
 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL							Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI- CONTRACT 2		Borehole Number CP1241	
Boring Method Cable Percussion		Casing Diameter 150mm cased to 15.00m		Ground Level (mOD) 63.75		Client Highways Agency		Job Number WAL060099		
		Location 445054 E 372984 N		Dates 15/11/2006		Engineer Arup		Sheet 1/2		
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.50	B101			Groundwater was encountered as a seepage at 13.50m(1) at 0.00m.	63.25	(0.50) 0.50	MADE GROUND. Soft medium to dark brown sandy clay with abundant subrounded to angular fine to coarse gravel sized fragments of mudstone and sandstone.		√1	
1.20	B102				62.55	(0.70) 1.20	MADE GROUND. Firm to stiff mottled light greyish brown/dark greyish brown slightly sandy clay with abundant gravel sized fragments of subangular to angular fine to medium mudstone. With rare wood fragments up to 60mm.			
1.50-1.95	U1			40 blows			MADE GROUND. Stiff to very stiff mottled brown grey and orange clay with subangular to subrounded fine to coarse gravel sized fragments of mudstone, coal and siltstone.			
2.00	D2									
2.50-2.66	SPT 25'/75 50/80 D3 B4	2.50	DRY	25/39,11						
2.50										
2.50-3.00										
3.50-3.95	U5			100 blows						
4.00	D6									
4.50-4.95	SPT N=37 D7 B8	4.50	DRY	5,4/4,6,12,15		(6.30)				
4.50										
4.50-5.00										
5.50-5.95	U9			30 blows						
6.00	D10									
6.50-6.95	SPT N=19 D11 B12	4.50	DRY	4,4/5,4,5,5						
6.50										
6.50-7.00										
7.50-7.61	SPT(C) 25'/60 50/50 U13	4.50	DRY	25/50	56.25	7.50	MADE GROUND. Dark brown slightly gravelly sandy clay. Sand is fine to coarse. Gravel is subangular fine to coarse of slag.			
7.50-8.00				100 blows		(0.60)				
8.10	D14				55.65	8.10	Firm to stiff brown and mottled orange brown and grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone and mudstone. Possible			
9.00-9.45	U15			60 blows						
9.50	D16									
Remarks							Scale (approx) 1:50	Logged By OP		
							Figure No.			



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Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.50-10.95 10.50 10.50-11.00	SPT N=32 D17 B18	4.50	DRY	5,6/7,8,8,9		(4.10)	CLAY (as previous sheet)		
12.00-12.45	U19			80 blows	51.55	12.20	Stiff to very stiff brown slightly sandy locally sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and siltstone. Possible		
12.50	D20					(1.90)			
13.50-13.95 13.50 13.50-14.00	SPT N=34 D21 B22	13.50	DRY	6,7/6,8,8,12		14.10	Stiff friable dark grey CLAY.		
14.10	D23				49.65				
15.00-15.24 15.00 15.00-15.50	SPT 25'/85 50/150 D24 B25	15.00	DRY	19,6/32,18		(2.00)	From 15.00m; very stiff		
16.10	D26			15/11/2006:DRY	47.65	16.10	At 16.10m; very weak mudstone. Complete at 16.14m		
16.10-16.14	SPT 25'/10 50/30	15.00	DRY	15/11/2006: 25/50 15/11/2006:					
Remarks							Scale (approx) 1:50	Logged By OP	Figure No.