

PERCUSSIVE BOREHOLE LOG

Project Pinhole Clay Pit				PERCUSSIVE BOREHOLE No CP1	
Job No WE00298	Date 18-11-09	Ground Level (m) 60.36	Co-Ordinates ()		
Contractor Paddy Brine Drilling				Sheet 1 of 2	



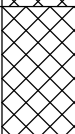
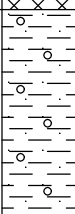

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.50	D						Made Ground - Compact dark brown clayey gravelly sand. Gravel is of sandstone and occasional brick fragments.		
1.00-1.45	SPT	N36							
1.70	B								
2.00-2.45	SPT	N44				(4.00)			
2.70	D						Made Ground - Soft dark brown sandy gravelly CLAY. Gravel is of brick and sandstone fragments.		
3.00-3.45	SPT	N23							
3.70-3.90	B			56.36		4.00			
4.00-4.45	SPT	N11				(1.00)			
4.70	D			55.36		5.00	Made Ground - Compact dark brown and red brown sandy very clayey gravel. Gravel is of brick fragments with occasional sandstone.		
5.00-5.45	SPT	N7							
5.70-5.90	B					(1.60)			
6.00-6.45	SPT	N18							
6.80-7.20	B			53.76		6.60	Made Ground - Compact red brown slightly clayey gravelly sand. Gravel is of brick and sandstone.		
7.50-7.95	SPT	N4							

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
18-11-09	10.30	0.00									No installation
All dimensions in metres Scale 1:50			Client Pinhoe Quarry LLP			Method/ Plant Used Pilcon 1 ton			Logged By APC		

Log: 08a CBGE PERCUSSIVE BOREHOLE LOG N/CBSW EXETER OFFICE\PROJECTS\WE00298 - PINHOE CLAY PIT\PRODUCTION\DATA - GEO ENV\CB DATA\GINT\WE00298.GPJ CLARKE BOND.GDT 12/02/2010 15:34:53

PERCUSSIVE BOREHOLE LOG

Project Pinhole Clay Pit				PERCUSSIVE BOREHOLE No CP1	
Job No WE00298	Date 18-11-09	Ground Level (m) 60.36	Co-Ordinates ()		
Contractor Paddy Brine Drilling				Sheet 2 of 2	

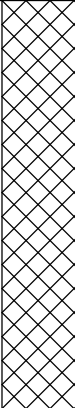
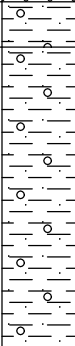

SAMPLES & TESTS			Water	STRATA			Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)		
8.50	D	N15				(3.10)	Made Ground - Compact red brown slightly clayey gravelly sand. Gravel is of brick and sandstone.(continued)	
9.00-9.45	SPT			50.66		9.70		
9.90-10.20	B	N37			(0.90)	Made Ground - Firm red brown gravelly very sandy clay. Gravel is of brick and sandstone. Occasional wood fragments.		
10.50-10.95	SPT		49.76		10.60			
11.20-11.70	B				(1.40)	Stiff dark red brown and purple slightly sandy gravelly CLAY. Gravel is is of very weak fragments of shale and sandstone.		
12.00-12.40	SPT		N50/ 30	48.36		12.00		
12.40-12.70	D	N52/ 150			(0.70)	Very weak purple brown thinly laminated fine grained MUDSTONE. Occasional thin (2cm thick) bands of sandstone. Mudstone is extremely closely fissured with red brown staining on surfaces and occasional red brown clay infill.		
12.70-13.00	SPT		47.66		12.70			
						End of hole at 12.7mbgl.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
19-11-09	16.30	12.70	11.00		Dry	12.5	12.7	0030			No installation
All dimensions in metres Scale 1:50			Client Pinhoe Quarry LLP			Method/ Plant Used Pilcon 1 ton			Logged By APC		

Log: 08a CBGE PERCUSSIVE BOREHOLE LOG - N/CBSW EXETER OFFICE\PROJECTS\WE00298 - PINHOE CLAY PIT\PRODUCTION\DATA - GEO ENV\CB DATA\GINT\WE00298.GPJ CLARKE BOND.GDT 12/02/2010 15:34:53

PERCUSSIVE BOREHOLE LOG

Project Pinhole Clay Pit				PERCUSSIVE BOREHOLE No CP2	
Job No WE00298	Date 16-11-09 17-11-09	Ground Level (m) 65.79	Co-Ordinates ()		
Contractor Paddy Brine Drilling				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
0.20-0.90	B	N16		63.09		(2.70)	Made Ground - Firm reddish grey brown slightly sandy gravelly clay. Gravel is of angular fragments of brick, sandstone and quartz. Occasional paper.		
1.00-1.45	SPT								
1.90 2.00-2.45	D SPT								
2.70-2.90	B	N56		62.79		(2.00)	Firm red brown and grey purple slightly sandy gravelly CLAY. Gravel is of extremely weak fragments of shale.		
3.00-3.45	SPT								
3.70 4.00-4.45	D SPT								
4.70-4.90	B	N50/ 70 N50/ 70		60.79		(0.50)	Very weak purple brown thinly laminated fine grained MUDSTONE. Occasional thin bands of sandstone. Mudstone is extremely closely fissured with red brown staining on surfaces and occasional red brown clay infill.		
5.00-5.30	SPT								
5.30	D								
5.50-5.70	SPT						End of hole at 5.5mbgl.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
26-11-09	10.30	0.00				5.3	5.5	0100			No installation
26-11-09	16.30	5.30	1.50								
27-11-09	08.00	5.30	1.50		Dry						
27-11-09	10.00	5.50	1.50		Dry						
All dimensions in metres Scale 1:50			Client Pinhoe Quarry LLP			Method/ Plant Used			Pilcon 1 ton		Logged By APC

Log *08a CBGE PERCUSSIVE BOREHOLE LOG N/CBSW EXETER OFFICE\PROJECTS\WE00298 - PINHOLE CLAY PIT\PRODUCTION DATA - GEO ENV\CB DATA\GINT\WE00298.GPJ CLARKE BOND.GDT 12/02/2010 15:34:56

PERCUSSIVE BOREHOLE LOG

Project Pinhole Clay Pit				PERCUSSIVE BOREHOLE No CP2i
Job No WE00298	Date 17-11-09	Ground Level (m) 66.24	Co-Ordinates ()	
Contractor Paddy Brine Drilling				Sheet 1 of 2

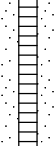
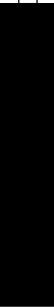

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.20	B						Made Ground - Firm reddish grey brown slightly sandy gravelly clay. Gravel is of angular fragments of brick, sandstone and quartz. Occasional paper.		
1.00-1.45	SPT	N5							
1.70	D								
2.00-2.45	SPT	N4				(4.20)			
2.70-2.90	B								
3.00-3.45	SPT	N4							
3.70	D								
4.00-4.45	SPT	N7		62.04		4.20	Made Ground - Compact red brown sandy clayey gravel. Gravel is of brick and brick fragments. Occasional metal and plastic.		
4.70-4.90	B								
5.00-5.45	SPT	N6							
5.70	D								
6.00-6.45	SPT	N4				(4.50)			
6.80-7.20	B								
7.50-7.95	SPT	N8							

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
17-11-09	10.30	0.00									Hole completed with raised top hat cover
All dimensions in metres Scale 1:50			Client Pinhoe Quarry LLP			Method/ Plant Used Pilcon 1 ton			Logged By APC		

Log: "08a CBGE PERCUSSIVE BOREHOLE LOG - NICEBSW EXETER OFFICE\PROJECTS\WE00298 - PINHOE CLAY PIT\PRODUCTION\DATA - GEO\ENVCB DATA\GINT\WE00298.GPJ CLARKE BOND.GDT 12/02/2010 15:34:58"

PERCUSSIVE BOREHOLE LOG

Project Pinhole Clay Pit				PERCUSSIVE BOREHOLE No CP2i	
Job No WE00298	Date 17-11-09	Ground Level (m) 66.24	Co-Ordinates ()		
Contractor Paddy Brine Drilling				Sheet 2 of 2	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill	
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick- ness)	DESCRIPTION			
8.20	D	N13					Made Ground - Compact red brown sandy clayey gravel. Gravel is of brick and brick fragments. Occasional metal and plastic(continued)			
8.80	D			57.54		8.70		Made Ground - Compact slightly clayey sand. Occasional medium to coarse gravel sized pockets of silt.		
9.00-9.45	SPT			56.94		(0.60) 9.30				
9.50-9.90	B					(1.40)	Stiff dark red brown and purple slightly sandy gravelly CLAY. Gravel is is of very weak fragments of shale and sandstone.			
10.40	D	N50/ 70								
10.50-10.70	SPT			55.54		10.70				
10.80	D	N50/ 70								
11.00-11.10	SPT			55.24		11.00		Very weak purple brown thinly laminated fine grained MUDSTONE. Occasional thin bands of sandstone. Mudstone is extremely closely fissured with red brown staining on surfaces and occasional red brown clay infill.		
							End of hole at 11.0mbgl.			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
17-11-09	16.30	11.00	9.30		Dry	10.8	11.0	0030			Hole completed with raised top hat cover
All dimensions in metres Scale 1:50			Client Pinhoe Quarry LLP			Method/ Plant Used Pilcon 1 ton			Logged By APC		

Log: 08a CBGE PERCUSSIVE BOREHOLE LOG N13CBW EXETER OFFICE\PROJECTS\WE00298 - PINHOLE CLAY PIT\PRODUCTION\DATA - GEO ENV\CB DATA\GINT\WE00298.GPJ CLARKE BOND.GDT 12/02/2010 15:34:58

PERCUSSIVE BOREHOLE LOG

Project Pinhole Clay Pit				PERCUSSIVE BOREHOLE No CP3	
Job No WE00298	Date 19-11-09	Ground Level (m) 61.17	Co-Ordinates ()		
Contractor Paddy Brine Drilling				Sheet 1 of 2	

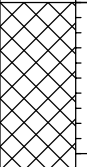
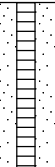


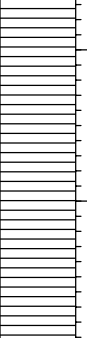

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.50	D						Made Ground - Firm red brown slightly sandy slightly gravelly clay. Gravel is of angular, fine to medium sized fragments of mudstone and brick.		
1.00-1.45	SPT	N31							
1.70-1.90	B								
2.00-2.45	SPT	N17				(4.10)			
2.70	D						Made Ground - Firm dark red brown sandy gravelly clay. Gravel is of angular fragments of brick and sandstone.		
3.00-3.45	SPT	N18							
3.70-3.90	B								
4.00-4.45	SPT	N13		57.07		4.10			
4.70	D						Made Ground - Compact slightly clayey sand. Occasional medium to coarse gravel sized pockets of silt.		
5.00-5.45	SPT	N15							
5.70-5.90	B					(3.40)			
6.00-6.45	SPT	N10							
6.80-7.20	B								
7.50-7.95	SPT	N33		53.67		7.50			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
19-11-09	10.30	0.00									Hole completed with raised top hat cover
All dimensions in metres Scale 1:50			Client Pinhoe Quarry LLP			Method/ Plant Used Pilcon 1 ton			Logged By APC		

Log: 08a CBGE PERCUSSIVE BOREHOLE LOG N/CBSW EXETER OFFICE\PROJECTS\WE00298 - PINHOLE CLAY PIT\PRODUCTION\DATA - GEO ENV\CB DATA\GINT\WE00298.GPJ CLARKE BOND.GDT 12/02/2010 15:35:00

PERCUSSIVE BOREHOLE LOG

Project Pinhole Clay Pit				PERCUSSIVE BOREHOLE No CP3	
Job No WE00298	Date 19-11-09	Ground Level (m) 61.17	Co-Ordinates ()		
Contractor Paddy Brine Drilling				Sheet 2 of 2	

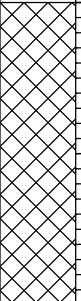
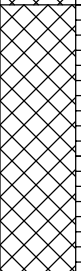
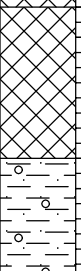
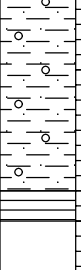
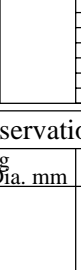
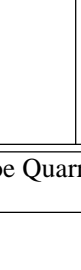

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
8.00-8.50	B					(1.60)	Made Ground - Compact slightly clayey sand. Occasional medium to coarse gravel sized pockets of silt.(continued)		
9.00-9.45	SPT	N12		52.07		9.10			
9.40	D			51.57		(0.50) 9.60	Stiff dark red brown and purple slightly sandy gravelly CLAY. Gravel is is of very weak fragments of shale and sandstone.		
9.70-10.20	B						Very weak purple brown thinly laminated fine grained MUDSTONE. Occasional thin bands of sandstone. Mudstone is extremely closely fissured with red brown staining on surfaces and occasional red brown clay infill.		
10.50-10.95	SPT	N14				(2.40)			
11.50	D			49.17		12.00			
12.00-12.10	SPT	N50/20					End of hole at 12mbgl		
12.10	D								
12.20-12.40	SPT	N50/20							

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
19-11-09	15.00	12.00	11.50		10.1	12	12.1	0030			Hole completed with raised top hat cover
All dimensions in metres Scale 1:50			Client Pinhoe Quarry LLP			Method/ Plant Used Pilcon 1 ton			Logged By APC		

Log: 08a CBGE PERCUSSIVE BOREHOLE LOG - N/CBSW EXETER OFFICE\PROJECTS\WE00298 - PINHOE CLAY PIT\PRODUCTION\DATA - GEO ENV\CB DAT\GINT\WE00298.GPJ CLARKE BOND.GDT 12/02/2010 15:35:00

PERCUSSIVE BOREHOLE LOG

Project Pinhole Clay Pit				PERCUSSIVE BOREHOLE No CP4	
Job No WE00298	Date 19-11-09 20-11-09	Ground Level (m) 57.87	Co-Ordinates ()		
Contractor Paddy Brine Drilling				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.70-0.80	B	N12				(2.00)	Made Ground - Firm red brown slightly sandy slightly gravelly clay. Gravel is of angular, fine to medium sized fragments of mudstone and brick.		
1.00-1.45	SPT								
1.70	D	N4		55.87		2.00			
2.00-2.45	SPT						Made Ground - Soft red brown sandy gravelly silt. The gravel is of brick and sandstone fragments.		
2.70-2.90	B	N3				(1.80)			
3.00-3.45	SPT								
3.80	D	N8		54.07		3.80			
4.00-4.45	SPT					(1.00)	Made Ground - Firm dark brown and red brown slightly sandy gravelly clay. Gravel is of brick and sandstone. Occasional wood fragments.		
4.80	D	N54		53.07		4.80			
5.00-5.45	SPT						Stiff dark red brown and purple slightly sandy gravelly CLAY. Gravel is is of very weak fragments of shale and sandstone.		
5.70-5.90	B	N83				(2.00)			
6.00-6.40	SPT								
6.70	D	N50/50		51.07		6.80			
7.00-7.20	SPT			50.87		7.00	Very weak purple brown thinly laminated fine grained MUDSTONE. Occasional thin bands of sandstone. Mudstone is extremely closely fissured with red brown staining on surfaces and occasional red brown clay infill. End of hole at 7mbgl.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
19-11-09	15.30	0.00				6.8	7.0	0030			Hole completed with raised top hat cover
19-11-09	16.30	2.00	2.00								
20-11-09	10.30	7.00	4.80		Dry Dry						
All dimensions in metres Scale 1:50		Client Pinhoe Quarry LLP				Method/ Plant Used		Pilcon 1 ton			Logged By APC

Log 08a CBGE PERCUSSIVE BOREHOLE LOG N10CBW EXETER OFFICE\PROJECTS\WE00298 - PINHOE CLAY PIT\PRODUCTION\DATA - GEO ENV\CB DATA\GINT\WE00298.GPJ CLARKE BOND.GDT 12/02/2010 15:35:02