



 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL							Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI - CONTRACT 2		Borehole Number CP1224	
Boring Method Cable Percussion		Casing Diameter 150mm cased to 2.20m		Ground Level (mOD) 115.75		Client Highways Agency		Job Number WAL060099		
		Location 445360 E 366815 N		Dates 27/09/2006		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	
0.20 0.50	B101 B102			Groundwater was not apparent during boring(1) at 0.00m.			MADE GROUND. Firm to stiff light brown mottled grey slightly sandy, slightly gravelly clay. Gravel is angular to subrounded, fine to coarse of mudstone, coal, siltstone and sandstone.		✓1	
1.20 1.20-1.65	B103 U2			60 blows						
1.70 1.80	D3 C4									
2.20-2.65 2.20 2.20-2.70 2.80	SPT N=24 D5 B6 C7		DRY	1,3/3,5,8,8			From 2.20m; pockets of dark grey fissile clay.			
3.20-3.65	U8			95 blows						
3.70 3.80	D9 C10					(7.50)	From 3.70m; not sandy.			
4.20-4.65 4.20 4.20-4.70 4.80	SPT N=31 D11 B12 C13	2.20	DRY	3,4/4,7,9,11			From 4.20m; fissile, grey. With subangular to subrounded, fine to coarse gravel of friable weathered mudstone with iron staining. With cobble size pockets of coal and coal dust.			
5.20-5.65	U14			100 blows						
5.70 5.80	D15 C16									
6.20-6.65 6.20 6.20-6.70 6.80	SPT N=24 D17 B18 C19	2.20	DRY	6,6/6,7,5,6			From 6.20m; becoming mottled brown with gravel of sandstone.			
7.20-7.65	U20			100 blows						
7.70 7.80	D21 C22				108.25	7.50	Possible MADE GROUND. Firm friable dark brown slightly sandy, slightly gravelly to gravelly clay. Gravel is angular to subrounded fine to coarse of mudstone, sandstone and coal. Possible			
8.20-8.65 8.20 8.20-8.70	SPT N=24 D23 B24	2.20	DRY	6,6/5,5,6,8	107.25	8.50	Possible MADE GROUND. Brown mudstone (driller's description).			
8.70-9.00	U25			100 blows		(0.50)				
9.05-9.08 9.05 9.05-9.20 9.20-9.20	SPT 25'/30 35/0 D26 B27 SPT 35'/0	2.20	DRY	25/35 27/09/2006:DRY 35/	106.75 106.55	9.00 (0.20) 9.20	Possible MADE GROUND. Recovered as angular to subrounded, fine to coarse fragments of light yellow brown silty fine sandstone.			
							Complete at 9.20m			
Remarks							Scale (approx) 1:50	Logged By RMS	Figure No.	