






British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL						Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI - CONTRACT 2		Borehole Number CP1227	
Boring Method Cable Percussion		Casing Diameter 150mm cased to 6.00m		Ground Level (mOD) 98.75		Client Highways Agency		Job Number WAL060099	
		Location 445417 E 367734 N		Dates 17/11/2006-20/11/2006		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
0.50	B101			Groundwater was not apparent during boring(1) at 0.00m.	98.25	(0.50) 0.50	MADE GROUND. Loose dark yellow brown clayey very gravelly sand. Gravel is angular to subangular fine to coarse of sandstone and mudstone.		√1
1.20	B102				97.55	(0.70) 1.20	MADE GROUND. Firm dark brown very sandy very gravelly clay. Gravel is angular fine to coarse of sandstone.		
1.50-1.95	U1			40 blows			MADE GROUND. Soft to stiff mottled grey, black and brown slightly gravelly clay. Gravel is subangular to subrounded, fine to coarse of mudstone, sandstone, ironstone and coal.		
2.00	D2								
2.50-2.95 2.50 2.50-3.00	SPT N=17 D3 B4	1.50	DRY	3,3/4,4,5,4			From 2.50m; with occasional subangular cobbles of sandstone.		
3.50-4.00	U5			100 blows		(5.30)			
4.50-4.95 4.50 4.50-5.00	SPT N=28 D6 B7	1.50	DRY	5,7/8,7,6,7					
5.50-5.95	U8			70 blows					
6.00	D9			17/11/2006:DRY					
6.50 6.50-7.00 6.50-6.95	D10 B11 SPT N=27	6.00	DRY	17/11/2006: 17/11/2006: 20/11/2006: 4,5/6,7,7,7	92.25	6.50	Possible MADE GROUND. Firm and stiff slightly friable brown, slightly sandy slightly gravelly (locally gravelly) clay. Gravel is subangular to subrounded, fine to medium of mudstone. Sand is fine. Possible		
7.50-7.95	U12			70 blows					
8.00	D13						From 8.00m; grey and light brown.		
9.00-9.45 9.00 9.00-9.50	SPT N=27 D14 B15	6.00	DRY	3,5/7,6,7,7		(4.60)	From 9.00m; brown with occasional grey mottling		
Remarks								Scale (approx) 1:50	Logged By OP
								Figure No.	



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<b>Boring Method</b> Cable Percussion		<b>Casing Diameter</b> 150mm cased to 6.00m		<b>Ground Level (mOD)</b> 98.75		<b>Client</b> Highways Agency		<b>Job Number</b> WAL060099		
		<b>Location</b> 445417 E 367734 N		<b>Dates</b> 17/11/2006- 20/11/2006		<b>Engineer</b> Arup		<b>Sheet</b> 2/2		
<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>	
10.50-10.95	U16			90 blows		(4.60)	CLAY (as previous sheet)			
11.00 11.10-11.16	D17 SPT 25'/30 50/30	6.00	DRY	25/50	87.65	11.10 (0.40)	SILTSTONE. Recovered as grey slightly clayey slightly sandy subangular fine to coarse gravel of siltstone.			
11.10 11.10-11.50 11.50	D18 B19 D20			20/11/2006:DRY	87.25	11.50				
11.50-11.51	SPT 25'/5 50/7	6.00	DRY	20/11/2006: 25/50 20/11/2006:DRY			Complete at 11.51m			
<b>Remarks</b>							<b>Scale (approx)</b> 1:50	<b>Logged By</b> OP	<b>Figure No.</b>	