




British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL						Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI - CONTRACT 2		Borehole Number CP1219	
Boring Method Cable Percussion		Casing Diameter 150mm cased to 2.20m		Ground Level (mOD) 103.80		Client Highways Agency		Job Number WAL060099	
		Location 445345 E 365120 N		Dates 25/09/2006-29/09/2006		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
0.20-0.80	B1				103.60	(0.20) 0.20	TOPSOIL.		
0.80-1.20	B2				103.00	(0.60) 0.80	MADE GROUND. Compact brown sandstone fill (driller's description).		
1.20-1.65 1.70	U3 D4			25/09/2006: 25/09/2006: 43 blows 25/09/2006:			MADE GROUND. Firm to stiff light brown mottled grey slightly gravelly clay. Gravel is angular to subrounded, fine to coarse of mudstone, ironstone, sandstone, coal and quartz.		
2.20-2.65 2.20-2.65 2.20-2.70	SPT N=15 D5 B6		DRY	29/09/2006: 2,3/3,4,3,5		(3.40)	At 2.20m; stiff fissile dark grey slightly gravelly clay with occasional twigs.		
3.20-3.65	U7			100 blows					
3.70	D8								
4.20-4.65 4.20-4.65 4.20-4.70	SPT N=20 D9 B10	2.20	DRY	3,4/4,4,5,7	99.60	4.20 (1.50)	MADE GROUND. Stiff light grey mottled yellow brown slightly fissile gravelly clay/clayey sand. Gravel is subrounded coarse of fine grained weathered sandstone.		
5.20-5.65	U11			94 blows					
5.70	D12				98.10	5.70	MADE GROUND. Stiff dark grey friable silt/clay with angular fine to coarse fragments of friable mudstone.		
6.20-6.65 6.20-6.65 6.20-6.70	SPT N=22 D13 B14	2.20	DRY	4,5/5,5,6,6					
7.20-7.65	U15			100 blows					
7.70	D16								
8.70-9.15 8.70-9.15 8.70-9.20	SPT N=25 D17 B18	2.20	DRY	4,7/7,5,6,7					
Remarks								Scale (approx) 1:50	Logged By RMS
								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	
10.20-10.65	U19			100 blows			MADE GROUND (as previous sheet)			
10.70	D20									
11.50	W25			Water strike(1) at 11.50m.						
11.70-12.15	SPT N=27	2.20	DRY	4,5/7,7,6,7			At 11.70m; carbonaceous mudstone.			
11.70-12.15	D21									
11.70-12.20	B22									
13.20-13.65	U23			84 blows		(10.50)				
13.70	D24									
14.70-15.15	SPT N=28	2.20	12.10	3,5/7,6,7,8						
14.70-15.15	D26									
14.70-15.20	B27									
16.20-16.47	SPT 25'/135	2.20	12.50	10,15/23,27	87.60	16.20				
16.20-16.47	D28					(0.40)				
16.20-16.60	B29					16.60	MADE GROUND. Carbonaceous mudstone recovered as grey clayey angular fine to coarse fragments with many cobbles of hard mudstone. Possible Made Ground.			
16.60-16.84	D30				87.20					
16.60-16.84	SPT 25'/115	2.20	12.00	29/09/2006:12.00m						
	50/125			29/09/2006:13,12/26,24						
				29/09/2006:DRY			Complete at 16.84m			
Remarks							Scale (approx) 1:50	Logged By RMS	Figure No.	