



 <b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL							<b>Site</b> M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI- CONTRACT 2		<b>Borehole Number</b> <b>CP1258</b>	
<b>Boring Method</b> Cable Percussion		<b>Casing Diameter</b> 200mm cased to 6.00m		<b>Ground Level (mOD)</b> 127.70		<b>Client</b> Highways Agency		<b>Job Number</b> WAL060099		
		<b>Location</b> 445303 E 363150 N		<b>Dates</b> 08/11/2006- 09/11/2006		<b>Engineer</b> Arup		<b>Sheet</b> 1/2		
<b>Depth (m)</b>	<b>Sample / Tests</b>	<b>Casing Depth (m)</b>	<b>Water Depth (m)</b>	<b>Field Records</b>	<b>Level (mOD)</b>	<b>Depth (m) (Thickness)</b>	<b>Description</b>	<b>Legend</b>	<b>Water</b>	
0.15-1.20	B1				127.55	(0.15) 0.15	TOPSOIL (driller's description)  MADE GROUND. Firm becoming stiff mottled grey brown slightly sandy clay with lenses of orange silt and gravel sized fragments of subangular fine to coarse flint, mudstone, sandstone and coal. Sand is fine. With occasional organic matter.			
1.20-1.65	U2			33 blows						
1.70	D3									
2.20-2.65 2.20 2.20-2.70	SPT N=8 D4 B5	1.70	DRY	2,2/2,2,2,2			At 2.20m; soft. Below 2.20m; grey.			
3.00-3.45 3.00 3.00-3.50	SPT N=37 D6 B7	1.70	DRY	2,5/11,7,9,10			At 3.00m; very stiff. Below 3.00m; slightly gravelly. Gravel is subangular to subrounded fine to coarse of mudstone and coal.			
4.00-4.45 4.00-4.45 4.00-4.50	SPT N=12 D8 B9	4.00	DAMP	1,2/2,3,3,4						
5.00-5.45	U10			38 blows						
5.50	D11									
6.00-6.45 6.00 6.00-6.50	SPT N=11 D12 B13	6.00	DRY	1,2/2,3,2,4						
7.10-7.55 7.10 7.10-7.60	SPT N=11 D14 B15	6.00	DRY	9,5/2,3,3,3						
8.10-8.55	U16			40 blows						
8.60	D17					(17.65)				
9.60-10.05 9.60 9.60-10.10	SPT N=17 D18 B19	6.00	DRY	2,2/4,5,4,4						
<b>Remarks</b>							<b>Scale (approx)</b> 1:50	<b>Logged By</b> SM		
							<b>Figure No.</b>			



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		Location 445303 E 363150 N		Dates 08/11/2006-09/11/2006		Engineer Arup		Sheet 2/2		
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
11.10-11.55	U20			37 blows			MADE GROUND (as previous sheet)			
11.60	D21									
12.60-13.05 12.60 12.60-13.10 12.90 13.00	SPT N=21 D22 B23 W29 W26	6.00	DRY	3,4/4,5,5,7						
14.10-14.55 14.60	U24 D25			Water strike(1) at 14.10m, no rise after 20 mins. 91 blows		(17.65)	At 14.10m; soft.			
15.60-16.05 15.60 15.60-16.10	SPT N=21 D27 B28	6.00	13.50	3,4/4,6,5,6						
17.60 17.10-17.55 17.80-17.88	D31 U30 SPT 25'/40 50/40	6.00	14.10	08/11/2006:13.50m 08/11/2006: 08/11/2006:	109.90 109.70	17.80 (0.20) 18.00	At 17.60m; grey clay with rare sand and rare gravel. Recovered as weak grey green subangular fine to coarse gravel sized fragments of MUDSTONE.			
17.80 17.80-18.00 18.00-18.06 18.00	D32 B33 SPT 25'/30 50/30 D34	6.00	13.90	09/11/2006: 79 blows 25/50 09/11/2006:13.90m 09/11/2006: 25/50 09/11/2006:12.90m			Complete at 18.06m			
Remarks								Scale (approx) 1:50	Logged By SM	
								Figure No.		