



British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL						Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI - CONTRACT 2		Borehole Number CP1223	
Boring Method Cable Percussion		Casing Diameter 150mm cased to 2.20m		Ground Level (mOD) 112.00		Client Highways Agency		Job Number WAL060099	
		Location 445319 E 366642 N		Dates 25/09/2006-26/09/2006		Engineer Arup		Sheet 1/1	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.10-1.00	B1			Groundwater was not apparent during boring(1) at 0.00m.	111.90	(0.10) 0.10	TOPSOIL.		V1
1.20-1.70	B2			25/09/2006:		(1.50)			
1.20-1.65	SPT(C) N=13		DRY	25/09/2006: 1,2/2,3,4,4 25/09/2006:	110.40	1.60	Below 1.20m; medium dense. Below 1.20m; with ironstone nodules.		
1.90-2.35	U3			26/09/2006: 100 blows			MADE GROUND. Firm dark grey mottled brown gravelly clay. Gravel is subangular to subrounded, fine to coarse of mudstone, sandstone and occasional coal.		
2.40	D4								
2.90-3.35 2.90-3.35 2.90-3.40	SPT N=16 D5 B6	2.20	DRY	2,3/3,4,4,5		(2.80)			
3.90-4.35	U7			100 blows			At 3.90m; very stiff.		
4.40 4.50-4.95 4.50-4.95 4.50-5.00	D8 SPT N=48 D9 B10	2.20	DRY	9,10/12,11,12,13	107.60	4.40	MADE GROUND. Dense light brown slightly clayey to clayey slightly gravelly sand. Sand is fine and medium, gravel is subangular to subrounded fine and medium of mudstone and sandstone with occasional coal. (Possible Made Ground).		
						(1.10)			
5.50-5.95 5.50-5.95 5.50-6.00	SPT N=33 D11 B12	2.20	DRY	2,4/7,8,8,10	106.50	5.50	MADE GROUND. Stiff dark grey mottled brown gravelly clay. Gravel is subangular to subrounded fine to coarse of mudstone, sandstone and coal. With occasional gravel of quartz.		
6.50-6.95	U13			100 blows		(1.90)			
7.00	D14								
7.40-7.64	SPT 25'/115 50/125	2.20	DRY	13,12/22,28	104.60	7.40			
7.40-7.64 7.40-7.80 7.80-7.86	D15 B16 D17			26/09/2006:DRY	104.20	(0.40) 7.80	Possible MADE GROUND. Recovered as red brown subrounded fine to coarse gravel size fragments of friable fine to medium grained SANDSTONE. Possible		
7.80-7.86	SPT 25'/30 50/30	2.20	DRY	26/09/2006: 25/50 26/09/2006:DRY			Complete at 7.86m		
Remarks								Scale (approx) 1:50	Logged By RMS
								Figure No.	