



A F Howland Associates Geotechnical Engineers

Site
Sample Site

Borehole Number
BH01

Boring Method Cable Percussion	Casing Diameter 200mm cased to 4.50m 150mm cased to 15.00m	Ground Level (mOD) 5.37	Client Sample Client	Job Number WEBSITE
	Location	Dates 14/10/2010- 15/10/2010	Engineer	Sheet 1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.10	ES1				5.32	(0.05)	MADE GROUND (Firm slightly sandy slightly gravelly clay. Gravel is subangular to subrounded fine to medium chalk and flint)		
0.10-0.25	B1				5.12	0.05			
0.30	ES2				5.02	(0.20)	MADE GROUND (Friable brown silty fine to coarse sand with occasional subrounded medium flint gravel. Frequent wood (<30 mm) and brick (<20 mm) fragments and rootlets)		
0.50	ES3					0.25			
0.60-0.80	B2					(0.10)	MADE GROUND (Grey sandy silt (PFA) with occasional brick fragments)		
						0.35			
1.00	ES4				4.27	(0.75)	MADE GROUND (Brown clayey silty fine to coarse sand with occasional subangular to subrounded fine to coarse flint gravel and occasional brick fragments (< 2mm))		
						1.10			
1.50-1.95	SPT(C) N=13			1,2/3,2,3,5			MADE GROUND (Firm black sandy slightly gravelly clay. Gravel is subangular to subrounded fine to coarse flint. Occasional brick fragments and pockets of orange brown slightly sandy silt with grey mottling and slight hydrocarbon odour)		
1.50-1.95	B3					(2.20)			
2.00	D1						MADE GROUND (Firm black sandy slightly gravelly clay. Gravel is subangular to subrounded fine to coarse flint. Occasional brick fragments and pockets of orange brown slightly sandy silt with grey mottling and slight hydrocarbon odour)		
2.00	ES5					(2.20)			
3.00-3.45	SPT(C) N=9	3.00		1,1/1,2,3,3			MADE GROUND (Firm black sandy slightly gravelly clay. Gravel is subangular to subrounded fine to coarse flint. Occasional brick fragments and pockets of orange brown slightly sandy silt with grey mottling and slight hydrocarbon odour)		
3.00	D2					2.07			
3.00-3.45	B4					3.30	Firm brown silty CLAY with grey mottling		
3.30	D3					(0.30)			
3.60	D4				1.77	3.60	Very stiff friable blue grey silty slightly sandy CLAY. With frequent red grey and greenish grey mottling		
4.00	ES6						Very stiff friable blue grey silty slightly sandy CLAY. With frequent red grey and greenish grey mottling		
4.50	D5						Very stiff friable blue grey silty slightly sandy CLAY. With frequent red grey and greenish grey mottling		
4.50-4.95	U1	4.50		72 blows		(2.80)			
4.95-5.05	D6						...becoming stiff brown with blue grey mottling. Locally sandy		
5.05-5.50	SPT N=21	4.50		3,4/5,5,5,6					
5.05-5.50	D7						...becoming stiff brown with blue grey mottling. Locally sandy		
5.36	WR1								
5.50	D8						...becoming stiff brown with blue grey mottling. Locally sandy		
6.00-6.45	U2	4.50		100 blows			...becoming stiff brown with blue grey mottling. Locally sandy		
6.45-6.90	SPT N=38	4.50		3,5/7,9,10,12			Dense green very clayey silty predominantley fine to medium SAND with occasional ferruginous mottling		
6.45-6.90	D9					-1.03			
6.50	D10					6.40	Dense green very clayey silty predominantley fine to medium SAND with occasional ferruginous mottling		
6.75	ES7					(1.60)			
7.50-7.95	SPT N=29	7.50		2,6/6,7,8,8			...becoming medium dense		
7.50	D11					8.00			
7.50-7.95	D12						...becoming medium dense		
8.00	D13						Firm dark grey silty CLAY with frequent pockets of dark green fine to medium sand (<20 mm)		
						-2.63			
9.00	D14					8.00	Firm dark grey silty CLAY with frequent pockets of dark green fine to medium sand (<20 mm)		
9.00-9.45	U3	9.00	6.20	76 blows		(1.80)			
9.45-9.90	D15						...becoming brown with pockets of dark green sand		
9.55-10.00	SPT N=9	9.00	6.20	2,2/1,2,2,4		9.80			
9.55-10.00	D16						...becoming brown with pockets of dark green sand		
						-4.43			
							Off-white CHALK, recovered as subangular fine to coarse		

Remarks 1. Location CAT scanned prior to excavation. 2. Hand dug unspction pit to 1.2 m. 3. Groundwater not encountered. 4. On completion the borehole was installed with a 50 mm slotted standpipe to 15.0 m. 5. Samples of the PFA; B1A and B1B, were taken nearby.	Scale (approx) 1:50	Logged By FRH
Figure No. WEBSITE.BH01		



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Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.00	D17						gravel sized fragments of medium density off white chalk with occasional putty chalk matrix		
11.00 11.00-11.45	D18 U4	11.00	7.90	32 blows			...becoming low to medium density fragments of chalk with some putty chalk matrix		
11.45-11.55 11.55-12.00 11.45-11.55 11.55-12.00 12.00	D19 SPT N=7 D19B D20 D21	11.00	7.90	1,0/0,1,2,4					
13.00 13.00-13.45	D22 U5	13.00	9.80	14 blows		(6.20)	...locally putty chalk with occasional fine to medium gravel sized fragments of low density chalk		
13.45-13.55 13.50-13.95 13.55-14.00	D23 SPT N=7 D24	13.00	9.80	1,2/2,0,3,2					
14.00 14.00	D25 D25B								
15.00 15.00-15.45	D26 U6	15.00	7.30	32 blows					
15.45-15.55 15.55-16.00 15.55-16.00	D27 SPT N=14 D28	15.00	7.30	1,2/3,4,4,3					
					-10.63	16.00	Complete at 16.00m		

Remarks	Scale (approx) 1:50	Logged By FRH
Figure No. WEBSITE.BH01		