u>	<u>47).</u>					
- - - - -		Time	1		ng Pr	-				Water Det	Date	Time	Water		utes	Standing		
Date		Time	elling	epth		Jasi	ng Dpt	Dia. (n	Nater A	Water Dpt	Date	Time	Juine			Standing		asing
From		To	H	lours			ool	Fror	m	То		ermine groundv	vater strike depth				1	
Sc	ale 1:6	2.5			ll dim dentif			etres. Lo	ogs she	ould be read	in accordance	with the prov	ided Key. Deso	cription	s are bas	sed on visu	ial and	

WSP E		VSP	Enero	1V				E	BC	OREHO	DLE LC	)G		Hol	e No.	BHAC	30	
E	One Que Birmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:			Proj	ect				North	stowe			She	eet	1 of	1	
Job No	1217	0626			Clie	nt				Galla	agher			Da	ite	16-07- 16-07-		
Contracto	or / Dri	ller		Meth	nod/	Plan	t Used		L	ogged By		Co-Ordina	tes (OS)		Grou	nd Level	(m AC	D)
				C	Cabl	e Pe	rcussiv	e Rig		JI	N		539954.244 267133.289			8.2	98	
SA	AMPLE	ES & TE	STS									STRATA	٨		•	-		Install Backfil
Depth	Туре	Test Result	UIA (Judd)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	scription				Legend	Geology	Dia. mm
-0.00-0.30 -0.15-0.15	JJVV B							(0.60)	tops		grass and veg angular fine flin		rown slightly g	gravelly s	and		MG	
-0.50-1.00	В					1	7.70	-	Ora	inge brown to t	prown very san prown flint (	dy GRAVEL. TERRACE D	Gravel is angu EPOSITS).	ilar to			TD	
-1.00 -1.50-1.50 -1.50-1.95 -2.00 -2.50-3.00	SPT JJVV U SPT B	5,7,12 14,14,15 N=55(SPT 30 blows 6,11,21 20,9 N=50/ D.185(SPT				Ţ		(3.20)			use brown sand to coarse flint of				SITS).		TD	
-3.00 -3.50-3.95 -3.95 -4.00	SPT U SPT	4,9,16 21,13 N=50/ 0.21(SPT) 50 blows 2,2,3					4.10	4.20		0 mbgl, becom	ing silty. dy SILT (TERF		ITS)			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
4.50-5.00 -5.00 -5.50-5.95 -5.95	B SPT U D	4,4,3 N=14(SPT 0,1,2 3,3,3 N=11(SPT 60 blows					2.20	- 	5.00 is fi	0 mbgl, becom ne subangular/	ing pale grey a /subrounded fili	nd slightly sar nt.	ndy, slightly gr		iravel		TD	
6.50	SPT B	1,2,3 4,6,6 №=19(SPT	)				1.30	(0.90) 7.00			ured CLAY with			LAT).			AMP	
Date																		
Data		Time			ng Pr	ogres		Dia (m		Watar Dat	Data	Timo	Water Strike		26	Standing		
Date		Time		Depth		Casi	ng Dpt	Dia. (m	,	Water Dpt	Date 16-07-07	Time	Strike 1.00	Minute	es	Standing		asing
From		To	elling	lours		Т	ool	From		To	General Rema							
		- 5	Note	es: Al	I dim	ensic	ons in mo	etres. Lo	ıgs sl	hould be read i	No groundwate		led Key. Desc	riptions a	are bas	ed on visu	ial and	
Sca	ale 1:62	.5				ensic ficatio		etres. Lo	igs sl	hould be read i	in accordance v	with the provid	led Key. Desc	riptions a	are bas	ed on visu	al and	

WSP Environment & Energy One Queens Drive Birmingham, B5 4PJ Telephone: 0121 352 4700 Fax:       Project         Job No       Client         Job No       Client         Gallagher         Contractor / Driller       Method/Plant Used Cable Percussive Rig       Logged By CW       Co-Ordinates (OS) E 539955.059 N 266993.024         SAMPLES & TESTS       STRATA	Sheet Date Grou	1 of 13-07 13-07	-07	
12170626     Gallagher       Contractor / Driller     Method/Plant Used     Logged By     Co-Ordinates (OS)       Cable Percussive Rig     CW     E 539955.059 N 266993.024		13-07		
Cable Percussive Rig         CW         E 539955.059 N 266993.024	Grou	und Leve	-07	
			el (m AC 359	D)
				Install
Depth     Type     Test Result     Control for the		Legend	Geology	
Image: Construction of the second	h rare barse		TD	mm
1.00       SPT       3.8.11 12.10.6 N=39(SPT)       1.10         1.10-1.60       B       -39(SPT)         -2.00       SPT       2.3.3 4.3.4 VN=14(CPT)       0         2.00-2.50       JJVV	brown e flint	· · · · · · · · · · · · · · · · · · ·	TD	
3.00     SPT     3.4,5     0       -3.00     SPT     3.4,5     0       -3.00     SPT     3.4,5     0       -3.00	l is fine	×o × ×o ×o × × × × ×	TD	
4.00 SPT 2.2.4 8,14,15 N=41(CPT) 2.86 4.50 Carse yellow orange and brown slightly clayey slightly sandy GF Sand is medium to coarse. Gravel is angular to rounded fine to finit (TERRACE DEPOSITS).	medium		TD	
-     Yellow brown slightly clayey SAND and GRAVEL. Gravel is ang rounded fine to medium flint. Sand is medium to coarse (TERR/ DEPOSITS).       5.00     SPT       -     2.86       5.50	ACE	0	TD	
-5.50-6.00       B         -6.10-6.60       B         -6.10-6.60       B			TD	
			AMP	_
Boring Progress       Water Strik         Date       Time       Depth       Casing Dpt       Dia. (mm)       Water Dpt       Date       Time       Strike       r         Image: Chiselling       Image: Chiselling       Water Added       Image: Chiselling       Image: Chiselling       Scale 1:62.5       Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descript				
Boring Progress         Water Strik           Date         Time         Depth         Casing Dpt         Dia. (mm)         Water Dpt         Date         Time         Strike         If	kes Minutes	Standing		asing
Date     Time     Depth     Casing Dpt     Dia. (mm)     Water Dpt     Date     Time     Strike     T       Image: Strike     Image: St	viitutes	Standing		2011Y
From       To       Hours       Tool       From       To       General Remarks         No       groundwater encountered. Sands blowing from       Scale 1:62.5       Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descript	_	sed on vis	ual and	

WSPE		NSP ment & I	Ener	av				E	BC	OREHO	DLE LO	DG		Hol	e No. E	BHAC	)32	
	One Que Birmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:			Proj	ect				North	stowe			She	eet	1 of	1	
Job No	1217	70626			Clie	nt				Galla	agher			Da		11-07- 11-07-		
Contract	or / Dri	iller					t Used	e Rig	L	ogged By C\	N		ates (OS) 540171.752 267031.989		Grour	nd Level 9.3		DD)
S	AMPLE	ES & TE	STS									STRAT						Install /
Depth	Туре	Test Result		HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription				Legend	Geology	Backfill Dia.
-0.20-0.70	B	1,4,4 10,11,10	0			1	8.12	-ness) - - -(1.20) - - - - - - - - - - - - - - - - - - -	root	lets. Gravel is	rown slightly c angular to roi	unded fine flin	t. (possibly rev	vorkeed i	n part).	$\frac{\langle M_Z \rangle}{\langle M_Z \rangle} \frac{\langle M_Z \rangle}{\langle M_Z \rangle} \langle $		
1.20-1.60 1.20-1.60	B JJVV	N=35(SPT						-	flint	(TERRACE Ď	,		avel is angular	to round	ed fine			
-2.00	SPT SPT JJVV	4,8,10 10,11,13 N=44(SPT 6,19,30 20 N=50/ 0.115(SPT	0							-	al becoming ve							
-4.00-4.50 -4.60 	B	8,9,11 12,22,5 N=50/ 0.232(CPT						_(5.50) 	4.60	) mbgl, grave l	becomes fine r	nedium with c	occasional coa	rse grave	el.		TD	
							2.62 2.32	- 1	Stiff	dark grey fiss	ured and very	thinly laminate	ed CLAY (AMF	PTHILL C	CLAY).	· · · · · · · · · · · · · · · · · · ·	AMP	
Date																		
				Bori	ng Pr	rogres	ss						Water	Strikes				
Date		Time	1	Depth		-	ng Dpt	Dia. (m	nm)	Water Dpt	Date 11-07-07	Time	Strike 1.20	Minute	es	Standing	Ca	asing
From From Science Science Sc	ale 1:62	То	Not	Hours	II dim	ensic	ool ons in me	From	n	Added To nould be read	General Ren Sands blowing	g from 4m bgl.	ded Key. Desc	criptions a	are base	ed on visu	ual and	

WSP E		NSP	Ener	av				E	BC	OREHO	DLE LO	DG		Hole	В	HAC	)33	
B	One Que Irmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:			Proje	ect				North	stowe			Shee	et	1 of	1	
Job No	1217	0626		1	Clier	nt				Galla	agher			Date		11-07- 11-07-	07 07	
Contracto	or / Dri	ller					Used		L	ogged By		Co-Ordin E	ates (OS) 540309.289		Groun	d Level		D)
				(	Cable	e Pe	rcussiv	e Rig		CI	N	N	266987.942			8.9	62	<u> </u>
SA	AMPLE 	ES & TE		ر م	د م	5		Depth				STRAT	A					Install Backfil Dia.
Depth	Туре	Test Result	(Judd)	HSV (kN/m2)	P.Pe (kN/m	Water	Elev. (mAOD)	(Thick -ness)			De	escription				Legend	Geology	mm
- -0.20-0.70 -0.20-0.70 -	JJVV B		0				8.26	(0.70) 0.70	Gra: root	ss over dark b lets. Gravel is	rown slightly cl angular to roui	ayey gravelly nded fine flint	sand TOPSOI	L with freq		<u>112 112 11</u> 1 <u>17 117</u> 11 116 116	TPS	
-1.00 -1.00-1.50 -1.50-2.00 -2.00	SPT B B SPT	3,5,6 9,10,10 N=35(CPT 3,4,8 8,8,13 N=37(CPT	0			<b>1</b> <u>−</u>			Den to ro	ise yellow brov bunded fine flir	vn slightly clay nt. Sand is fine	ey SAND and to coarse (T	I GRAVEL. Gra ERRACE DEP(	ivel is angı DSITS).	ular			
2.00-2.50 2.00-2.50 	B JJVV SPT B	4,5,8 11,14,11 N=44(CPT	,					(6.00)									TD	
4.00 4.00-4.50 5.00 5.00-5.50	SPT B SPT B	4,6,9 11,11,8 N=39(SPT 1,3,7 7,6,6 N=26(SPT	,						5.00	) mbgl, becom	becomes fine f							
-							2.26 1.96	-			ured and very PTHILL CLAY)		ed CLAY with r	are fossils	3		AMP	
Date																		
					ng Pr	ogres							Water S		1			· 
Date		Time		Depth		Casi	ng Dpt	Dia. (m	-	Water Dpt	Date 11-07-07	Time	Strike 1.40	Minutes	S	Standing	Ca	asing
From		То		Hours	ll dim		ool	From	n	Added To	General Rem Standing wate	r level after 14	hours is 1.4m.	riptions are	e baser	d on vieu		
Sca	ale 1:62	2.5		es: Al nual io				eues. LO	ıys sr	iouiu pe lead	in accordance	with the prov	ueu ney. Desc	npuons are	e pase	u uri visl	10 10	

			NS		Enor					TRIAL F	PIT LO	G		Hol	le No.	[PA0	01	
003	Oı Biri	ne Que mingha	ens E am, B§	Drive 5 4PJ		у – 	Project							She	eet			
	Teleph		)121 3 ax:	352 4	700					North	stowe					1 of	1	
Job I		1217	062	26		(	Client			Galla	agher			Da		21-11-	05	
Cont	ractor	/ Dri	ller			Meth	hod/Pla	nt Use	d	Logged By		Co-Ordina	· · /		Grour	nd Level	(m AO	D)
							JC	CB 3C>	<	JN	1C		539755.637 267613.149			7.9	90	
S	SAMP	LES	& TE	ST	S						STF	RATA						Install / Backfill
De	pth	Туре	(Judd) DID	USH (Cm/N4)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick <u>-ness)</u>				cription				_	Geology	
0.20		JJJV					7.69	(0.30) 0.30	coarse an	er dark brown very gular to subround	ed flint.					<u><u>v</u><u>v</u><u>v</u><u>v</u><u>v</u><u>v</u><u>v</u><u>v</u><u>v</u><u>v</u><u>v</u><u>v</u><u>v</u></u>	TPS	
_ _0.50 _	ı	IJJVB						- - - - - -	Moderatel clay. Grav	ly compact orange rel is fine to coars	e brown sandy e angular to su	GRAVEL with brounded flint	rare roots to 0 (TERRACE D	.7m and EPOSIT	l rare S).		TD	
-							6.99	(0.30)	Moderate to mediun	ly compact light bi n subangular to su	rown slightly gr ubrounded flint	avelly fine to (TERRACE [	medium SAND. DEPOSITS).	Gravel	is fine	0	тр	_
- - 1.50		JJVB					6.69	1.30 - -	Moderate angular to	ly compact light bi subrounded flint	rown slightly sa (TERRACE D	andy GRAVEL EPOSITS).	Gravel is fine	to coars	se	0.00 00.00 0000		-
-							5.99	(0.70) - 2.00								0000		
08 WSP TP LOG STANDARD #NORTHSTOWE MASTER DEC 2011.GP1 WSPETEMPLATE1.03.GDT 16/211																		
WE MI								Length		Shoring/Support:	Date	Time	Water S Strike	trikes Minute	es	Standing	Rer	narks
HSTO	4		-2					2.	.00m				Suno	·····ut		Starionig		
			A			1		Width										
							■ 0.6	0.	.60m	Stability:	General Rem	harks						
			С						on ees from north	Unstable below 0.8m			. Groundwater er	icountere	ed at 1.4r	n.		
78 WSF	Scale	1:31	.25				ll dimens dentificat		metres. Log	is should be read	in accordance	with the provi	ded Key. Desci	iptions a	are base	ed on visu	al and	

M	/SP Er	viron			Energ	IV					PIT LO	G		Hole N	D. TPA0	02	
	C Bi	One Qu irmingh hone:	eens D am. Bt	Drive 5 4PJ	-		Project			North	stowe			Sheet	1 of	1	
Jol	b No	1217	7062	26		(	Client			Galla	agher			Date	21-11-	05	
Co	ntracto	or / Dr	iller			Meth	nod/Pla J(	nt Use CB 3C		Logged By JN	1C		ates (OS) 539815.818 267591.923		ound Level 8.0		D)
	SAMF	PLES	& TE	STS	3						STF	RATA		I			Install / Backfill
1	Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Dese	cription			Legend	Geology	
-							7.86	-		er dark brown very	v sandy clay T( led flint.	OPSOIL with r	are roots. Grav	vel is fine to	<u>17</u> <u>17</u>	TPS	
- - - - - - - - - - - - - -	0	JJJAB					7.80	 - - (1.10) - 	Moderate SAND wi	ly compact orange th rare light brown n angular to subro	e brown slightly and light grey	pockets and b	ands of sand.	to coarse Gravel is fine	· · · · ·	TD	-
1.5	0	JJJVB					6.76	  _(0.50)	Firm grey	sandy slightly gra ed flint (TERRAC	velly CLAY. G E DEPOSITS).	ravel is fine to	medium suba	ngular to		TD	_
2.0	0	в					6.26	1.80 		grey SILT with ra	re roots and ro	ot channels (1	ERRACE DEI	POSITS).			_
- - - 2.8	0	IJ						- -(1.20) - - -							× × × × × × × × × ×	TD	
							5.06	3.00 - - - - - - - - - - - - - - - - - -							x x		-
								Length		Shoring/Support:			Water	Strikes	1		
NDARD #NORTHSTOWE			— 2 A				B 0.6	Width	2.00m 0.60m	Stability:	Date General Rem	Time	Strike	Minutes	Standing	Rei	marks
			С					1	rees from north	Stable	Pit walls stabl	e to base. No g	roundwater enco				
20 ON	Scal	e 1:31	.25		Note man	es: Al ual io	l dimens dentificat	ions in ion.	metres. Log	gs should be read	in accordance	with the provi	aea Key. Desc	riptions are b	ased on visu	ual and	

	SP En	viron			Ener	11/				TRIAL F	PIT LO	G		Hole No	TPA0	03	
	O Bir	ne Que mingha none: (	eens E am, B§	)rive 5 4PJ			Project			North	stowe			Sheet	1 of	1	
Job		1217	7062	26			Client			Galla	agher			Date	21-11-	05	
Con	itracto	r / Dri	iller			Met	hod/Pla J(	nt Use CB 3C2		Logged By JN	1C	Co-Ordina E N	ates (OS) 539749.590 267550.056		ound Level 7.9		D)
	SAMP	LES	& TE	ST	S						STR	ATA					Install / Backfill
D	epth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Desc	cription			Legend	Geology	
-							7.67	(0.30)	to mediur	er dark brown sligh n angular to subro	ntly clayey sligh ounded flint.	ntly gravelly sa	and TOPSOIL.	Gravel is fine	<u>17</u> - <u>N</u> 17	TPS	
		711A ATTC					6.17	- - - - - - - - - - - - - - - - - - -	to subrou the east a organic d	ly compact orange nded flint. Becomi and north faces on lay with rare fine g	ng light brown ly between 0.8	and white from m and 1.4m c	n 0.7m. MADE omprising soft	E GROUND: C		TD	
		_	_	_	_	_		Length	00m	Shoring/Support:	Date	Time	Water Strike	Strikes Minutes	Standing	Rer	marks
	<b>⊨</b>		— 2 A C				B 0.6 ¥	Width C Orientat	00m 60m ion rees from	Stability: Unstable	General Rem	arks	ter encounterd a				
	Scale	e 1:31	.25		Note mar	es: Al iual io	ll dimens dentificat	ions in	north	gs should be read	in accordance	with the provi	ded Key. Desc	criptions are b	ased on visu	ual and	

w	SP En		NS		nerc	1V					PIT LO	G		Hole	e No. <b>TPA0</b>	03A	
	C Bi	ne Que mingha	eens D am. B5	Drive 5 4 P.J	-		Projec	İ		North	stowe			She	eet 1 of	1	
Job	No	1217	7062	26			Client			Galla	agher			Dat	te 21-11	-05	
Cor	ntracto	r / Dr	iller			Met	hod/Pla J	ant Us CB 3C		Logged By JN	١C		ates (OS) 539749.590 267550.056		Ground Leve	el (m AC 970	DD)
	SAMP	LES	& TE	STS	3						STR	ATA			l		Install / Backfill
D	Depth	Туре	DID (DpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOE	Dept (Thick -ness)			Desc	ription			Legend	l Geology	
-							7.6	(0.30)	Grass ov to mediu	er dark brown sligl m angular to subro	htly clayey sligh ounded flint.	ntly gravelly sa	and TOPSOIL.	Gravel is	s fine $\frac{\underline{x}^{1} \overline{t}_{z}}{\underline{t}_{z}} \frac{\underline{x}^{1}}{\underline{t}_{z}}$	TPS	
	1	JJV					7.1	(0.50)	Firm brow subround (TERRA)	wn slightly gravelly led flint. Base of st CE DEPOSITS).	sandy CLAY. ( trata lower on s	Gravel is fine outh and wes	to coarse angu t faces extend	ular to ing to 1m			
- - - - -								[(0.70]	Moderate to subrou	ely compact orange inded flint (TERRA	e brown sandy CE DEPOSITS	GRAVEL. Gra S).	avel is fine to c	oarse ang	gular 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	тр	-
DWE N								Length	2.00m	Shoring/Support:	Date	Time	Water Strike	Minute	s Standing	Re	marks
ARD #NORTHSTC D	<b>≼</b>		— 2 A				Б 0,6	Width	0.60m	Stability:	_						
IP LOG STAND	L		С				<u> </u>	Orienta deg	tion grees from north	Stable	General Rem Pit walls stable		roundwater enco	ountered.			
12W 80	Scale	e 1:31	.25		Note man	es: Al ual i	ll dimen dentifica	sions ir ition.	i metres. Lo	gs should be read	in accordance	with the provi	ided Key. Desc	criptions a	are based on vis	sual and	

w	SP En		NS men		Energ	av –				TRIAL P	PIT LO	G		Hole N	TPA0	04	
	0	ne Que mingha one: (	eens D am, B§	Drive 5 4 P J	-		Project			North	stowe			Sheet	1 of	1	
Job		217	7062	26			Client			Galla	agher			Date	21-11-	05	
Con	tractor	/ Dri	iller			Met	hod/Pla J(	nt Use CB 3C>		Logged By JN	١C		ates (OS) 539799.589 267520.851	G	round Level 8.0		D)
5	SAMP	ES	& TE	STS	3						STR	ATA					Install / Backfill
De	epth	Туре	DID (DmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Desc	cription			Legend	Geology	
-							7.77	(0.30)	Grass ove to mediun	er dark brown sligl n angular to subro	htly clayey sligh ounded flint.	ntly gravelly sa	and TOPSOIL.	Gravel is fir	$\frac{\underline{x}^{1} \underline{I}_{2}}{\underline{I}_{2}} \frac{\underline{x}^{1} \underline{I}_{2}}{\underline{x}^{1} \underline{I}_{2}}$	TPS	
0.50		JJJV						(0.70)	Moderate fine to coa	ly compact brown arse subangular to	clayey slightly subrounded fl	gravelly fine to int (TERRAC	o medium SAN E DEPOSITS)	ID. Gravel is	3 · · · · · · · · · · · · · · · · · · ·	TD	-
- - -							7.07	- - - 1.00	subround	ly compact light bi ed flint. With rare	rown sandy GR bands of very s	AVEL. Grave andy clay from	l is fine to coar m 1.7m (TERR	se angular t ACE	0 0 0 0 0		-
1.50	L	IJJVB						- - -(1.00) -	DEPOSIT	S).						TD	
							6.07	2.00  							<u>َ</u>		
								- - - -									
								- - -									
								-									
								-									
								-									
								Length		Shoring/Support:	Data	Time	Water Strike		Chan dia c	Dr	norke
	4		- 2						.00m		Date	Time	Strike	Minutes	Standing	Rer	marks
			<u>A</u>				Т В 0.6	Width 0	.60m -	Stability:							
			С				¥.		on ees from horth	Unstable below 1m	General Rem Pit walls unsta		. No groundwate	r encountered	J.		
10 Vov 80	Scale	1:31	.25				ll dimens dentificat		metres. Log	s should be read	in accordance	with the provi	ded Key. Desc	riptions are	based on visu	ual and	

WSP I		WS			11/				TRIAL F	PIT LO	G		Hole	No. <b>TPA0</b>	05	
	One Qu Birmingh ephone:	ueens I nam, B	Drive 5 4 P.	J		Project			North	stowe			Shee	t 1 of	1	
Job No	121	706	26			Client			Galla	agher			Date	21-11-	05	
Contrac	tor / D	riller			Met	hod/Pla JC	nt Use CB 3C>		Logged By JN	1C		ates (OS) 539855.635 267543.001		Ground Level 8.0		D)
SAN	1PLES	& TI	EST	'S						STR	ATA					Install / Backfill
Depth	Туре	DID (DumV)	HSV	(kN/m2) P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Desc	ription			Legend	Geology	
0.10	JJJV	,				7.71	(0.30)	Grass ove to mediun	er dark brown sligh n angular to subro	ntly clayey sligh ounded flint.	ntly gravelly sa	and TOPSOIL.	Gravel is f	ine $\frac{\sqrt{1/2}}{\sqrt{1/2}} \frac{\sqrt{1/2}}{\sqrt{1/2}}$	TPS	
-						7.31	-(0.40)	Moderatel with rare r DEPOSIT	ly compact orange oots. Gravel is fin S).	e brown slightly e to coarse sul	clayey gravel bangular to su	lly medium to c brounded flint	oarse SAN (TERRAC	ND 0 E	TD	-
- 0.80 	ΊΊΛ	,				1.31	- - - -	flint. Band	ly compact light br l of sand present a m (TERRACE DE	at 1.0m. Rare c	sandy GRAV orange brown	EL. Gravel is fi bands of grave	ne to coar I present	se 0.000 0.00 0.00 0.00 0.00 0.00 0.00		
-						6.21	(1.10) - - 1.80								TD	
							- - - - - - - - - - - - - - -									
							Length		Shoring/Support:			Water S	trikes			
		— 2 A				Ŧ	2 Width	.00m		Date	Time	Strike	Minutes	Standing	Rer	narks
		C	;			B 0.6 ⊥	Orientati degr	on	Stability: Unstable below 0.5m	General Rem Pit walls unsta		. Groundwater er	ncountered a	at 1.0m.		
Sc	ale 1:3	1.25		Note mar	es: Al nual io	ll dimens dentificat	ions in ion.	metres. Log	s should be read	in accordance	with the provi	ded Key. Desc	riptions are	e based on visu	al and	

WSP E		NS		nerc					TRIAL P	PIT LO	G		Hole	No. TPA0	19	
	One Qu Birmingh phone:	eens D	Drive	-	, 	Project			North	stowe			Shee	et 1 of <sup>-</sup>	1	
Job No	1217	7062	26		(	Client			Galla	agher			Date	25-09-0	)6	
Contracto	or / Dr	iller			Meth	nod/Pla J(	nt Use CB 3C		Logged By	F		ates (OS) 540974.591 267173.070		Ground Level		D)
SAM	PLES	& TE	STS	3						STR	ATA					Install / Backfill
Depth	Туре	DID (Vmqq)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Desc	ription			Legend	Geology	
0.20 - 0.50	B	r				5.90	0.10 - -(0.40)	Very stiff subangul	er dark brown sligh brown slightly grav ar flint (TERRACE to hard grey mottle	velly very sandy DEPOSITS).	/ CLAY. Grav	el is fine to co		ar to	TPS	
	JJV		>260 >260 >260	5			- - - - -(1.40) - -								AMP	
- - - - - - - - - -			212, 214, 192			4.10	- - - - - - - -									
3.6DT 16/12/11																
							- - - - - - - -									
0 #NORTHSTOWE MA		— 2 A			->	Ā	Width	00m	Shoring/Support:	Date	Time	Water Strike	Strikes Minutes	Standing	Ren	narks
	le 1:31	C 25		Note		B 0.6 ⊻	Orientati degr r	on rees from north	Stability: Stable gs should be read		base. No grou	indwater encour		e based on visua	al and	
8	1.01	0		mar	ual io	dentificat	ion.									

WS	P Env	/iron			norc	11/				TRIAL F	PIT LO	G		Hole	e No. <b>T</b>	PA0	20	
	O	ne Que ningha one: 0	ens D m, B5	rive 4PJ	-	Jy _	Project			North	stowe			She	eet	1 of	1	
Job N		217	062	26			Client			Galla	agher			Dat		25-09-	06	
Contr	ractor	/ Dri	ller			Met	hod/Plai JC	nt Use CB 3C		Logged By	F	Co-Ordina E N	ates (OS) 540906.966 267300.397		Groun	d Level 5.7		D)
S	AMPI	ES a	& TE	STS	;						STR	ATA		I	I			Install / Backfill
Dep	oth	Туре	(Vmqq)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)	1		Desc	ription				Legend	Geology	
	IJ	111///		138, 134, 104			5.60	0.10 - - - - - - - - - - - (1.40) - - - -	Very stiff subangula	er dark brown sligh brown slightly grav ar flint (TERRACE grey mottled orang ar flint (AMPTHILL	velly CLAY. Gra DEPOSITS).	avel is fine to	medium angula	ar to			TD	
								Length		Shoring/Support:			Water S	Strikes				
	<b>.</b>		-2 A			-		2 Width	2.00m		Date	Time	Strike	Minute	es S	Standing	Rer	narks
							■ 0.6	C	).60m	Stability:	General Rem							
			С					Orientat deg	ion rees from north	Stable			ndwater encount	ered.				
10 10 10	Scale	1:31.	25		Note man	es: Al ual i	ll dimens dentificat	ions in ion.	metres. Log	gs should be read	in accordance	with the provi	ded Key. Desc	riptions a	are base	d on visu	al and	

WS	P En		NS		nerc	11/				TRIAL F	PIT LO	G		Hole		A0	21	
	0	ne Que mingha 10ne: (	ens D am, B	Drive 5 4PJ	-		Project			North	stowe			Shee		of	1	
Job I		1217	'062	26		(	Client			Galla	agher			Date		-09-	06	
Cont	racto	· / Dri	ller			Meth	nod/Pla	nt Use CB 3C)		Logged By	F		ates (OS) 540999.707 267408.953		Ground I	evel		D)
	AMP		<u> 9</u> тс	ete							STR		207408.953					Install /
De					P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick				ription			Le	gend	Geology	Backfill
			3	_ <del>_</del> <del>_</del>	, <u>"                                   </u>	>	5.38	-ness)	Grass ove	er dark brown clay	ey sand TOPS	OIL. Sand is t	fine to medium		<u> </u>	<u> </u>	TPS	
							4.98	-(0.40) - 0.50	Stiff to ver subangula	y stiff brown sand ar flint (TERRACE	y slightly grave DEPOSITS).	lly CLAY. Gra	avel is fine ang	ular to			TD	
0.60		IJŊŴŴ					4.98	(0.50)	Moderatel to very stil	y compact orange ff clay from 0.6m o	e and light grey on northern face	slightly claye e only (TERR	y fine to mediu ACE DEPOSI	m SAND. ГS).	Stiff		TD	
-							4.48	- 1.00	Stiff to ver	ry stiff grey mottled	d orange brown	CLAY (AMP	THILL CLAY).					
-								- -(0.80) -									AMP	
[1.60 -	J	JJVVE		144, 144, 130			3.68	1.80										
- - -								-										
- - -								-										
- - -								- - -										
GDT 16/12/1								-										
								- - -										
								- - -										
								-										
ASTER								<u> </u>			1							
JWE M.								Length 2	.00m	Shoring/Support:	Date	Time	Water S Strike	Strikes Minutes	Star	nding	Ren	narks
	•		— 2 A					Width	-									
							B 0.6	0	.60m -	Stability:	General Rem	arks						
			С					Orientati degr r		Stable	Sides stable to	base. No grou	ndwater encount	ered.				
100 80	Scale	e 1:31	.25				l dimens lentificat		metres. Log	s should be read	in accordance	with the provi	ded Key. Desc	riptions ar	e based o	n visu	al and	

W	SP Er		NS		nerc	11/				TRIAL F	PIT LO	G		Ho	le No. <b>T</b>	PA0	22	
	C Bi	)ne Que rmingha hone: (	eens E am, Bt	orive 5 4 P J	-	JY -	Project			North	stowe			Sh	eet	1 of	1	
Job	No	1217	7062	26			Client			Galla	agher			Da		25-09-(	06	
Cor	ntracto	r / Dri	iller			Met	hod/Pla J0	nt Use CB 3C)		Logged By	F		ates (OS) 541082.551 267300.996		Grour	nd Level 5.64		D)
	SAMF	LES	& TE	STS	3						STR	RATA						Install / Backfill
D	)epth	Туре	DID (Vmqq)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Desc	cription				Legend	Geology	
- - - - - - - - - - - - -		IJĴŴ		118, 164, 156 176, 180, 214			4.85	(0.70)	Stiff to ve angular to	er dark brown clay ry stiff brown sligh o subangular flint ( grey mottled brown	tly sandy slight TERRACE DE	tly gravelly CL POSITS).	AY. Gravel is		edium		TPS TD AMP	-
							4.05											
			- 2 A C				B 0.6	Width 0 Orientati degr	.00m .60m on ees from horth	Shoring/Support: Stability: Stable	Date General Rem Sides stable to		Water Strike	Minute	es	Standing	Rer	narks
	Scal	e 1:31	.25				ll dimens dentificat		metres. Log	gs should be read	in accordance	with the provi	ded Key. Desc	criptions	are base	ed on visu	al and	

ws	P En		<b>VS</b>		nerc	11/				TRIAL F	PIT LO	G		Hole	No. <b>TPA0</b>	23	
	0	ne Que mingha one: 0	ens D am, B5	0rive 5 4PJ	-		Project			North	stowe			Shee	et 1 of	1	
Job N		217	'062	26		(	Client			Galla	agher			Date	25-09-	06	
Contr	ractor	/ Dri	ller			Metł	nod/Pla	nt Use CB 3C)		Logged By			541202.576		Ground Level		D)
		50	0	-070					<b>`</b>				267402.720		5.5	40	Install /
	AMP				1	fer	Elev.	Depth			STR						Backfill
Dep	oth	Туре	IId IId	(kN/r	P.Pen (kN/m2)	Water	(mAOD)	(Thick -ness)	0.0000							Geology	′
0.30	,	IJŊ		00			5.35	0.20 (0.40)	Stiff orang	er dark brown very je brown slightly g RACE DEPOSITS	ravelly sandy C		is fine angular	to subang	11 . 3. 14	TPS TD	
				92, 86, 94			4.95	-		grey mottled orang	ge/brown CLAY	(ampthill	CLAY).				
- 1.20 -	J	IJVVB	2	146, 156			4.05	_(0.90) - - 1.50								AMP	
	- -																
			- 2 A C				B 0.6	Width	.00m .60m -	Shoring/Support: Stability:	Date General Rem Sides stable to		Water S Strike	Minutes	Standing	Re	marks
	Scale	1:31.			Note	es: Al Jual ic		degr r	rees from north	Stable s should be read					e based on visu	ual and	

	RIAL PIT LOG TPA024
WSP Environment & Energy One Queens Drive Birmingham, B5 4PJ	Sheet
Telephone: 0121 352 4700 Fax:	Northstowe 1 of 1
Job No Client 12170626	Gallagher Date 25-09-06
Contractor / Driller Method/Plant Used Lo	ogged By Co-Ordinates (OS) Ground Level (m AOD)
JCB 3CX	LF E 541097.863 N 267502.525 5.350
SAMPLES & TESTS	STRATA Install / Backfill
Depth Type C & S & Elev. Market C & S & C & S & Elev. Type C & S & C & S & C & S & C & S & C & S & C & S & C & S & C & S & C & S & C & S & C & S & C & S & C & S & S	Description Legend Geology
	ark brown sandy clay TOPSOIL. <u>Ath</u> TPS            iff brown slightly sandy CLAY (TERRACE DEPOSITS). <u>Ath</u> <u>A</u>
- (0.40)	
	iff grey mottled orange/brown slightly sandy CLAY (AMPTHILL CLAY).
(1.50)	AMP
120, 3.35 2.00	
Length Sho	ring/Support: Water Strikes
2.00m	Date         Time         Strike         Minutes         Standing         Remarks
≝   <del>*</del> 2	
D B 0.6 Stat	pility:
C Orientation	General Remarks Sides stable to base. No groundwater encountered.
Image: Scale 1:31.25     Notes: All dimensions in metres. Logs st	
Scale 1:31.25 Notes: All dimensions in metres. Logs sh	nould be read in accordance with the provided Key. Descriptions are based on visual and

WSP E	viron			nerc				·	TRIAL F	PIT LO	G		Ho	ole No. <b>T</b>	'PA0	25	
E	One Que irmingha phone: (	ens D am. B5	rive 5 4PJ	-		Project			North	stowe			Sr	neet	1 of	1	
Job No	1217	7062	26			Client			Galla	agher			Di	ate	22-06-	07	
Contracto	or / Dri	iller			Met	hod/Pla	nt Use		Logged By	F	E	ates (OS) 540315.588		Groun	d Level 8.2	(m AOI	) )
								<b>`</b>				1 267888.867	(		0.2		Ins
Depth	PLES			1	Water	Elev. (mAOD)	Depth (Thick				Cription				Legend		Ba
			_ ¥	шĘ	>	7.96	<u>-ness)</u> (0.25)	Grass ove	er firm dark brown	sandy slightly	gravelly clay	TOPSOIL.			$\frac{\sqrt{1_{Z}}}{\sqrt{1_{Z}}} \frac{\sqrt{1_{Z}}}{\sqrt{1_{Z}}}$	TPS	
0.20-0.30	JJJAAA		114,			7.96	- - -(0.25) 0.50	Stiff orang	je brown sandy C	lay (ampthii	L CLAY).					AMP	
0.70 0.80-1.00	JJJVV B		108, 108				-	Stiff grey r silt. Rare t CLAY).	nottled brown CL. boulder sized poc	AY with mediu kets of brown r	m to coarse ( nedium sanc	gravel size poo I from 0.8 - 1m	kets of v (AMPTI	white HILL			
1.10	JJVV		120, 126, 130				 - -(1.40) -									AMP	
			122, 130, 130			6.31	- - - 1.90										
						6.11	2.10	Very weak Recovered	to extremely weat d as gravel coarse ngle (AMPTHILL (	e to cobble size	mottled grey e blocks in si	gravelly SILTS Ity matrix. Ban	TONE. d dips no	orth at		AMP	
2.50	в						- - -	fissures, w	ed grey mottled b vith closely to very n fissure surfaces.	closely space	d sub-vertica	l, slightly open	n fissures	s with			
-							- - -(1.60) 									AMP	
							- - -										
3.60 3.70 -	JJVV B					4.51	<u>3.70</u>								 		
							- - -										
							-										
							Length		Shoring/Support:	Date	Tim-		Strikes	iton	Standin	Dec	
<b>◄</b>		— 2 A			•	Ŧ	Width		None	Date	Time	Strike	Minu		Standing	Rem	
D		С				B 0.6 ⊥	Orientati degr	on	Stability: Stable	General Rem Sides unstable 0.55m after 1h	e from ground	level. Very fast g	  roundwat	ter ingress	from 0.9m	rising to	
Sca	le 1:31	.25				II dimens dentificat	ions in I		s should be read	in accordance	with the prov	rided Key. Des	criptions	are base	d on visı	al and	

	VSP Er		NS		nore					TRIAL F	PIT LO	G		Hole	<sup>e No.</sup> TPA0	27	
	( B	One Qu irmingh ohone:	eens D am, B§	0rive 5 4PJ		JY -	Project			North	stowe			She	et 1 of	1	
Jo	b No	1217	7062	26			Client			Galla	agher			Date	te 22-06-	07	
Co	ontracto	or / Dr	iller			Met	hod/Pla JC	nt Use CB 3C)		Logged By M	0		ates (OS) 540394.013 267820.190		Ground Level		D)
	SAMF	PLES	& TE	STS	;						STR	ATA					Install / Backfill
	Depth	Туре	DID (DpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Desc	cription			Legend	Geology	Duorum
-							7.27	(0.30)	Grass ov	er dark brown sligt	ntly gravelly cla	IY TOPSOIL.			$\frac{\underline{x} \cdot \underline{x}}{\underline{y}} = \frac{\underline{x} \cdot \underline{y}}{\underline{x}}$	TPS	
- - 0.6 	60	JJJVV	,	120, 122, 130			6.77	(0.50)	Stiff grey	w brown mottled o mottled brown CL MPTHILL CLAY).				easing wi	ith	AMP	-
1.2	0	В		104, 108, 116			5.97	- -(0.80) - - - 1.60								AMP	
1.8	0	JJJVV	r				5.77	1.80	CLAY). Stiff fissu	red blue grey mott	led brown CLA	Y. Extremely	closely spaced	sub-horiz	× × × × zontal – – –	AMP	-
- 2.0 - - - - - - - - - 2.9 - - -	10	B					3.87	- - - - - - - - - - - - - - - - - - -	fissures of rootlets. A	losely to very clos \$1 3.2m thin sheety in fissured surface	ely spaced fiss / bands of yello	ures with net	vorks of brown of sed pyrite. Sand	decayed d sized		AMP	
								- - - - - - - - - -									
								Length	00~	Shoring/Support:	Date	Time	Water S Strike	trikes Minutes	s Standing	Rer	marks
SIANDARD #NOKIHSIO	D		— 2 A C				B 0.6	Width	.00m .60m on	None Stability:	General Rem	arks	Strike		standing	Ref	
	Scal	le 1:31	.25				II dimens dentificat	r ions in	ees from horth metres. Log	gs should be read	in accordance	with the provi	ded Key. Descr	ptions a	re based on visu	al and	

WSP E		W		_	nero	IV.				TRIAL F	PIT LO	G		Hole No	TPA0	28	
	One ( Birming ephone	Queen aham	ns Dr , B5 21 38	ive 4PJ			Project			North	stowe			Sheet	1 of	1	
Job No	12	170	62	6		(	Client			Galla	agher			Date	21-06-	07	
Contract	or / [	Drille	er			Metł	nod/Plai JC	nt Useo CB 3CX		Logged By M	0		ates (OS) 539973.789 267655.303	Gro	ound Level 8.1		D)
SAM	IPLE	S &	TE	STS							STR	ATA					Install / Backfill
Depth	Тур		(Vmqq)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick <u>-ness)</u>				ription			Legend	Geology	
-							7.84	(0.30) 0.30		er brown slightly g					$\frac{\underline{x} \cdot \underline{y}}{\underline{y}} = \frac{\underline{x} \cdot \underline{y}}{\underline{x}}$	TPS	
0.50 0.70-0.80	B111 11∕						7.24	- - (0.60) - - 0.90	Firm oran subround	ge brown mottled ed fine to coarse f	grey slightly gra lint (TERRACE	avelly CLAY. DEPOSITS)	Gravel is subang	gular to		TD	
- - - - - - - - - - - -	յյյ	~~					6.24	- - - -(1.00) - -	coarse flir	mottled brown grant and chalk. Coar RRACE DEPOSIT	se gravel pock	ravel is subar ets of orange	ngular to subrour brown sandy gra	nded, fine to		TD	
- - 2.20 - - -	- 102, 105, 108 2.20 JJVV								spaced fis	mottled brown CL ssures with rootlet s and many shell S).	s on surfaces.	Shell band wi	th ammonite frag	gments,		TD	
	3.00 B 128, 130, 130						4.94										
			- 2 - A C				B 0.6	Width 0. Orientatio degro	00m 60m on ees from orth	Shoring/Support: None Stability: Stable	Date Date General Rem Sides stable to		Water St Strike	Minutes	Standing	Rer	marks
Sca	31.25	5				l dimensi dentificati		metres. Log	s should be read	in accordance	with the provi	ded Key. Descrij	otions are b	ased on visu	al and		

WSP E		<b>NS</b>		Energ	1V				TRIAL P	PIT LO	G		Hole	No. <b>TPA0</b>	29	
E	One Qu Birmingh phone:	ieens [ iam, B	Drive 5 4PJ			Project			North	stowe			Shee	et 1 of	1	
Job No	121	7062	26			Client			Galla	agher			Date	e 21-06-	07	
Contracto	or / Dr	riller			Met	hod/Plai JC	nt Use CB 3C>		Logged By M	10		ates (OS) 540103.650 267713.965		Ground Level 8.2		D)
SAM	PLES	& TE	ESTS	3						STR	ATA					Install / Backfill
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Desc	cription			Legend	Geology	
- -						7.89	- -(0.40) - 0.40	Grass ov	er brown sandy gra	avel TOPSOIL				$\frac{\sqrt{N_{2}}}{N_{2}} \frac{\sqrt{N_{2}}}{\sqrt{N_{2}}} \frac{\sqrt{N_{2}}}{\sqrt{N_{2}}}$	TD	
0.40 0.60-0.80 - -	BB	/			1		- - - - -	Moderate DEPOSI	ly compact yellow rS).	brown and wh	te sandy GRA	AVEL (TERRAG	CE		TD	
- - -						6.79	-(0.40)	Stiff light Gravel is	grey mottled brow subrounded to an	n gravelly CLA gular chalk and	Y with large le I flint (TERRA	enses of brown CE DEPOSITS	sandy gra S).	0 0	TD	-
- - 1.60 -	JJVV	,				6.29	(0.50)	Firm light	grey to grey mottl	ed yellow brow	n SILT/CLAY	(TERRACE D	EPOSITS)		TD	
2.20 	2.20 B 90, 90, 94 94 94						- - - - -(1.20) - - - - - - - - - - - - 3.20	Stiff extre traces on	mely to very close fissure surfaces a	ly fissured darl	< grey CLAY v	vith brown deca	ayed rootle	et	AMP	-
	112, 96						- - - - - - - - - - - - - - -									
	<u> </u>	<u> </u>	<u> </u>	1	I	<u> </u>	L Length	I	Shoring/Support:			Water S	Strikes		<u> </u>	<u> </u>
		— 2 A				В 0,6	Width	.00m .60m	None Stability:	Date 21-06-07	Time	Strike 1.00	Minutes	Standing	Seep 1m from and pat	marks bage at n and m soil gravel tches
		С				¥		on ees from iorth	Stable	General Rem Minor seepag		m sand and grave	el pockets.			<del>ch are</del> inor.
גרא אריין אריין גרא	le 1:31	1.25				ll dimens dentificat		metres. Lo	gs should be read	in accordance	with the provi	ded Key. Desc	riptions are	e based on visu	ual and	

	SP En	Virop			noro					TRIAL F	PIT LO	G		Hole	TPA0	30	
VVS	C Bi	One Que rmingha hone: (	eens [ am, B	Drive 5 4PJ			Project			North	stowe			Shee	et 1 of <sup>2</sup>	1	
Job		1217	7062	26			Client			Galla	agher			Date	e 22-06-0	)7	
Con	tracto	r / Dri	iller			Met	hod/Pla J(	int Use CB 3C		Logged By M	0	E	ates (OS) 540241.171 267698.422		Ground Level 8.23		D)
	SAMF	LES	& TE	ESTS	;						STR	ATA					Install / Backfill
De	epth	Туре	DID (DmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Desc	cription			Legend (	Geology	Dackini
- _ 0.20- _		111//					7.74	(0.50)	Orange b Stiff grey	er stiff brown to on rown sandy GRA\ mottled brown an	/EL. d white slightly	gravelly CLA	Y with lenses o	f brown sil	$\frac{\sqrt{L_{2}}}{\sqrt{L_{1}}}$	TD TD	-
0.60- 0.70 - - - -		111AA B					6.84	- (0.90) - - - 1.40	sandy gra	avel between 0.85-	1.3m. Gravel i	s coarse subr	rounded flint (T	ERRACE		TD	
- - - 1.80 - - - -		JJVV		102, 112, 112 114, 120, 112			0.04	  (1.10) 	Stiff grey	mottled brown CL CE DEPOSITS).	AY. At 1.8m th	in layer of bla	ick carbonaceo	us materia		TD	-
_ 2.60 		В		>130, >130, >130			5.74	- - -(0.60) -	Stiff extre sized sele	emely closely to clo enite. Fissures are /IPTHILL CLAY).	osely fissured b extremely clos	lue grey mott sely spaced w	led brown CLA ith rootlet trace	Y with san s on fissu	nd re	AMP	-
		77//						-									
								Length		Shoring/Support:			Water	Strikes			
			— 2 A				В 0.6	2 Width	00m 60m	None Stability:	Date	Time	Strike	Minutes	Standing	Ren	narks
			С				L ⊥		on rees from north	Stable	General Rem Sides stable to		undwater encouni	tered.			
	Scale	e 1:31	.25				II dimens dentifica		metres. Lo	gs should be read	in accordance	with the prov	ided Key. Desc	riptions ar	e based on visua	al and	

W/S	DEn	viron	NS		norc					TRIAL F	PIT LO	G		Hole N	°. TPA0	31	
	O Bir	ne Que mingha 10ne: (	ens E am, B	Drive 5 4PJ		IY -	Project			North	stowe			Sheet	1 of	1	
Job 1		1217	062	26			Client			Galla	agher			Date	22-06-	07	
Cont	racto	· / Dri	ller			Metl	nod/Pla J(	nt Use CB 3C		Logged By M	0		ates (OS) 540306.503 267601.016	Gr	ound Level 7.7		D)
S	AMP	LES	& TE	STS	;						STR	RATA					Install / Backfill
Dej	oth	Туре	DID (DpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)	1		Desc	cription			Legend	Geology	
-	.30	IJJAA						(0.35)	subangula	er firm brown sligh ar flint. TOPSOIL	tly gravelly cla	y TOPSOIL. C	Gravel is medium	to coarse	<u>1/</u> <u>1/</u> <u>1/</u>	тр	
-				104, 114, 110			7.39	-	Stiff orang	ge brown CLAY (T grey mottled oran		,				AMP	-
- - 0.80		IJIJVV		>130			6.94	(0.30) 0.80		grey CLAY with m	-			silty sand		AMP	_
-	·	555 V V		>130 >130				(0.50)	and rare p	ockets of orange	gravelly sand.	(AMPTHILL (	CLAY).	sity salu		AMP	
- - 1.50 -		3JJVV					6.44	1.30 - - - -	Stiff fissur 2.9m bec	red dark grey mot omming stiff friabl rystals (AMPTHIL	e fissured mot						-
- - - - -				130, 126, 126												AMP	
2.40		В						- - - - - - -	2.40 mbg	l, becoming blue ç	grey.						
3.40 		В					4.24	- 3.50 -								- - -	-
								-									
								Length		Shoring/Support:			Water St	rikes			
	ŧ		- 2					2	2.00m	None	Date	Time	Strike	Minutes	Standing	Rer	marks
			A				Б 0.6	Width	.60m	Stability:	-						
			С				±		ion rees from north	Stable	General Rem Sides stable to		indwater encounte	red.			
100 00	Scale	e 1:31.	.25				l dimens dentifica		metres. Log	s should be read	in accordance	with the provi	ded Key. Descri	ptions are l	based on visu	ual and	

WODE			SP							TRIAL I	PIT LO	G		Hole No.	ГРА0	32	
I Б	One C Birming phone	ueens	Drive	J	rgy	Pro	oject			North	stowe			Sheet	1 of	1	
Job No	12 <sup>,</sup>	1706	626			Cli	ent			Gall	agher			Date	22-06-	07	
Contract	or / E	Drille	r		Me	etho		nt Use CB 3C		Logged By	10		ates (OS) 540419.389 267693.298	Grou	nd Level 6.6		D)
SAM	PLE	5&1	EST	S							STF	RATA					Install / Backfill
Depth	Тур	e Old	(ymdd)	(kN/m2) P.Pen	(KN/m2) Water	n) Marci	Elev. nAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	
-							6.40	(0.30)		er brown gravelly	sand TOPSOIL				<u>x172</u> x172 172 x172	TPS	
0.50	BJJJ	Ŵ					6.10	(0.30)	Firm to st DEPOSI	-						TD	
- -								- - -(0.60)	Stiff grey silt. Sub-l	mottled brown CL horizontal listric sh	AY with mediu lear surface at	im to coarse g 1.2m. (AMPT	ravel size pocket HILL CLAY).	s of white		AMP	
- - - 1.50 1.60	B	~v		В,			5.50		Stiff grey sheer sur fissures. sub-vertio	mottled brown CL faces. From 2.5m From 2.8m much cal fissure surface LL CLAY).	selenite on ve sand sized sele	ry closely to cleanite adjacent	osely spaced sul to fissures, with	o-vertical rootlets on			-
- - - - -	50 B 108, 60 JJJVV 100 122, 130, 130 122, 130 122, 130 122, 130 122, 130 122, 123, 130 122, 130 122, 130 122, 130 130							- - - - (2.10)								AMP	
2.50 2.70 -	JJV	v	>13 >13 >13	30,				- - - - -									
	.30 В							- <u>3.30</u>     									
								- - - - - Length		Shoring/Support:			Water Str	ikes			
								2	.00m	None	Date	Time	Strike	Minutes	Standing	Rer	marks
			2 — A			▶	Ŧ	Width 0	.60m		_						
			C			В	0.6	Orientati degr		Stability: Stable	General Ren Sides stable t		ndwater encounter	ed.			
Sca	ale 1:3	31.25					imens ntificati		metres. Lo	gs should be read	in accordance	with the provi	ded Key. Descrip	tions are bas	ed on visu	al and	

WSP E		W			nerc	1V				TRIAL I	PIT LO	G		Hol	le No. <b>T</b>	PA0	33	
E	One C Birming phone	ueer ham	ns Di , B5 21 3	rive 4PJ		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Project			North	istowe			She	eet	1 of	1	
Job No	12 <sup>-</sup>	170	62	6			Client			Gall	agher			Da		21-06-	07	
Contracto	or / E	Drille	er			Met	hod/Pla J(	nt Use CB 3C)		Logged By	10		ates (OS) 539992.606 267592.999		Groun	nd Level 7.4	•	D)
SAM	PLE	S &	TE	STS	;						STR	ATA			•			Install Backfil
Depth	Тур	e 🛛	(Vmqq)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)				cription				Legend	Geology	
-							7.11	(0.30) 0.30	subround	er dark brown slig ed fine to medium	n flint.				jular to	<u>x11, x11,</u> 1 <u>7</u> x11, x	TPS	
0.30	JJJ/	~					6.91	0.50	DEPOSIT	,	, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,				TD	
-						1	6.51	- -(0.40) - 0.90		ly compact yellow ed fine to medium				bangular to	D	0000	TD	
-						Ţ	6.41	1.00		mottled brown sli						0.00	TD	
-								- - -(0.80) -	DEPOSIT	ιCΕ	0000	TD						
1.60 I	BBJJ	IVV				<b>2</b> <u>−</u>	5.61	1.80	Stiff dark	nalk	0000							
	В							- - - (1.10)	flint and r	unit,		TD						
-							4.51	- - 2.90		arou alightly grou			rounded to rou	unded me	dium	× ×		_
3.00 - - -	В							 -  (1.10)		grey slightly grav l cobbles of angul				unded me	aum	× × × × × × × × × × × ×	TD	
- - - 4.00	JJJ/	~ /					3.41	- - - - 4.00										_
 - - - - -								- - - - - -										
	<u> </u>				1			Length	1	Shoring/Support:			Water	Strikes				
<b>⊢</b>			2 - A					Width	.00m .60m	es s	Standing	S see S	narks light page. light page.					
D			С				B 0.6 ⊥		on ees from iorth		[							
Sca	ale 1:3	31.25	5				II dimens dentifica		metres. Loo	gs should be read	in accordance	with the provi	ded Key. Des	criptions a	are base	d on visu	al and	

	SP En				noro					TRIAL F	PIT LO	G		Hole	No. <b>TPA0</b>	34	
	C Bi	)ne Que rmingha hone: (	eens [ am, B	Drive 5 4PJ			Project			North	stowe			Shee	t 1 of	1	
Job		1217	7062	26			Client			Galla	agher			Date	21-06-0	07	
Con	tracto	r / Dri	iller			Met	hod/Pla Ji	nt Use CB 3C)		Logged By M	0		ates (OS) 540238.070 267599.776	0	Ground Level 8.23		D)
	SAMF	LES	& TE	ESTS	3						STR	ATA					Install / Backfill
De	epth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD	Depth (Thick			Desc	ription			Legend	Geology	Dackilli
0.20-	0.30	JJJVV					7.98	-ness) (0.25) 0.25		er brown slightly g					$\frac{\underline{x}^{1} \underline{x}}{\underline{y}} = \frac{\underline{x}^{1} \underline{y}}{\underline{y}}$	TPS	
-	0.30	<u>111 A A</u>					7.68	- -(0.30) - 0.55	Firm oran flint.	ige brown gravelly	CLAY. Gravel	is fine to mee	dium angular to	subrounde		TD	
- - - - - - - - -	0.80	111///					6.73	- - - - - - - - -		grey CLAY with gr	avel size white	sandy pocke	ts (TERRACE I	DEPOSITS	5). 	TD	
- - 1.80- 1.90 - - -	1.90	JJVV B					5.83	  	Light grey (AMPTHI 2.00 mbg extremely	/ friable mottled ye LL CLAY). I, becoming mediu / closely spaced fis	im gravelly moi ssures.	ttled yellow o	range brown CL	AY with		AMP	
2.60 		В		>130 >130 >130	,		5.53	(0.30) 2.70 - - - -	sized sele	mely closely to clo enite crystals. Roo	isely fissured b	lue grey mott ures (AMPTH	ied drown CLA'	r with sand	a	AMP	-
								-									
	<b>⊨</b>		— 2 A					Width	00m 60m	Shoring/Support:	Date	Time	Water S Strike	trikes Minutes	Standing	Rer	narks
D			С	;			B 0.6 ⊥		on rees from north	Stability: Stable	General Rem Sides stable to		undwater encount	ered.			
	Scale	e 1:31	.25				ll dimens dentifica		metres. Loo	gs should be read	I in accordance	with the provi	ided Key. Descr	iptions are	e based on visu	al and	

WSP Er		VSP	Ener	<b>a</b> v/				WIN	D	ow s/		ELOG		Hol	e No. <b>V</b>	<b>/SA</b> (	001	
B	One Que irmingha bhone: 0	ment & eens Drive m, B5 4P. 121 352 4 ax:	J		Proje	ect				North	stowe			She	eet	1 of	1	
Job No	1217	0626			Clie	nt				Galla	igher			Da		24-11-	05	
Contracto	or / Dri	ller					t Used	tor Rig		ogged By JM	C		ates (OS) 539819.046 267027.331		Groun	d Level 7.8		D)
SA	MPLE	ES & TE	STS									STRAT	۹					Install Backfi
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription				Legend	Geology	Dia.
0.10-0.40 	JJV						7.48	-(0.40)			Grass over revolution of the second s				ndy		MG	
-							7.33		Firm	n brown sandy rounded flint (	slightly gravell	y CLAY. Grav POSITS).	vel is fine to co	arse ang	jular to		TD	
-							7.13	- 0.75	Bro	wn slightly clay	ey sandy GRA	VEL. Gravel				0.00	TD	
_0.80-1.00  - - -	JJV					1 1 1		- -(0.70) -	Firm	n orange brow	n mottled grey gular to subrou	sandy slightly	gravelly CLA RRACE DEP	Y. Gravel OSITS).	is fine		TD	
- - -						¥.	6.43	(0.35)			htly gravelly SA		is fine to coars	se subang	gular to		тр	
_1.80-2.00  - - - - - - - - - - - - - - - - -	JJV						<u>4.58</u> 4.43	- 3.45 -	Ligh	angular to sub it grey gravelly rounded flint a	ND. Becoming rounded grave SAND. Grave nd sandstone ( SILT (AMPTHIL	I flint (TERRA	dium subangu	'S).			TD	
							3.88	(0.55) - 4.00 									AMP	
	Hole	Diamete	er					Recov	/ery				Water	Strikes				
Depth	Dian	neter (mm	i) R	emarł	ks	Core	Гор (m)	Core Bas	e (m)	% Recovery	Date 24-11-05	Time	Strike 1.45	Minute 20	es S	Standing 1.20	Ca	asing
- - - - - - - - - - - - - - - - - - -	lle 1:37	.5				ensio		etres. Lo	ogs st	nould be read i	General Rem Groundwater e	encountered at	1.45m. Standing ded Key. Desc				ual and	

WSP Er		VSP ment &	Ener	av				WIN	D	ow sa	AMPLE	E LOG		Hole	No. WSA	002	
Bi	One Que rmingha hone: 0	ens Drive m, B5 4P. 0121 352 4 ax:	J		Proj	ect				North	stowe			Shee	t 1 of	1	
Job No	1217	0626			Clie	nt				Galla	igher			Date	24-11-	05	
Contracto	r / Dri	ller					t Used ompete	tor Rig		ogged By JM	C		ates (OS) 540018.093 267316.192		Ground Leve 8.8		DD)
SA	MPLE	ES & TE	STS									STRAT	٩				Install Backfil
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription			Legend	Geology	Dia.
-							8.67	0.20			rown sandy sli o subrounded f		TOPSOIL. Gra	avel is fine	to $\frac{\sqrt{1/2}}{\sqrt{1}}$	TPS	
_0.30-0.50 _	JJV						0.47	(0.50)	ang	k brown slightl ular to subrour POSITS)	y gravelly sligh nded gravel flir	tly clayey SAI it. No gravel b	ND. Gravel is f pelow 0.6m (TE	ine to coar ERRACE	se	тр	
- - -							8.17	(0.30)	Ora	nge brown fine	e to medium SA	AND (TERRA	CE DEPOSIT	S).		тр	
- - -							7.87	(0.40)	Brov (TEI	wn sandy GRA RRACE DEPC	s fine to coars	e angular to si	ubangular f	0 0.0			
-							7.47		Brov	wn fine to med	ium SAND (TE	ERRACE DEF	POSITS).		000	TD	
- - - 1.80-1.00  - -	JJV					Į Į Į		- - - -		wn sandy GRA RRACE DEPC	VEL. Gravel is OSITS).	s fine to coars	e angular to si	ubangular f			
_2.40-2.70 - - - - - - - - - - - - - - - - - - -	JJV						4.87	- -(2.40) - - - - - - - - - - - - - - - - - - -									
- - - - - - - - - - - - - - - - - - -																	
	_	Diamete	-					Recov	-				Water			· ·	
Depth	Dian	neter (mm	) R	temarl	ks	Core 7	Гор (m)	Core Bas	e (m)	% Recovery	Date 24-11-05	Time	Strike 2.00	Minutes 20	Standing 1.80	C	asing
Sca	le 1:37	.5				ensio		etres. Lo	ogs st	nould be read i		encountered at :	2.0m. Standing a		e based on visi	ual and	

WSP E		VSP ment &		ay -				WIN	D	ow sa	AMPLE	E LOG				/SA(	003	
E	One Que Birmingha phone: (	eens Drive am, B5 4P 0121 352 4 ax:	J	,,,	Proje	ect				North	stowe			She		1 of	1	
Job No	1217	0626			Clier	nt				Galla	igher			Dat		24-11-	05	
Contracto	or / Dri	ller					t Used ompete	tor Rig		ogged By JM	IC		ates (OS) 539978.937 267566.646		Ground	d Level 8.3		D)
SA	AMPLE	ES & TE	STS									STRAT	4					Install / Backfill
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription				Legend	Geology	Dia.
-							0.00	(0.30)	med	ss onto dark b lium subangul	rown sandy sl ar to subround	ightly gravelly ded flint.	TOPSOIL. Gra	avel is fine		1/ 1/ 1/	TPS	
0.30-0.60	JJV						8.08	(0.30	Firm	n brown sandy dium angular to	slightly grave	lly CLAY with r flint (TERRAC	are roots. Gra E DEPOSITS	ivel is fine			TD	
- - - - - -	(0.30) 7.78 (0.60) Brown slightly clayey gravelly SAND. Gravel is fine to medium subrounded flint. Orange brown fine sand between 1.0m and of Sandy fine to medium subangular to subrounded gravel flin Clayey band between 1.7m to 1.75m. From 2.1m Becoming fi gravel with rare clayey bands (TERRACE DEPOSITS).												m angula d 1.15m. E int at 1.15	Band 5m.				
- - - - - - - -	Depth       Type       Test Result       Q ≥ E Q ≤ E Q ≤ Z ≤ Z ≤ Z ≤ Z ≤ Z ≤ Z ≤ Z ≤ Z ≤ Z ≤															0 0 0	TD	
- - -2.45-2.65 - -	JJV						5.58	- - - - 2.80		k arey slightly	sandy SILT (A					0 0 0 × ×	AMP	
						×.										× ×		
	Hole	Diamete	er					Recov	very				Water	Strikes				
Depth		neter (mm	-	emarł	ks	Core -	Гор (m)	Core Bas	-	% Recovery	Date	Time	Strike 3.00	Minute	s S	Standing	Ca	asing
Sca	ale 1:37	.5			II dim dentif			etres. Lo	ogs st	nould be read i		arks encountered at a with the provid		criptions a	are based	d on visi	ual and	

WSP E		NSP		11/				WIN	ID	ow s/	AMPLE	E LOG		Hole	e No. V	VSA	004	
B	One Que Irmingha phone: (	eens Drive am, B5 4P 0121 352 4 ax:	J		Proj	ect				North	stowe			She	et	1 of	1	
Job No	1217	0626			Clie	nt				Galla	igher			Dat		24-11-	05	
Contracto	or / Dri	ller					t Used ompete	tor Rig		ogged By JM	IC		ates (OS) 540243.019 267393.095		Grour	nd Level 8.5		D)
SA	AMPLE	ES & TE	STS									STRAT	A					Install Backfil
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription				Legend	Geology	Dia. mm
0.30-0.40	JJV							(0.50)			rown sandy sli r to subrounde		clay TOPSOIL.	Gravel i	s fine	<u>x 1</u> /2 <u>x 1</u> /2 <u>1/</u> <u>x 1/2</u> x	TPS	
							8.04	-(0.35)	Orai suba	nge brown and angular to sub	d brown sandy rounded flint (	GRAVEL. Gr TERRACE DE	avel is fine to m EPOSITS).	edium		0000	TD	
-							7.69	- 0.85 - - -	coar	rse subangula	r to rounded fli	nt chalk and s	y CLAY. Gravel siltstone. Becom TERRACE DEI	ning grey	/			
_ _ _ 1.40-1.50 _	JJV							- -(1.10) -									TD	
- - - -						Ţ	6.59	- - 1.95  -(0.30)		wn fine SAND. RRACE DEPC		y and more c	ompact with dep	oth			тр	
-							6.29	- 2.25 - -	Grev	y slightly clave	y gravelly SAN	ND. Gravel is siltstone (TEF	fine to coarse a RRACE DEPOS	ngular to ITS).	)			
-2.65-2.90 - - -	JJV							(1.15) 									TD	
- - -							5.14	- 3.40 -	Stiff	very closely fi	ssured dark gr	ey CLAY (AM	IPTHILL CLAY)			· · · · · · ·		
- - - -							4.54	- (0.60) - 4.00									AMP	
- - - - -								- - -										
- - -								- - -										
								-										
								-										
		Diamete	-					Recov	-				Water S					
Depth	Diar	neter (mm	i) R(	emark	s	Core <sup>-</sup>	Top (m)	Core Bas	ie (m)	% Recovery	Date	Time	Strike 1.95	Minute	s	Standing	Ca	ising
- - - - - - - - - - - - - - - - - - -											General Rem Groundwater	arks encountered at	1.95m.					
Sca	ale 1:37	.5			ll dim dentif			etres. Lo	igs sh	nould be read i	in accordance	with the provi	ded Key. Descr	iptions a	ire base	ed on visu	al and	

WSDE		VSP	Enor	<b>a</b> v			l	WIN	D	ow sa		ELOG		Hole	e No. V	<b>VSA</b> (	)05	
E	One Que Birmingha phone: (	ens Drive am, B5 4P. 121 352 4 ax:	J	gy -	Proje	ect				North	stowe			She	et	1 of	1	
Job No	1217	0626			Clier	nt				Galla	igher			Dat		24-11-	05	
Contracto	or / Dri	ller					t Used ompete	tor Rig		ogged By JM	IC		ates (OS) 540385.090 267242.871		Groun	id Level 7.6		D)
SA	AMPLE	ES & TE	STS	I								STRAT	A	I				Install / Backfil
Depth	Туре	Test Result	(Jud) (DmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription				Legend	Geology	Dia.
-							7.26	- (0.35)	to m	nedium angula	rown sandy slig r to subrounde	d gravel flint.				$\frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1}$	TPS	
- 0.50-0.60 - - - - - - -	ĴĴΛ						6.31	- - - - - - - - - -	fine	to medium su	wn mottled slig bangular to sut th roots (AMP1	orounded flint	(TÈRRACÈ D	CLAY. Gra	avel is S).		TD	
- 1.60-1.70 - - - -	JJV							- - - - - - - - -									AMP	
- - - - -							5.01 4.56	2.60 - - - (0.45) - 3.05	(AM	IPTHILL CLAY	weathered SIL			fclay			AMP	
3.50-3.70 	JJV	·					3.61	- - - - - - - - - - - - - - - - - - -									AMP	
- - - - - - - - - - - - - - - - - - -																		
		Diamete	-	,				Recov					Water					·
Depth	Dian	neter (mm	i) F	(emari	ks	Core <sup>-</sup>	Гор (m)	Core Bas	se (m)	% Recovery	Date General Rem. No groundwate		Strike	Minute	S	Standing	Cá	asing
Sca	ale 1:37	.5			ll dim dentif			etres. Lo	ogs sl	nould be read i	in accordance	with the provi	ded Key. Desc	riptions a	ire base	d on visu	ual and	

WSP Er		NSP	Ener	11/				WIN	D	ow s/		ELOG		Hole		/SA(	006	
( B	One Que irmingha bhone: 0	ens Drive am, B5 4P 0121 352 4 ax:	J		Proje	ect				North	stowe			Shee	et	1 of	1	
Job No	1217	0626			Clier	nt				Galla	gher			Date		24-11-	05	
Contracto	or / Dri	ller					t Used ompete	tor Rig		ogged By JM	С		ates (OS) 540303.718 267593.900		Groun	d Level 7.8		D)
SA	MPLE	ES & TE	STS									STRAT	4					Install / Backfill
Depth	Туре	Test Result	DID (Juny)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription				Legend	Geology	Dia.
0.10-0.20	JJV						7.59	(0.30)	Gra	ss over dark b	rown sandy cla	ay TOPSOIL.				17 2117 717 717	TPS	
- -							7.59	(0.50)	Firm suba	n brown sandy angular to sub	slightly gravel rounded flint (	ly CLAY. Grav TERRACE DE	el is fine to med POSITS).	dium			TD	
1.50-1.60	JJV						7.09	0.80 - - - - -(1.00) -	to m	grey mottled t nedium subang sent from 1.2m	ular to subrou	inded flint. Ra	with rare roots. re white selenite	Gravel i	s fine		AMP	
-							6.09	1.80	We	ak grey SILTS								
- - -							5.89	2.00 	Stiff		ssured grey C	LAY with rare	roots and white	selenite		× × × × × ×	AMP	
2.50-2.70 	ΛΓΓ						3.89	- - - - - - - - - - - - - - - - - - -									AMP	
- - - - - - - - - - - - - - - - - - -																		
Dopth		Diamete	-	omori	ko	Coro	Fon (m)		-	% Boowon/	Data	Timo	Water St			Standing	C	ocina
Depth	Dian	neter (mm		emarl	KS	Core	Гор (m)	Core Bas	e (m)	% Recovery	Date General Rem No groundwat	Time narks er encountered.	Strike	Minutes		Standing		asing
Sca	lle 1:37	<b>7</b> .5	Note	es: A	II dim	ensic	ons in me	etres. Lo	ogs st	nould be read i	_		ded Key. Descri	ptions ar	e based	d on visı	ual and	

WSP			/SP nent & I	Ener	av				WIN	D	ow sa	AMPLE	E LOG		Hole	WSA	007	
	One Birmir	Quee	ens Drive n, B5 4PJ 121 352 4		57	Proj	ect				North	stowe			Shee	et 1 o	<sup>:</sup> 1	
Job No		217(	0626			Clie	nt				Galla	igher			Date	e 24-1 <sup>7</sup>	-05	
Contra	ctor /	Drill	ler					t Used	tor Rig		ogged By JM	IC		ates (OS) 540492.032 267595.322		Ground Lev 6	el (m AC	DD)
	SAM	PLE	S & TE	STS									STRAT	۹				Install /
Depth	n Ty	'ne	Test Result	DID (DmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription			Legen	d Geology	Backfill Dia. y mm
- - - - - - - -	J.	JV						6.08	0.10 - - -(0.80) -	Firm	dium angular to	slightly gravel prounded cob	ly CLAY with bles of flint (T	are roots. Grave ERRACE DEPC	osits).		TPS TPS TD	
- - - - - - - - - - - - - - - - - - -	0 J	VV								is fir pres	ne to medium	angular to sub m. Becoming o	rounded flint. dark grey with	ightly gravelly C Rare white seler brown mottling	nite cryst	als	AMP	
- - - - - - - - - - - - - - - - - - -	0 J.	JV	·					2.18	- - - - - - - - - - - - - - - - - - -									
			Diamete	-	•				Recov	-	0/ F		~	Water St				
	in I	Jiam	eter (mm	) R	temark	(S	Core 7	Гор (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	Standin	) C	asing
	Scale 1	1:37.	5	Not	es: A nual i	II dim denti	ensio	ns in me	etres. Lo	ogs sł	nould be read i	-	er encountered	ded Key. Descri	ptions ar	e based on vi	sual and	

Bir Teleph	ne Que mingha	ens Drive m, B5 4PJ										ELOG			•	/SA(		
		121 352 4 ax:	700		Proje	ect				North	stowe			She	et	1 of	1	
Job No	1217	0626			Clier	nt				Galla	igher			Dat		24-11-	05	
Contractor	r / Dril	ler					t Used ompete	tor Rig		ogged By JM	C		ates (OS) 540959.976 267604.559		Groun	d Level 5.3		D)
SAI	MPLE	S & TE	STS									STRAT	۹					Install Backfil
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription				Legend	Geology	Dia.
-0.05-0.20	JJV						5.10	ĽÍ			rown sandy cla					<u>x17</u> <u>x1</u> ,	TPS	
2.70-2.90	1.00 JJV .									barse subangu to stiff grey m relly CLAY. Gr oming dark gro tals present fro	Ilar to subroun nottled orange avel is fine to r ey with rare wh om 1.6m. Belo	ded flint (TER brown and wh medium subar hite crystals fro w 2.1m dark o	with rare roots. ( (RACE DEPOSI) iite slightly sand ngular to subrou om 1.1m. More s grey rare orange s below 2.1m (Al	TS). y slightly nded flir selenite brown	y nt.		AMP	
Depth	_	Diamete leter (mm)	1	demarl	ks	Core		4.00		% Recovery	Date General Rem	Time	Water St Strike	rikes Minutes	s 5	Standing	Ca	asing
	e 1:37	5	Not	es: A	II dim	ensic	ons in me	etres. Lo	ligs sh	nould be read i	No groundwat	er encountered.	ded Key. Descrij	otions a	ire base	d on visi	ial and	

WSPE		NSP	Enero	1V				WIN	D	ow s/	AMPL	E LOG	ĺ	Hole	e No. V	VSA	009	
	One Qu Birmingh ephone:	eens Drive am, B5 4PJ 0121 352 4 Fax:	-	,y _	Proj€	ect				North	stowe			She	et	1 of	1	
Job No	1217	70626			Clier	nt				Galla	igher			Dat		24-11-	05	
Contract	tor / Dr	iller					t Used	tor Rig		ogged By JN	IC		ates (OS) 540654.197 267758.665		Grour	nd Level 5.8		DD)
		ES & TE	STS									STRAT					-	Install /
Depth	Туре	Test Result	(Amdd)	HSV kN/m2)	P.Pen kN/m2)	Water	Elev. (mAOD)				D	escription				Legend	Geology	Backfill Dia.
					)		5.46	-ness) - -(0.35) - 0.35	Gra	ss over dark b	rown sandy cl	ay TOPSOIL.				<u>17, x17</u> <u>17, x17</u>	TPS	
0.40-0.50	JJV						5.40	(0.35)	Firm sub	n brown sandy angular to sub	slightly grave rounded flint (	ly CLAY. Grav TERRACE DE	vel is fine to me EPOSITS).	edium			тр	
- - - - - - - - - - - - - - - - - - -	Λſſ						5.11		foss	f very closely fi sils. Becoming n (AMPTHILL	mottled orang	LAY with rare e brown from	roots and whit 1.7m. With les	e crystals s mottling	and g from		AMP	
	JJV						1.81	- - - - - - - - - - - - - - - - - - -										
- - - - - - - - - - - - - - - - - - -																		
Depth		Diamete		mort		Coro	Top (m)			% Decevery	Data	Time	Water Strike			Standing		acina
	Dia	meter (mm)	) Re	emark		Core	Top (m)	Core Bas	se (m)	% Recovery	Date	Time	Strike	Minutes	8	Standing		asing
Sc	ale 1:3	7.5	Note	es: Al	ll dim dentif	ensic	ons in mo	etres. Lo	ogs sł	nould be read	-	ter encountered	ded Key. Desc	riptions a	re base	ed on visu	ual and	

WSP E		NSP	Ener	<b>a</b> v					BC	OREHO	DLE LO	DG		Hol	e No. <b>B</b>	HDO	01	
B	One Que lirmingha phone: (	ens Drive am, B5 4PJ 0121 352 4 ax:			Proje	ect				North	stowe			She	eet	1 of	1	
Job No	1217	0626			Clie	nt				Galla	gher			Dat		08-09- 08-09-	05 05	
Contracto	or / Dri	ller					t Used rcussive	e Rig	L	ogged By	F		ates (OS) 539196.664 265890.721		Groun	d Level 10.3		D)
SA	AMPLE	ES & TE	STS									STRAT						Install
Depth	Туре	Test Result	DID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				De	escription				Legend	Geology	Backfi Dia. mm
								<u>-ness)</u> - - (0.50)	Bro	wn sandy claye	ey TOPSOIL.						TPS	
-0.50-1.00 -0.50 -0.50 -1.00	B D D	Of blaue					9.84	- - - (0.90)	Firn sub	n yellow brown prounded fine fl	slightly grave int (TERRACE	lly sandy CLA DEPOSITS)	Y. Gravel is ang	jular to			TD	
1.00-1.40 - -1.50	D	31 blows					8.94	- 1.40 - -	Sof sele	t becoming firn enite crystals (/	n grey mottled AMPTHILL CL	orange browi AY).	n CLAY with rare	e white				
 -2.00  2.00-2.50 -2.50	SPT BD D	3,3,2 1,2,2 N=7(S)						-(1.80)									AMP	
-3.00 3.00-3.40 -3.50	D U D	39 blows					7.14	  	at 5	n thinly lamina 5.0m. With amr /PTHILL CLAY	nonite fossils a	′ with rare fine at 6.5m. Becc	e pyrite crystals. ming firm below	Becomi 6.5m	ing stiff			
-4.00 -4.00 -4.00-4.50	SPT	3,3,4 3,3,4 N=14(S)						-			,							
-4.50 -5.00 5.00-5.40	D D U	71 blows						-(3.80)									AMP	
-5.50 	D																	
-6.50	SPT	3,4,4 5,4,4 N=17(S)					3.34	7.00										
_6.50-7.00 - 7.00 	BD D																	
Date																		
- - - -								-										
Date		Time	I	Bori Depth	ng Pr		ss ng Dpt	Dia. (m	nm)	Water Dpt	Date	Time	Water St Strike	trikes Minute	es s	Standing	Ca	asing
			selling							Added								
From		<u>To</u>		<u>Hours</u>		<u> </u>	ool	<u>Fron</u>	<u>n</u>	То	General Rem No groundwat	arks er encountered	L					
Sca	ale 1:62	2.5		es: A nual i				etres. Lo	ogs sl	hould be read i	in accordance	with the provi	ded Key. Descri	iptions a	are base	d on visu	al and	

WSP Er		NSP	Energ						BC	OREHO	DLE LO	DG				BHDO	02	
В	irmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:	700		Proj	ect				North	stowe			Sh	eet	1 of	1	
Job No	1217	70626			Clie	nt				Galla	igher			Da	ate	08-09- 08-09-	05 05	
Contracto	or / Dri	iller					t Used rcussive	e Rig	L	ogged By	F		ates (OS) 539032.897 265685.390	,	Grour	nd Level 10.8		D)
SA	AMPLE	ES & TE	STS									STRAT	A					Install Backfil
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription				Legend	Geology	Dia.
0.50-1.00 0.50 0.90 1.00 1.00 1.00 1.50 2.00 2.00 2.20 3.00-3.40 3.50 4.00 4.00 4.00 4.50 4.50 - 5.50 - 6.50 - 7.00 - 7.00	B D SPT D D D U U SPT BD D U U D D D D D D D D D D D D D D D	7,6,5 4,3,2 N=14(C) 5,3,4 3,4,3 N=14(C) 30 blows 7,4,3 4,5,4 N=16(S) 86 blows					10.36 	(0.50) 0.50 (1.70) - 2.20 - (4.80)	Firr	prounded fine to	andy slightly g o medium chal	k and flint (TE	Gravel is angu RRACE DEPC	osits).	m		TD	
Date		Time Chis To	elling	Depth		Casi	SS ng Dpt ool	Dia. (rr	Vater	Water Dpt	Date General Rem No groundwat	Time Time er encountered	Water S Strike	itrikes Minut	es	Standing	Ca	asing
Sca	ale 1:62	2.5			II dim			etres. Lo	ogs s	hould be read i	n accordance	with the provi	ded Key. Descr	iptions	are base	ed on visu	ial and	

WSP E		NSP	Ener	av				E	BC	OREHO	DLE LO	DG		Hol	e No. E	BHD0	03	
B	One Que Birmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:			Proje	ect				North	stowe			She	eet	1 of	1	
Job No	1217	70626			Clie	nt				Galla	agher			Da		07-09- 07-09-		
Contracto	or / Dri	iller					t Used rcussive	e Rig	L	ogged By Ll	F		ates (OS) 539198.175 265704.087		Grour	nd Level 10.8		D)
S/	AMPLE	ES & TE	STS									STRAT						Install
Depth	Туре	Test Result		HSV (kN/m2)	P.Pen kN/m2)	Water	Elev. (mAOD)				D	escription				Legend	Geology	Backfil Dia.
-0.40 -0.50-1.00	D B							<u>-ness)</u> 	Firn sub	n to stiff brown rounded fine fl	sandy slightly int (TERRACE	gravelly CLA E DEPOSITS)	Y. Gravel is an <u>c</u>	gular to			TD	
-0.80 -1.00 -1.00 -1.50	D SPT D D	2,3,6 6,4,5 N=21(S)					9.45	  	Firn Gra	n to stiff grey n	nottled orange	brown slightly	y sandy slightly DEPOSITS).	gravelly	CLAY.			
-2.00-2.40	U	43 blows					8.25	(1.20) 2.60	Cita								TD	
-3.00	SPT 3,3,5 5,6,6 N=22(S)												with rare selenit 0m (AMPTHILL	e crystal CLAY).	ls.		AMP	
3.00-3.50 -3.50 -4.00-4.40	SPT         3,3,5           5,6,6           N=22(S)           D																	
-4.50 	D	83 blows						- - - - - -	Oun		y sun grey or							
-5.50	D							-(2.80)									AMP	
-6.50 -6.50-7.00 -7.00	SPT BD D	4,4,7 8,9,8 N=32(C)					3.85	- 7.00										
Date								-										
								- - - - - - - - -										
								-										
Date		Time		Bori Depth	ng Pr	rogre: Casi	ss ng Dpt	Dia. (m	ım)	Water Dpt	Date	Time	Water S Strike	Strikes Minute	es	Standing	Ca	asing
			selling							Added								
From		To		Hours		Т	ool	From		To	General Rem No groundwat	harks ter encountered			I			
Sca	ale 1:62	2.5		es: Al nual i				etres. Lo	gs sł	hould be read i	I in accordance	with the provi	ided Key. Descr	riptions a	are base	ed on visu	al and	

WSP E		NSP ment & I	Energ	gy					BC	OREHO	DLE LO	DG				BHDO	04	
B	One Que irmingha	eens Drive am, B5 4PJ 0121 352 4 ax:			Proje	ect				North	stowe			She	eet	1 of	1	
Job No	1217	70626			Clier	nt				Galla	agher			Da		09-09- 09-09-		
Contracto	or / Dri	iller					t Used	Dia	L	ogged By	-		539097.771	1	Grour	nd Level		D)
		ES & TE	ете		Cable		rcussiv	e Rig		L	F	STRAT/	265155.918			13.2	220	Install /
Depth		Test		SV (m2)	<sup>Den</sup>	Water	Elev.	Depth			De	escription	n			Legend	Geology	Backfill Dia.
	Туре	Result	⊣ ĝ	ΪŽ	d. X	Ň	(mAOD)	(Thick -ness) -	Firm	h brown sandy	slightly gravel	Iy clay TOPSC	IL with rare ro	otlets. G	Gravel		TPS	mm
-0.50-1.00	B						12.87 12.62	-	is a Firm ∖ang	ngular to subro n to stiff grey b ular to subrou	ounded fine to prown slightly s nded fine to m	medium flint a	and rarely chall	k.			TD	
1.00	D								(DEF	POSITS).	nottled grey CL			·	/			
1.00-1.40 - 1.50	U D	27 blows																
-2.00	SPT	3,3,3						-										
 _2.00-2.50	BD	2,2,3 N=10(S)						(3.40)									КІММ	
-3.00	D																	
3.00-3.40 	U	41 blows																
-4.00	SPT	3,3,2					9.22	- - 4.00	Firm	arov mottled	orange brown		a white colonit	o crueta	ls			
4.00-4.50	BD	2,3,2 N=9(S)							(KIN	MERIDGE CI	LAY).		e white selenit	le ci ysta	15			
-5.00-5.40	U	61 blows																
-5.50		OT DIOWS						- (3.00)									КІММ	
-6.00																		
Ē	D																	
-6.50	SPT BD	3,3,3 2,3,3 N=11(S)					6.22	- 7.00										
-7.00 -7.00	D																	
								-										
Date		Time		Bori Depth	ng Pr		ss ng Dpt	Dia. (n	nm)	Water Dpt	Date	Time	Water S Strike	Strikes Minute	25	Standing	Ci	asing
				- <b>- 9</b> µ1		5001		210. (11			Duto		Canto	.viii lute		Staniality		
From		Chis To	elling	Hours		Т	ool	V Fror		Added To	General Rem	arks er encountered.						
Date	ale 1:62	2.5			ll dim dentif			etres. Lo	ogs sl	nould be read	in accordance	with the provid	led Key. Desci	riptions a	are base	ed on visi	ual and	

WSP E		NSP	Ener	av				E	BC	OREHO	DLE LO	DG		Hole	e No. Bł	1D0	05	
E	One Que lirmingha	eens Drive am, B5 4PJ 0121 352 4 ax:			Proje	ect				North	stowe			She		of	1	
Job No	1217	70626			Clie	nt				Galla	agher			Dat	09	)-09- )-09-		
Contracto	or / Dri	iller					t Used rcussiv	e Rig	L	ogged By	F		ates (OS) 538926.047 265123.573		Ground	Level 13.2		D)
S/	AMPLE	ES & TE	STS									STRAT	A					Install Backfil
Depth	Туре	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)				D	escription			L	egend	Geology	Dia.
							12.91	-ness) - - 0.30	Firn	n dark brown s	lightly sandy s	lightly gravell edium flint wit	y clay TOPSOIL h rare rootlets.	Gravel	l is	$\frac{l_Z}{1}$ $\frac{\sqrt{l_Z}}{1}$	TPS	
-0.40 -0.50-1.00 -0.80 -1.00	D B D SPT	2,3,5 4,4,3					11.01	(1.10)	Firn		y sandy slight	y gravelly CLA	Y. Gravel is an	gular to			TD	
1.00 -1.40 -2.00	1.00     D       1.40     D       2.00     SPT       3,3,5       6,6,7       N=24(C)															KIMM		
2.00-2.50 2.60 -3.00-3.40	B D U	B D Stiff green grey mottled grey CLAY with rare white selenite Becoming grey with rare fossils with depth (KIMMERIDGE												ystals. .AY).				
-3.50	D														-   -   -   -			
-4.00 	SPT BD	4,4,9 7,6,8 N=30(S)																
-5.00-5.40	U	76 blows						(4.40)									KIMM	
-6.50-7.00 -6.50	B D						6.21	7.00										
-7.00	D																	
- - - - - - -																		
-																		
- -									_									
Date		Time	1	Bori Depth	ng Pr	ogres Casi	ss ng Dpt	Dia. (m	m)	Water Dpt	Date	Time	Water S Strike	trikes Minute	is Sta	inding	C=	asing
				_ opu1		500	<del></del>	Jia. (iii			Duto				016			- <u></u> '9
		Chis To	selling	l Hours		T	ool	W From		Added To	General Rem No groundwat	narks ter encountered						
Sca	ale 1:62	2.5		es: Al nual io				etres. Lo	gs sl	hould be read	in accordance	with the prov	ided Key. Descr	iptions a	are based o	on visu	al and	

WSP E		NSP	Ener						BC	OREHO	DLE LC	)G		Hole	e No. E	BHDO	06	
E	One Que Birmingha phone: (	eens Drive am, B5 4PJ 0121 352 4 ax:			Proje	ect				North	stowe			She	eet	1 of	1	
Job No	1217	70626			Clier	nt				Galla	igher			Dat		09-09- 09-09-	05 05	
Contracto	or / Dr	iller					t Used rcussiv	e Rig	L	ogged By Ll	F		tes (OS) 538761.397 265040.622		Grour	nd Level 13.9	•	D)
SA	AMPLI	ES & TE	STS									STRATA	A					Install / Backfill
Depth	Туре	Test Result	(Judd) (Judd)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			De	escription				Legend	Geology	Dia.
-							13.62	- '		ss over slightly		gravelly CLA	Y. Gravel is fine	e to med	dium		TPS	
- -0.50-1.00 _0.50	B D						13.02	(0.60) 0.90	Firn to c	n orange brown oarse angular	n mottled grey to subrounded	sandy slightly flint (TERRAC	gravelly CLAY.	. Gravel ).	is fine		TD	
-0.90 1.00 - 1.00-1.50 - 1.50	D SPT B D	6,2,3 2,3,2 N=10(C)						-(1.20)	fine	se to medium to medium an POSITS).	dense brown v gular to subrou	ery clayey slig Inded flint and	htly gravelly SA chalk (TERRA	AND. Gr ACE	ravel is		TD	
-2.00	SPT	5,3,3 2,3,2 N=10(C)					11.82	2.10	Firn CL/		nottled orange	brown slightly	sandy CLAY (F	KIMMEF	RIDGE			
2.10-2.50 -2.10 -3.00-3.40	B D U	46 blows						- - -(1.90)									KIMM	
-3.50	D						9.92	- 4.00										
-4.00 -4.00-4.50	SPT BD	7,3,4 3,4,5 N=16(S)							Firn crys	n becoming sti stals. Becoming	ff green grey m g very stiff from	ottled grey CL 1 5.0m (KIMMI	_AY with rare w ERIDGE CLAY	/hite sele )	enite		•	
4.80-5.20 -5.00	B SPT	8,9,12 8,10,8 N=38(C)																
5.00 -5.50	D D	(-)						-(3.00)									KIMM	
6.00	D																	
-6.50-6.90 	U	89 blows					6.92	7.00										
Date																		
,								-										
					ng Pr								Water S			0		
Date		Time		Depth		Casi	ng Dpt	Dia. (n	nm)	Water Dpt	Date	Time	Strike	Minute	es	Standing	Ca	asing
		Chis	elling	<u> </u>				V	Vater	Added								
From		То	ŀ	Hours		T	ool	Fror	n	То	General Rem No groundwate	arks er encountered.						
Sca	ale 1:62	2.5		es: Al nual io				etres. Lo	ogs sl	hould be read i	in accordance	with the provid	led Key. Descri	iptions a	are base	ed on visu	al and	

WSP Er		<b>VSP</b> ment & I	Ener	av					BC	OREHO	DLE LO	DG		Hole		1D0	30	
( B	One Que irmingha bhone: 0	eens Drive am, B5 4PJ 0121 352 4 ax:			Proje	ect				North	stowe			Shee		of	1	
Job No	1217	70626			Clie	nt				Galla	igher			Date	13	3-09- 3-09-	05 05	
Contracto	or / Dri	ller					t Used rcussiv	e Rig	L	ogged By Di	В	Co-Ordina E N	ates (OS) 538899.609 264749.980		Ground	Level 15.4		D)
SA	MPLE	ES & TE	STS									STRAT						Install
Depth	Туре	Test Result	1	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			D	escription			L	egend	Geology	Backfi Dia.
-								 _(0.50)	Dar	k brown slightl	y sandy clay T	OPSOIL.			<u>[x]</u>	1, <u>\</u> 1,	TPS	
0.50	BD						14.97	- 0.50	Sof	t orange mottle	ed brown and g	grey slightly g	ravelly very san	dy CLAY	with	<u></u>		
1.00	SPT	6,0,3 2,3,3							freq CLA		crystals. Grave	el is fine subar	ngular flint (KIM	MERIDGE				
1.00-1.50	₿ĴĴĴ∕∧	N=11(S)													- -			
2.00-2.45	U	39 blows						_(2.70) 									KIMM	
2.50	D							-							-			
-3.00	SPT	5,0,4					12.27	- - - 3.20							-			
3.00	BD	3,3,4 N=14(S)							Stiff grey	f grey and brov y with rare foss	vn mottled yell sils between 3.	ow CLAY with 5 and 5.0m b	n selenite crysta gl (KIMMERIDO	als. Becom GE CLAY)	ning			
4.00-4.45	U	67 blows																
4.50	D							-										
-5.00	SPT	7,0,4 4,5,4 N=17(S)						 -(3.80)									KIMM	
_	BJJJ∕∕v							-										
-6.00 - - -6.50-6.95	DU	81 blows																
7.00	D						8.47	7.00										
- - - - - - -								-										
-																		
 - - -																		
								-										
Date		Time		Bori Depth	ng Pr		ss ng Dpt	Dia. (n	וm)	Water Dpt	Date	Time	Water S Strike	Strikes Minutes	Sta	nding	Ca	asing
									,									
		Chis	elling	1				V	Vater	Added								
Date		То	-	Hours		T	ool	Fron	n	То	General Rem Groundwater		5.7m rising to 5.4	m after 15r	mins.			
Sca	le 1:62	2.5	Not ma	es: A nual i	II dim dentif	ensio	ons in me	etres. Lo	ogs sl	hould be read i	n accordance	with the provi	ided Key. Desci	riptions are	e based o	on visu	al and	

WSPI		WS		ner	11/				TRIAL F	PIT LO	G		Hole N	°. TPD0	19	
		ueens ham, B	Drive 5 4PJ		JY -	Project			North	stowe			Sheet	1 of	1	
Job No	121	1706	26			Client			Galla	agher			Date	22-08-	05	
Contrac	tor / D	riller			Met	hod/Pla J(	nt Use CB 3C>		Logged By	F		ates (OS) 539033.970 264819.614	Gi	ound Level 15.0		D)
SAN	/IPLES	5 & T	ESTS	3					·	STF	RATA					Install / Backfill
Depth	Тур	e (Amaa)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)				cription			_	Geology	
						14.73	(0.30) 0.30	angular t	brown sandy sligh o subrounded flint.					$\frac{1}{\sqrt{1^{N}}} \frac{1}{\sqrt{1^{N}}}$	TPS	
- - 0.70	JBT	г				14.13	- -(0.60) - - 0.90	angular t	nottled orange brook of a subrounded flint	own sandy slig (TERRACE D	htly gravelly ( EPOSITS).	CLAY. Gravel is	fine to coar	se	TD	
- - - - -			164, 166, 128				- - - -(1.00)		mottled orange br	own extremely	to very closel	y fissured CLA	Y (ampthil		AMP	_
- - - - -			104,			13.13	- - - - - -	Stiff to ve	ery stiff closely fissi th rare selenite cry	ured friable da stals. Mottled l	rk grey mottle prown from 3.2	d yellow and ora 2m (AMPTHILL	ange extrem CLAY).	ely		_
			94, 134, 120				- - - (1.50) - - - - -								AMP	
	JBT	F	96, 96, 108			11.63	-	Stiff extre	emely to highly fiss ILL CLAY).	ured dark grey	CLAY with ra	re large selenit	e crystals		AMP	-
							Length		Shoring/Support:			Water S	Strikes			
		2 A				Ŧ	2 Width	00m 60m	-	Date	Time	Strike	Minutes	Standing	Re	marks
		C	;			B 0.6 ⊥		ion rees from north	Stability: - Stable	General Ren Pit walls stab		roundwater encou	intered.			
Sc	ale 1:3	81.25		Note mar	es: A iual i	ll dimens dentificat	ions in ion.	metres. Lo	gs should be read	in accordance	with the provi	ded Key. Desc	iptions are l	based on visu	ual and	

WS	P Env		<b>VS</b>		ner	11/					PIT LO	G		Hole N	°. TPD0	20	
	O	ne Que mingha one: (	ens D am, B5	rive i 4PJ	-	y _	Project			North	stowe			Sheet	1 of	1	
Job N		217	'062	26			Client			Galla	agher			Date	22-08-	05	
Contr	actor	/ Dri	ller			Metl	nod/Pla J(	nt Use CB 3C)		Logged By	F		ates (OS) 538844.222 264778.767		ound Level 15.3		D)
S	AMPI	ES	& TE	STS	3						STF	RATA					Install /
Dep			DID (DmV)		1	Water	Elev. (mAOD)				Des	cription			Legend	Geology	Backfill
				)			45.00	-ness) (0.30)	medium a	k brown slightly san angular to subang		velly clay TOF	SOIL. Gravel	is fine to	$\frac{\frac{\sqrt{1}}{\sqrt{1}} \cdot \frac{\sqrt{1}}{\sqrt{1}}}{\frac{1}{\sqrt{1}} \cdot \frac{\sqrt{1}}{\sqrt{1}}} \cdot \frac{\sqrt{1}}{\sqrt{1}}$	TPS	
- - - - - -		JTB		80, 64, 74			15.06	(0.30)	Stiff brow	n mottled orange	Ū			THILL CLAY	)	AMP	-
- - - -				98, 118, 72			13.76	-(1.00) - - - - 1.60								AMP	
- - - 1.90 - - - - - - - - - - - - -		JTB		116, 124, 118				- - - - -(1.40) - - - -	Stiff friab Becomin	le closely fissured g mottled orange b	dark grey moti brown below 2.	tled yellow CL 0m (AMPTHIL	AY with rare se L CLAY).	elenite crysta		AMP	-
				102, 130, 128			12.36	-(0.60)	Stiff extre	emely closely fissu	red dark grey (	CLAY with rare	e fossils (AMP <sup>-</sup>	THILL CLAY		AMP	-
								- - - - - - Length	.00m	Shoring/Support:	Date	Time	Water Strike	Strikes Minutes	Standing	Rer	narks
			— 2 A			►		Width									
							■ 0.6	0	.60m	Stability:	General Ren	harks					
			С				<u>*</u>		on rees from north	Stable			roundwater enco	untered.			
240	Scale	1:31	.25		Note mar	es: Al ual io	l dimens dentificat	ions in ion.	metres. Lo	gs should be read	in accordance	with the provi	ded Key. Desc	riptions are	based on visu	al and	

WODE		NS		nor					TRIAL F	PIT LO	G		Hole		PD0	22	
E	One Qu Birmingh phone:	eens [ am, B	Drive 5 4PJ		JY −	Project			North	stowe			Shee		1 of	1	
Job No	1217	7062	26			Client			Galla	agher			Date		20-08-	05	
Contract	or / Dr	iller			Met	hod/Pla JC	nt Use CB 3C		Logged By	F		ates (OS) 539144.013 265762.891		Ground	d Level 10.4	•	D)
SAM	PLES	& TE	STS	3						STF	RATA		I				Install / Backfill
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription				Legend	Geology	Dackin
-						10.12	(0.30) 0.30	subround	brown slightly gra ed flint.	velly clay TOP	SOIL. Gravel	is fine to mediu	m angular	r to	$\frac{\sqrt{h_2}}{\sqrt{1}} \frac{\sqrt{h_2}}{\sqrt{1}}$	TPS	
F						9.92	0.50		vn sandy CLAY (T	ERRACE DEF	POSITS).					TD	
0.60	JJJVB		96, 82, 88			9.62	(0.30)	Firm to st fine to me	iff grey mottled ora edium angular to s	ubangular flint	(AMPTHILL C	CLAY).		-		AMP	
- - - - - -			158, 136, 136		1		- - - - -(1.40)	at 1.1m ir	ry stiff very closely none end of the p ow 1.5m contains	etween 0.	.9 to		AMP				
- - - - - -						8.22	- - - <u>2.20</u>	Stiff dark	grey mottled dark	ite crystals (AM	PTHILL	- - - - - - - - - - - - - - - - - - -			-		
- - - - 2.90 - -	JJVB		148, 144, 136				8.22 2.20 Stiff dark grey mottled dark green CLAY with rare selenite crystals (A CLAY).									AMP	
						6.92	3.50 - - - - - - - - - - - - -										
L							Length		Shoring/Support:			Water S	strikes				
⊨		— 2				ł	2	.00m	<b>U</b>	Date	Time	Strike 1.10	Minutes	S	tanding	Rer	narks
	ale 1:31	A C 25		Note		B 0.6 ↓	Orientati degr r	rees from north	Stability: Stable gs should be read		le to base. Grou	ndwater encounte				_	el.
508	ac 1.31	.20				dentificat						,				-	

WODE				'n org	.,					PIT LO	G		Ho	le No. TPDC	23	
B	Dne Que irmingha hone: (	eens E am, B	Drive 5 4PJ	0		Project			North	stowe			Sh	eet 1 of	1	
Job No	1217	7062	26			Client			Galla	agher			Da	ate 20-08-	05	
Contracto	or / Dri	iller			Met	hod/Pla J(	nt Use CB 3C		Logged By	F		ates (OS) 539295.545 265703.488		Ground Level		D)
SAMF	PLES	& TE	ESTS	;					·	STF	RATA					Install / Backfill
Depth	Туре	DID (Judd)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Dese	cription			Legend	Geology	,
-						10.32	(0.30)		t brown slightly gra	velly sandy cla	y TOPSOIL.			$\frac{1}{1/2} \frac{\sqrt{1/2}}{\sqrt{1/2}} \frac{\sqrt{1/2}}{\sqrt{1/2}}$	TPS	
0.30 - - - 1.00	JJVB		>260, 120,			9.92	- -(0.40) - 0.70	Moderate Moderate (TERRAG Stiff very Fissuring	ely compact orange ely compact orange CE DEPOSITS). closely fissured fri less apparent fror low 3.2m contains	e brown very g able light grey n 2.0m. Becon	ravelly SAND mottled orang	with an irregula ge brown extrem v mottled dark g	ar base	AY.	TD	-
2.00	ĴĴΛβ		158, 190 158, 162, 144 114, 128, 56			6.92	-	1							AMP	
						6.82	- - - - - - - - - - - -	Crystals (	emely closely to ve AMPTHILL CLAY)			Water	Strikes		AMP	
		_					2	2.00m		Date	Time	Strike	Minute	es Standing	Re	marks
		— 2 A			-	Б 0.6	Width C	).60m	Stability:							
		С				<u> </u>		ion rees from north	Stable	General Ren Pit walls stabl		roundwater enco	untered.			
Scal	e 1:31	.25				II dimens dentificat		metres. Lo	gs should be read	in accordance	with the provi	ided Key. Desc	riptions	are based on visi	ual and	

		NS	P						TRIAL F	PIT LO	G		Hole N	o. TPD0	25	
WSP E				inerg	ıy	D					•		Sheet			
E	One Qu Birmingh phone: I	am, B	5 4PJ	00		Project			North	stowe			Sheet	1 of	1	
Job No	121	7062	26		(	Client			Galla	agher			Date	21-08-	05	
Contract	or / Dr	iller			Meth	nod/Pla	nt Use	d	Logged By		Co-Ordina	ates (OS)	Gr	ound Leve	(m AO	)D)
						JC	CB 3C)	ĸ	L	F		539299.600 265600.003		11.0		,
SAM	PLES	& TE	STS	5						STF	RATA					Install / Backfill
Depth	Туре	(Vmqq)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	
-							(0.50)		oming stiff dark bro angular to subroun		htly gravelly c	lay TOPSOIL. G	ravel is fine	$\frac{l_{1}}{\sqrt{l_{2}}} \frac{\sqrt{l_{2}}}{\sqrt{l_{2}}}$	TPS	
L						10.56	0.50	Stiff grey	slightly sandy slig	htly gravelly Cl	LAY. Gravel is	fine and angula	r to		тр	_
0.80	JTB		116, 118, 112			10.36	0.70	Moderate	ar flint (TERŔACĔ ly compact orange ar to subrounded f	e brown clayey	gravelly SAN	D. Gravel is fine ERRACE DEPO	and SITS).		тр	
F						9.96	Ľ,									
-							- -	Stiff very dark gree	closely fissured lig n brown from 1.9r	ht grey mottle n. rare selenite	d orange brow e crystals from	n CLAY. Mottlin 2.0m (AMPTHI	g becoming _L CLAY).			
-							- -(1.20)								AMP	
-							-(1.20)									
2.00	JTB		82, 116,				-									
-			136, 132			8.76	-									
- -						8.66	2.40	Stiff to ve	ly weak very close ry stiff very closely rystals (AMPTHIL	/ fissured light				× × ×	AMP	
-							-									
			168, 182, 168				(1.30)								AMP	
							-									
						7.36	3.70									
							-									
							-									
							-									
							- -									
		<u> </u>						<u> </u>	Shoring/Susses	1		14/51-5-0	rikoc			
							Length 2	.00m	Shoring/Support:	Date	Time	Water St Strike	rikes Minutes	Standing	Rer	marks
		— 2														
		A				₩ B 0.6	Width 0	.60m	Stability:	-						
		С				Ţ	Orientati	on	-	General Ren Pit walls stabl		roundwater encour	ntered.	1		
		U					degr	ees from north	Stable							
Sca	lle 1:31	.25		Note man	es: Al ual ic	l dimens dentificat	ions in ion.	metres. Log	gs should be read	in accordance	with the provi	ded Key. Descri	ptions are b	based on visi	ual and	

	SP En		NS		norc					TRIAL F	PIT LO	G		Hole	e No. <b>T</b>	PD0	26	
	C Bi	)ne Que rmingha hone: (	ens E am. B	Drive 5 4PJ			Project			North	stowe			She	et	1 of	1	
Job	No	1217	7062	26			Client			Galla	agher			Dat		20-08-	05	
Cor	ntracto	r / Dri	iller			Met	hod/Pla J(	nt Use CB 3C)		Logged By	F		ates (OS) 539198.651 265600.210		Groun	d Level 11.0		D)
	SAMF	LES	& TE	STS	3						STR	RATA		ŀ				Install / Backfill
D	epth	Туре	DID (Judd)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Desc	cription				Legend	Geology	
0.20	)	JJJVB					10.70	(0.30)	Firm dark angular to	brown sandy slig subangular flint.	htly gravelly cla	ay TOPSOIL.	Gravel is fine to	medium	1	$\frac{\sqrt{1}}{\sqrt{1}} \frac{\sqrt{1}}{\sqrt{1}}$	TPS	
F				64,			10.40	(0.30) 0.60	angular to	iff orange brown v o subangular flint a	and chalk (TEF	RACE DEPC	ISITS).				TD	
0.60 0.70		JJVB JJVB		62, 68 >260				-	and 1.5m becoming	to hard very close east half of pit is o green brown from stiff (AMPTHILL o	orange brown s n 1.0m. Oyster	slightly clayey	gravelly sand. I	Mottling a	of clay			
-				>260 >260 >260	5			-										
2.00   	,	JJVB		200, 152, 156				_(2.90) - - - - - - -									AMP	
3.GDT 16/12/11				136, 128, 148			7.50	- - - - - - - - -										-
08 WSP TP LOG STANDARD #NORTHSTOWE MASTER DEC 2011.GPJ WSPETEMPLATE1.03.GDT 16/12/11								- - - - - - - - -										
								Length		Shoring/Support:			Water S	Strikes				
.RD #NORTHSTOWE M	⊦∎		— 2 A				ł	2 Width	00m 60m	Shoring/Support:	Date	Time	Strike	Minutes	s S	Standing	Rer	narks
TP LOG STANDA			С				L L		on rees from north	Stable	General Rem Pit walls stabl		roundwater encou	intered.	I			
08 WSP	Scale 1:31.25 Notes manu								metres. Log	gs should be read	in accordance	with the provi	ded Key. Descr	riptions a	re base	d on visu	al and	

W/S	P En		NS	_	noro						PIT LO	G		Hole No.	TPD0	29	
003	0	ne Que mingha none: 0	eens D am, B5	orive 5 4PJ		IY _	Project			North	stowe			Sheet	1 of	1	
Job I		1217	7062	26		1	Client			Galla	agher			Date	21-08-	05	
Cont	ractor	· / Dr	iller			Met	nod/Pla J(	nt Use CB 3C>		Logged By	F		ates (OS) 539199.602 265500.000	Grou	und Level 11.8		D)
S	SAMP	LES	& TE	STS	;						STF	RATA					Install / Backfill
De	pth	Туре	DID (Vmqq)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	
-							11.50	(0.30) 0.30	angular to	tiff dark brown san o subangular flint.					$\frac{\sqrt{I_2}}{\sqrt{I_2}} \frac{\sqrt{I_2}}{\sqrt{I_2}} \sqrt{I_2}$	TPS	
0.50		JTB		102, 64,			11.10	-(0.40)	angular to	tiff brown mottled g o subangular flint (	grey sandy slig TERRACE DE	htly gravelly C EPOSITS).	LAY. Gravel is fi	ne and		TD	
-				118			11.10 10.95		Stiff very	extremely to very rootlets (TERRA			orange brown C	LAY with rar	e	TD	-
-							10.80	1.00	Moderate	ely compact orange	e brown SAND	and GRAVEL		o medium		TD	
-				204, 174, >260, 208				(0.50)	Very stiff	extremely to very LL CLAY).			,	wn CLAY		AMP	
F							10.30	1.50		ly weak light grey	SILTSTONE (	AMPTHILL CL	AY).		× × ×		
-							10.10	1.70	Very stiff Extremely	light grey mottled y closely fissured a e selenite crystals	orange brown and friable from	extremely to v n 2.5m. Grey r	ery closely fissur nottled dark gree			AMP	_
	162, 128, 140															AMP	
		JTB		148, 138, 164			8.30	- <u>3.50</u>         									
								Length		Shoring/Support:			Water St	rikes			
	•		— 2 A				■ 0.6	Width	00m 60m	Stability:	Date	Time	Strike	Minutes	Standing	Rer	marks
			С				Ť		on rees from north	Stable	General Ren Pit walls stab		roundwater encoun	tered.			
2	Scale	e 1:31	.25				l dimens dentificat		metres. Log	gs should be read	I in accordance	with the provi	ded Key. Descrij	otions are ba	sed on visu	ual and	

We			NS							TRIAL F	PIT LO	G		Hole	e No. <b>T</b>	PD0	31	
WSF	O	ne Que ningha	eens D am, B5	orive 5 4PJ			Project			North	stowe			She	et	1 of	1	
	reiepii		ax:	52 47	00					North	Slowe					1 01	I	
Job N		217	7062	26			Client			Galla	agher			Date		21-08-	05	
Contra	actor	/ Dri	iller			Met	hod/Pla	nt Use	d	Logged By		Co-Ordin	. ,		Ground	d Level	(m AC	D)
							J	CB 3C)	<	L	F		539099.604 265599.963			11.2	30	
SA	AMPI	ES	& TE	STS	6						STF	RATA		ŀ				Install / Backfill
Dept	th	Туре	DID (Jund)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)				cription				Legend	Geology	
-							10.00	-(0.40)	Soft to fin medium a	m dark brown san angular to subrour	dy slightly grav ided flint.	elly clay TOP	SOIL. Gravel is	fine to	- -	<u>112 112</u> 1 <u>7 112 1</u> 110 110	TPS	
- 0.50		JTB		114, 96, 78			10.83	0.40	Firm to st subround	iff brown sandy sli ed flint (TERRAC	ghtly gravelly ( E DEPOSITS)	CLAY. Gravel	is fine to mediu	ım angula	ar to		TD	
-				70		<b>1</b> ⊻	10.43	L	subround	ly compact orange ed flint and chalk. de of pit only. Ren	This strata is	present on the	west, north an	d norther	n half	· · · · · · · · · · · · · · · · · · ·	TD	
						-		-	Stiff very	closely fissured lig ark green and bro	ht arey mottle	d orange brow	n CLAY. Beco					
 - 2.30 - - - - - - -	) JTB 120, 118, 144														-		AMP	
				154,			8.03	3.20 (0.30)	Stiff very	closely fissured da	ark grey CLAY	(AMPTHILL C	CLAY).		-	 	AMP	
				52,15	2		7.73	E C										
								Length		Shoring/Support:			Water S	Strikes				
1 OWE								2	.00m		Date	Time	Strike 1.00	Minutes	s S	Standing	Rer	marks
			— 2 A			->	+ ] ∓	Width	.60m				1.00					
			С				B 0.6	Orientati degr r	on ees from north	Stability: Stable		le to base. Grou	ndwater encount					
80	Scale	1:31	.25				II dimens dentificat		metres. Log	gs should be read	in accordance	with the provi	aea Key. Desc	riptions ai	re basec	a on visu	al and	

WSP En		NS		nerc	11/				TRIAL F	PIT LO	G		Hole	TPD0	32	
C	ne Qu mingh none:	eens D am, B5	rive 5 4PJ	-	JY -	Project			North	stowe			Sheet	t 1 of	1	
Job No	1217	7062	26			Client			Galla	agher			Date	21-08-	05	
Contracto	r / Dr	iller			Met	hod/Pla J(	nt Use CB 3C>		Logged By	F		ates (OS) 539000.011 265599.963		Fround Level		D)
SAMP	LES	& TE	STS	3						STF	RATA					Install / Backfill
Depth	Туре	DID (DpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Dese	cription			Legend	Geology	
-						10.83	(0.30)	Dark brow subrounde	vn clayey slightly g ed flint (TERRACI	gravelly SAND. E DEPOSITS).	Gravel is fine	to medium ar	ngular to		TD	
- - - - - - -	JTB					10.63	0.50 	fine to me Moderate	y compact orange dium angular to s ly compact orange subrounded flint.	ubrounded flin e brown clayey	t. (TERRACE gravelly SAN	DEPOSITS).		n	TD	-
-					<b>1</b> <u>↓</u>	9.43	-(1.20) - - - - - - - - - - - - - - - - - - -	Stiff grey	mottled dark gree	n brown CLAY	(AMPTHILL C	CLAY).			TD	-
- - 2.20 - - -	JTB		106, 114, 94				- - - - - - - - - - - - -								AMP	
			112, 114, 136			7.73										-
		-2 A					Width	.00m	Shoring/Support:	Date	Time	Water Strike 1.70	Strikes Minutes	Standing	Rer	narks
D		С				B 0.6	Orientati degr	.60m on ees from north	Stability: Stable	General Rem Pit walls stabl		ndwater encoun	tered at 1.7m.			
Scale	e 1:31	.25				ll dimens dentificat		metres. Log	is should be read	I in accordance	with the provi	ded Key. Desc	criptions are	based on visu	al and	

			NS							TRIAL F	PIT LO	G		Hole	TPD0	33	
	В	One Qu irmingh bhone:	eens E am, B§	Drive 5 4PJ		ιų -	Project			North	stowe			Sheet	1 of	1	
Jo	ob No	1217	7062	26			Client			Galla	agher			Date	22-08-	05	
С	ontracto	or / Dr	iller			Met	hod/Pla J(	nt Use CB 3C>		Logged By	F	Co-Ordin E N	ates (OS) 538912.798 265295.928	G	iround Level 12.6		D)
	SAM	PLES	& TE	STS	3						STR	ATA					Install / Backfill
	Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Desc	cription			Legend	Geology	Dackin
-							12.38	(0.25)	angular to	vn slightly clayey s subrounded flint.					<u>1/</u> <u>x1 1/</u> x	TPS	_
-								- (0.55)	angular to	iff orange brown v subrounded flint	(TERRACE DE	EPOSITS).	LAY. Gravel is fir	ie to mea		TD	
0.	90	JTB					11.83	(0.30)		ly compact brown ed chalk and flint.		AND. Gravel	is fine to mediun	n angular	to 0	TD	-
				148, 160, 150			11.00	- - - (0.70)	light grey	ry stiff grey mottle silt. Gravel is fine RRACE DEPOSIT	to medium sub	n slightly grav bangular to su	elly CLAY with ra brounded flint. N	are pocket o silt afte	is of	TD	-
-							10.83	1.80 - - - - - -	Stiff friabl	e extremely close ant remains (AMP	ly fissured grey THILL CLAY).	mottled dark	brown CLAY wit	h rare bro	wn		
Ę	00	JTB		108, 126, 144			9.13	(1.70) - - - - - - - - - - - - - - - - - - -								AMP	
08 WSP TP LOG STANDARD #NORTHSTOWE MASTER DEC 2011.GPJ WSPETEMPLATE1.03.GDT 16/12/1								- - - - - - - - - - - - - - - -									
		1	·		<u> </u>		1	Length	·	Shoring/Support:			Water Str			1	1
ARD #NORTHSTOWE	► D		— 2 A				■ B 0.6	Width	.00m .60m	Stability:	Date	Time	Strike 2.10	Minutes	Standing	Rer	marks
P LOG STAND			С				<u> </u>		on ees from horth	Stable			ndwater encounter . (N-S)	ed at 2.1m	Sand and grave	el channe	el
10% %0	Sca	le 1:31	.25				ll dimens dentificat		metres. Log	gs should be read	in accordance	with the provi	ided Key. Descrip	otions are	based on visu	al and	

WSP Er		NS		nora					TRIAL F	PIT LO	G		Hole No.	TPD0	34	
B	One Que	eens E am, B	Drive 5 4PJ	0	y -	Project							Sheet			
Telep	hone: ( F	0121 3 ax:	352 47	00					North	stowe				1 of	1	
Job No	1217	7062	26			Client			Galla	agher			Date	22-08-	05	
Contracto	or / Dr	iller			Met	hod/Pla J(	nt Use CB 3C>		Logged By	F		ates (OS) 538899.609 265199.972	Grou	Ind Level		D)
SAMF	PLES	& TE	STS	;						STF	RATA					Install / Backfil
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	
0.30	JTB					12.41	-(0.40)	Soft dark subangula	brown sandy sligh ar flint.	ntly gravelly cla	IY TOPSOIL. G	ravel is fine and	angular to	$\frac{\underline{x} \cdot \underline{t}_{z}}{\underline{t}_{z}} \cdot \underline{x} \cdot \underline{t}_{z}$	TPS	
-							-		iff brown mottled o						TD	-
- - -						12.21	-(0.40)	Moderate	ly compact brown subrounded flint.	slightly clayey	gravelly SANE		,		тр	
	В		164, >260 246, 156			11.81	(0.70)	gravely C	ry stiff extremely c LAY. Gravel is fin f light grey white s	e to medium a	ngular to subro	ounded flint. rare	small		TD	-
- - - - - - - - - - -			146, 164, 132, 128			11.11	  (1.30) 		ry stiff grey mottle low 2.0m (KIMME			ming grey mottle	ed dark green		KIMM	
- - - -						9.81 9.71	-	Stiff to ve	ly weak light grey ry stiff friable extre h rare selenite cry	emely closely f	issured grey m	ottled dark gree	n brown		KIMM	-
- - - -						9.31	-(0.40) - 3.50 								KIMM	-
							- - - - - - -									
	1	<u> </u>	<u> </u>			1	Length	l	Shoring/Support:			Water St	ikes		<u> </u>	1
⊢ <b></b>		— 2 A			->	В 0.6	Width	.00m .60m	Stability:	Date	Time	Strike	Minutes	Standing	Rer	marks
		С				B 0.0 ⊥		on ees from horth	Stable	General Ren Pit walls stabl		oundwater encoun	tered.			
Scal	le 1:31	.25		Note man	es: A ual i	II dimens dentificat	ions in i	metres. Loç	gs should be read	in accordance	with the provid	ded Key. Descrip	otions are bas	ed on visu	ual and	

WSP	Enviror		t & E	nerg						PIT LO	G		Hole	TPD0	35	
Te	One Qu Birmingh lephone:	am, B	5 4PJ	00		Project			North	stowe			Shee	t 1 of	1	
Job No	121	7062	26		(	Client			Galla	agher			Date	22-08-	05	
Contrac	ctor / Di	iller			Meth	nod/Pla JC	nt Use CB 3C>		Logged By	F		ates (OS) 538829.638 265121.948	0	Fround Level 13.4		D)
SAN	<b>NPLES</b>	& TE	STS	;						STF	RATA					Install / Backfill
Depth	Туре	DID (Junv)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Dese	cription			Legend	Geology	
-						13.16	(0.30)		k brown sandy slig o subrounded flint.		ay TOPSOIL. (	Gravel is fine to	medium	$\frac{\sqrt{1_{Z}}}{1_{Z}} \frac{\sqrt{1_{Z}}}{\sqrt{1_{Z}}} \frac{\sqrt{1_{Z}}}{\sqrt{1_{Z}}}$	TPS	
-							_	Stiff brov	vn slightly sandy C	LAY (TERRAC	E DEPOSITS	s).				
-			106, 122, 104				-(0.80)								TD	
1.00	JTB					12.36	- 1.10	Marilanat								
- -						12.06	(0.30) 1.40	angular t	ely compact orange o subrounded flint closely fissured st	quartzite and o	halk (TERRA	CE DEPOSITS	).		TD	_
-			160, 160, 200,				- - - - - -	DEPOSI dark gree	TS). Pockets of lig en brown from 2.5r crystals from 3m (ł	ht grey silt betw n. Extremely c	ween 1.5 and losely fissured	1.9m. Becomin	g grey mot	tled		
3.00	JTB		180 138, 130, 140			9.96	(2.10) - - - - - - 3.50								KIMM	
							Length 2	.00m	Shoring/Support:	Date	Time	Water S Strike	trikes Minutes	Standing	Rer	marks
⊢ ∎ □		— 2 A C				B 0.6 ⊥	Width	.60m	Stability:	General Rem	narks	roundwater encou				
				Noto	IC. VI	I dimona	r	ees from North	gs should be read	in accordance	with the provi	ided Key Dece	intions or	hased on view	al and	
So	cale 1:3	.25		man	ual io	dentificat	ion.	neues. LO				ueu ney. Desu	יטווס מופ		ai ai lu	

	WSP E	nviror		t & E	Energ	IY -				TRIAL F	PIT LO	G		Hole	TPDO	)36	
	E	One Qu Birmingh phone: I	am, B	54PJ	00		Project			North	stowe			Shee	et 1 of	1	
J	ob No	121 <sup>-</sup>	7062	26			Client			Galla	agher			Date	e 22-08-	-05	
С	ontract	or / Dr	iller			Metl	hod/Pla	nt Use CB 3C)		Logged By	F		ates (OS) 538799.611 264999.966		Ground Leve 14.:		D)
Γ	SAM	PLES	& TE	STS	3						STR	RATA					Install / Backfill
	Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Dese	cription			Legend	Geology	
-							13.91	(0.30)	Firm dark subround	k brown sandy slig led flint and chalk.	htly gravelly cla	ay TOPSOIL. (	Gravel is fine an	d angula	r to $\frac{\underline{x}^{1} \overline{t}_{z}}{t_{z}} \frac{\underline{x}^{1} \overline{t}_{z}}{\underline{x}^{1} \overline{t}_{z}}$	TPS	
-							13.61	(0.30) 0.60	subround	brown sandy sligh led flint and chalk	(TERRACE DE	EPOSITS).	-			TD	
-				96, 126, 126				- -(0.40)		n mottled orange	brown and gre	y sandy CLAY	(TERRACE DE	POSITS	).	TD	
-	.20	JTB					13.21	(0.30)	Moderate subangul	ely compact brown ar flint. (TERRACI	very gravelly S E DEPOSITS).	SAND. Gravel	is fine to coarse	angular	to	TD	
- ' - - -	.20			104, 82, 114			12.91	- - -	Stiff grey rare fine	mottled dark gree selenite crystals b MMERIDGE CLAY	elow 1.8m. Bed	with rare sma coming extrem	II pockets of ligh ally closely fissu	nt grey sil Ired from	It		_
2	.00	JTB		108, 98, 114				- - - - - -(2.20)								KIMM	
-																	
6/12/11				152, 142, 130			10.71	- - - - 3.50								- - - - - - - - - - - - - - - - - - -	
08 WSP TP LOG STANDARD #NORTHSTOWE MASTER DEC 2011.GPJ WSPETEMPLATE1.03.GDT 16/12/11																	
								Length		Shoring/Support:	1		Water St	rikes			
TOWE									.00m	0	Date	Time	Strike	Minutes	Standing	Rer	marks
#NORTHS	<b> </b> ■		— 2 A			►	Ŧ	Width									
STANDARD	D		С				B 0.6 ⊥	0 Orientati	.60m on	Stability:	General Rem Pit walls stabl		roundwater encour	ntered.			
TPLOG									ees from north	Stable							
20 20	Sca	ile 1:31	.25				ll dimens dentificat		metres. Lo	gs should be read	in accordance	with the provi	ded Key. Descri	ptions ar	e based on vis	ual and	

WSP Er		NS		Inerg	y				TRIAL F	PIT LO	G		Hole	TPD0	37	
B	One Que irmingha bhone: 0	eens D am, B§	rive 5 4PJ	-		Project			North	stowe			Shee	et 1 of	1	
Job No	1217	7062	26			Client			Galla	agher			Date	e 21-08-	05	
Contracto	or / Dr	iller			Met	hod/Pla J(	nt Use CB 3C)		Logged By	F		ates (OS) 539038.619 265184.375		Ground Level 12.6		D)
SAMF	PLES	& TE	STS	3					1	STF	RATA					Install / Backfil
Depth	Туре	DID (DpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	
0.20	JTB					12.26	-(0.40)	medium a	iff dark brown san angular to subang	ular flint and ch	nalk.				TPS	
-			80, 88, 86			12.06	0.60	subangul clayey gra Stiff extre	nge brown sandy s ar flint and chalk. avelly SAND betw mely closely fissu	Northern side a een 0.4m and red grey mottle	and 3/4 of eas 1.4m (TERRA	tern side is ora	ange browr S).		TD	_
-			116, 144, 118				- - -(1.20) - -	rootiets (i	KIMMERIDGE CL	ΑΥ).					КІММ	
- - - - - 2.60	JTB					10.86	(0.30)	Stiff extre	nt grey SILTSTON mely closely fissu tlets (KIMMERIDG	red grey mottle		brown CLAY v	vith rare fin		КІММ	-
-						9.06	(1.50) - - - - 3.60								KIMM	
D Scal							- - - - - - - - - - - -									
[							Length		Shoring/Support:	1		Water	Strikes			
⊧ <b>-</b>		— 2 A			->		2 Width	.00m .60m		Date	Time	Strike	Strikes Minutes	Standing	Rer	marks
		С				B 0.6 		on ees from horth	Stability: Stable	General Ren Pit walls stabl		roundwater enco	ountered.			
Scal	e 1:31	.25				ll dimens dentificat		metres. Log	gs should be read	in accordance	with the provi	ded Key. Deso	criptions ar	e based on visu	al and	

WSP E		NS		nora					TRIAL F	PIT LO	G		Hole	No. TPD0	38	
	One Qu Birmingh phone:	eens [ am, B	Drive 5 4PJ	-		Project			North	stowe			Shee	et 1 of	1	
Job No	121	7062	26		(	Client			Galla	agher			Date	e 21-08-0	)5	
Contract	or / Di	iller		ſ	Neth	nod/Pla J(	nt Use CB 3C		Logged By	F		ates (OS) 539000.000 265099.969		Ground Level 13.0		D)
SAM	PLES	& TE	STS	;						STF	RATA					Install / Backfill
Depth	Туре	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Des	cription			Legend	Geology	
0.20	JTB					12.75	(0.30)	medium	m dark brown san angular to subang		elly clay TOP	SOIL. Gravel i	s fine to	$\frac{\sqrt{1/2}}{\sqrt{1/2}} = \frac{\sqrt{1/2}}{\sqrt{1/2}}$	TPS	
			90, 102,			12.35	(0.40)	Stiff brow subangul	n sandy slightly g ar flint (TERRACE	avelly CLAY. ( DEPOSITS).	Gravel is fine t	o medium ang	jular to		TD	-
- - -			84 228,			12.35	- - -	Stiff to ve	ry stiff extremely o RIDGE CLAY).	closely fissured	l grey mottled	orange brown	CLAY			
- - -			180, >260, 162				- - -(1.20) -								KIMM	
-						11.15	- - - 1.90									
Ē.						10.95	2.10		nt grey SILTSTON							
2.30 - - - - - - - - - - - - - - - - - - -	JTB		124, 114, 112				- - - - - - - - - - - - - - -	rare brow (KIMMEF	n woody plant ren NDGE CLAY).	nains. Friable v	vith rare selen	ite crystals bel	low 3m		KIMM	
						9.25	- 3.80 - - -									-
							- - - -									
							Length	.00m	Shoring/Support:	Date	Time	Water Strike	Strikes Minutes	Standing	Rer	marks
		— 2 A				В 0,6	Width		Stability:							
		С				¥		on rees from north	Stable	General Ren Pit walls stabl		roundwater encc	buntered.	1		
Sca	ale 1:3′	.25				l dimens lentificat		metres. Lo	gs should be read	in accordance	with the provi	ded Key. Deso	criptions ar	e based on visu	al and	

WSP	Fnv		VS		nerc	IV					PIT LO	G		Hole 1	TPD0	39	
	On Birn	e Que ningha one: (	ens E am, B	Drive			Project			North	stowe			Sheet	t 1 of	1	
Job Nc		217	062	26			Client			Galla	agher			Date	21-08-	05	
Contra	ctor	/ Dri	ller			Met	hod/Pla J(	nt Use CB 3C)		Logged By JN	١C		ates (OS) 538898.256 265027.968	;	Fround Level		D)
SA	MPL	ES .	& TE	STS	;						STF	RATA					Install Backfil
Depth	- ۱	Гуре	DID (DpmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick -ness)			Dese	cription			Legend	Geology	
-							13.41	(0.25)	organic n	brown slightly sar natter. Gravel is fir	ne to coarse ar	ngular to subro	unded flint.		1/ <u>N1/</u>	TPS	
- - - _0.60 -		JTB					40.70	-(0.65)		nge brown very san fine to coarse ang FS).					ng	TD	
- - - - -				248, 158, 128			12.76	0.90 - - - - (0.90)	Stiff to ve medium s	ry stiff blue grey b subangular to subr	ecoming dark ounded chalk	grey slightly g (TERRACE D	avelly CLAY. EPOSITS).	Gravel is fin	e to	TD	_
- - 2.00 - - -		JTB		128, 124, 140			11.86	- <u>1.80</u> 	Stiff to ve western f	ery stiff dark grey n ace of pit (KIMME	nottled blue gre RIDGE CLAY)	ey slightly sand	dy CLAY with i	rare flint on		KIMM	_
- - - - - -				162, 120, 144			10.46	- - - - - - - - - - - - - - - - - - -	Weak lig	ht grey SILTSTON	E (KIMMERID	GE CLAY).					
- - -							9.96	(0.30)	Stiff to ve	ery stiff closely to v	ery closely fiss	sured grey CLA	AY (KIMMERIE	DGE CLAY).		KIMM	
- - - - - - - -								-									
							<u>I</u>	Length	1	Shoring/Support:			Water	Strikes			<u> </u>
► D			— 2 A				■ ■ 0.6	Width	.00m .60m	Stability:	Date	Time	Strike	Minutes	Standing	Re	marks
			С				<u> </u>		on ees from north	Stable	General Rem Pit walls stabl		oundwater enco	ountered.			
S	cale	1:31	.25				II dimens dentificat		metres. Lo	gs should be read	in accordance	with the provi	ded Key. Deso	criptions are	based on visu	ial and	