
 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL						Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI- CONTRACT 2			Borehole Number RC1285	
Machine: Flush : Core Dia: mm Method :		Casing Diameter 140mm cased to 8.90m		Ground Level (mOD) 138.30		Client Highways Agency			Job Number WAL060099	
		Location 445206 E 363319 N		Dates 09/11/2006		Engineer Arup			Sheet 1/2	
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00	PIT		0	0	Groundwater was not apparent during boring(1) at 0.00m.			Inspection Pit.		▽1
	O/H		0	0			(1.20)			
1.20						137.10	1.20	Open Hole. For likely material description, see cable percussion log for CP1285.		
	20	0	0	0		(6.80)				
8.00						130.30	8.00	Poor recovery. MADE GROUND. Recovered as yellow brown subrounded coarse gravel and cobbles of fine and medium grained sandstone.		
	90	80	40	0		(1.45)				
9.25-9.40					25/50 SPT 25'/74 50/71			Very weak to weak laminated to thinly bedded grey MUDSTONE with occasional bands and fragments of strong brown ironstone and carbonised plant remains. Fractures are subhorizontal, very closely to medium spaced, generally		
9.25			0	0			128.85		9.45	
9.45										
Remarks								Scale (approx) 1:50	Logged By SM	
								Figure No.		



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Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
10.60 10.75	67	37	20	0	P1			tight, planar and smooth. At 9.50m; with subrounded fine to coarse gravel of coal. MUDSTONE (as previous sheet)			
12.10 12.25	67	67	52	0	P2			Between 11.00m and 11.25m; non-intact.			
13.75 13.75	100	87	40	0	P3		(6.55)	Between 12.30m and 12.50m; band of moderately strong black coal.			
14.75	100	87	67	0	P4						
15.25			0	0				At 15.10m; 20mm band of black carbonaceous mudstone.			
16.00	100	90	47	0	P5	122.30	16.00	Between 16.00m and 16.25m; moderately strong MUDSTONE. Moderately weak thinly to thickly laminated grey MUDSTONE with occasional thin and medium beds of moderately strong laminated grey siltstone with orange discolouration throughout. Fractures are subhorizontal to 30 degrees and subvertical, very closely to closely spaced, generally open, planar, rough and with iron staining penetrating up to 5mm.			
16.55 16.75	93	90	47	0			(2.15)				
18.25			0	0		120.15	18.15	Moderately strong thinly to thickly laminated light and dark grey SILTSTONE. Fractures are subhorizontal, closely to medium spaced, generally tight, planar and rough. 60 degrees fractures are very closely to closely spaced, tight, planar and rough.	xxxxxx		
18.60							(1.60)	At 18.85m; pyrite nodules up to 7mm thick.	xxxxxx		
19.20-19.55					U6			Between 19.40m and 19.50m; vertical vein of pyrite up to 2mm thick.	xxxxxx		
09/11/2006:11.17m						118.55	19.75	Complete at 19.75m			
Remarks								Scale (approx) 1:50	Logged By SM		
								Figure No.			