




British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL						Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI - CONTRACT 2		Borehole Number CP1235	
Boring Method Cable Percussion		Casing Diameter 150mm cased to 2.50m		Ground Level (mOD) 86.80		Client Highways Agency		Job Number WAL060099	
		Location 444677 E 370503 N		Dates 13/11/2006-14/11/2006		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 not apparent during boring(1) at 0.00m.	86.50	(0.30) 0.30	TOPSOIL.		√1
							MADE GROUND. Soft becoming firm to stiff, dark grey with some brown mottling, slightly gravelly clay. Gravel is subangular to subrounded, fine to coarse of mudstone and ironstone.		
1.50-1.95 2.00	U1 D2			13/11/2006: 13/11/2006: 13/11/2006: 14/11/2006: 35 blows			At 2.00m; some grey mottling and occasional cobble sized pockets of pulverised coal.		
2.50-2.95 2.50 2.50-3.00	SPT N=20 D3 B4	2.50	DRY	4,4/6,4,5,5					
3.50-3.95	U5			40 blows		(6.90)			
4.00	D6								
4.50-4.95 4.50 4.50-5.00	SPT N=18 D7 B8	2.50	DRY	3,4/4,5,4,5			At 4.50m; grey clay with rare sand.		
5.50-5.95	U9			60 blows			At 5.50m; stiff.		
6.00	D10						At 6.00m; gravel includes sandstone and siltstone.		
6.50-6.95 6.50 6.50-7.00	SPT N=23 D11 B12	2.50	DRY	4,5/6,6,5,6					
7.20	D13				79.60	7.20	MADE GROUND. Firm to stiff mottled light grey and orange brown slightly gravelly clay. Gravel is subangular to subrounded, fine and medium of mudstone.		
7.50-7.95	U14			80 blows		(1.30)			
8.00	D15								
8.50	D16				78.30	8.50	Very stiff grey with some brown mottling, slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of mudstone.		
9.00-9.45 9.00 9.00-9.50	SPT N=85 D17 B18	2.50	DRY	12,13/15,19,24,27		(2.70)			
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	
10.50-10.79 10.50 10.50-11.00	SPT 82/135 D19 B20	2.50	DRY	12,13/32,50		(2.70)	CLAY (as previous sheet)			
					75.60	11.20 (0.40)	Very weak dark grey MUDSTONE.			
11.60	D21			14/11/2006:DRY	75.20	11.60				
11.60-11.68	SPT 25/40 50/35	2.50	DRY	14/11/2006: 25/50 14/11/2006:			Complete at 11.68m			
Remarks							Scale (approx) 1:50	Logged By OP	Figure No.	