




 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL							Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI- CONTRACT 2		Borehole Number CP1211	
Boring Method Cable Percussion		Casing Diameter 150mm cased to 2.20m		Ground Level (mOD) 139.30		Client Highways Agency		Job Number WAL060099		
		Location 445143 E 362475 N		Dates 21/09/2006- 26/09/2006		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	
0.35-1.20	B1			Groundwater was not apparent during boring(1) at 0.00m.			MADE GROUND. Firm light brown grey slightly sandy slightly gravelly to gravelly clay. Gravel is subangular to subrounded, fine to coarse of sandstone and mudstone.		√1	
1.20-1.65 1.70	U2 D3			21/09/2006: DRY 21/09/2006: 46 blows 21/09/2006:						
2.20-2.65 2.20 2.20-2.70	SPT N=12 D4 B5	2.20	DRY	1,3/3,3,3,3			Below 2.20m; with coal. At 2.20m; pockets of dark grey fissured clay.			
3.20 3.20-3.65	D7 U6			52 blows						
4.20-4.65 4.20 4.20-4.70	SPT N=10 D8 B9	2.20	DRY	3,3/2,3,2,3						
5.20-5.65	U10			71 blows		(11.00)	At 5.20m; stiff.			
5.70	D11									
6.20-6.65 6.20 6.20-6.70	SPT N=15 D12 B13	2.20	DRY	10,8/4,4,3,4			From 6.20m; with angular to subangular, fine to coarse gravel of sandstone and occasional coal.			
7.20-7.65	U14			100 blows						
7.70	D15									
8.20-8.65 8.20 8.20-8.70	SPT N=43 D16 B17	2.20	DRY	4,7/8,9,11,15						
9.70-10.15	U18			100 blows						
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	D19					(11.00)				
11.10-11.40	SPT 62/150	2.20	DRY	10,19/27,35	128.30	11.00	Fissile light yellow brown mottled grey becoming light grey			
11.10	D20				128.00	(0.30)	CLAY with subangular fine to medium fragments of			
11.20	B21					11.30	weathered mudstone. With occasional organic material.			
						(0.60)	Possible			
11.90	D22			26/09/2006:DRY	127.40	11.90	Recovered as light grey angular to subrounded, fine to			
11.90-12.12	SPT 35/70	2.20	DRY	26/09/2006: 13,24/35 26/09/2006:DRY			coarse gravel size fragments of weathered MUDSTONE.			
							Complete at 12.12m			
Remarks							Scale (approx) 1:50	Logged By RMS	Figure No.	