

[illegible]

British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL						Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI - CONTRACT 2		Borehole Number RC1226			
Machine:			Casing Diameter			Ground Level (mOD)		Client		Job Number	
Flush :			140mm cased to 6.00m			107.35		Highways Agency		WAL060099	
Core Dia: mm			Location			Dates		Engineer		Sheet	
Method :			445434 E 367296 N			04/12/2006-05/12/2006		Arup		2/2	
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
								brown clay.	XXXXXXXXXX		
							(1.65)		XXXXXXXXXX		
10.50					/39.50				XXXXXXXXXX		
10.55			0	0	04/12/2006:	96.80	10.55		XXXXXXXXXX		
10.50-10.59					04/12/2006:			Moderately weak to moderately strong light green grey SILTSTONE. With orange brown discolouration on fracture surfaces. Fractures: subhorizontal (5 degrees to 25 degrees), very closely spaced, planar and undulating; subvertical, undulating.	XXXXXXXXXX		
			0	0	SPT 0*/0				XXXXXXXXXX		
					89/91				XXXXXXXXXX		
					04/12/2006:				XXXXXXXXXX		
					05/12/2006:				XXXXXXXXXX		
							(1.85)		XXXXXXXXXX		
11.95	100	49	15	8	/30.50				XXXXXXXXXX		
12.00-12.11			0	0	SPT 0*/0			Between 11.95m and 12.18m; non-intact.	XXXXXXXXXX		
12.00					80/110	94.95	12.40	Between 12.18m and 12.25m; very thin bed very strong brown ironstone.	XXXXXXXXXX		
12.18								Between 12.25m and 13.40m; grading to mudstone.	XXXXXXXXXX		
12.65			0	0	P4			Generally moderately weak to moderately strong (variably weak) grey and dark grey thinly colour laminated SILTSTONE with widely spaced medium beds of strong light grey fine grained sandstone with frequent thin black laminae. Fractures: subhorizontal, very closely to medium spaced, Between 13.40m and 13.50m; sandstone. planar and undulating; subvertical (60 degrees to 70 degrees); planar. Between 13.60m and 13.85m; non-intact. Between 13.85m and 14.20m; assumed zone of core loss.	XXXXXXXXXX		
13.10			0	0	P5				XXXXXXXXXX		
13.20	78	38	18	0	/50				XXXXXXXXXX		
13.40			0	0	SPT 0*/0				XXXXXXXXXX		
13.50			0	0	50/0				XXXXXXXXXX		
13.50-13.50									XXXXXXXXXX		
13.60									XXXXXXXXXX		
13.85									XXXXXXXXXX		
14.35	89	61	41	0	P6		(3.80)		XXXXXXXXXX		
								At 14.65m; very thin bed of strong brown ironstone.	XXXXXXXXXX		
15.00					/47.50				XXXXXXXXXX		
15.00-15.08					SPT 0*/0				XXXXXXXXXX		
15.40-15.65			0	0	97/84			Between 15.35m and 15.70m; sandstone.	XXXXXXXXXX		
					U7				XXXXXXXXXX		
16.20	97	36	9	0		91.15	16.20	Weak to moderately weak dark grey MUDSTONE, with occasional black carbonised fossil plant remains. Fractures: horizontal, extremely closely to closely spaced, smooth, planar; frequent others irregular, apparently random strike.	XXXXXXXXXX		
16.50					/39.50		(0.85)		XXXXXXXXXX		
16.50-16.59			0	0	SPT 0*/0				XXXXXXXXXX		
16.50					89/94				XXXXXXXXXX		
17.05					P8	90.30	17.05	Generally moderately weak to moderately strong (variably weak) grey and dark grey thinly colour laminated SILTSTONE. Fractures: subhorizontal, very closely to closely spaced, smooth, planar; subvertical, apparently medium spaced, planar, occasional others irregular.	XXXXXXXXXX		
	99	47	15	0					XXXXXXXXXX		
18.00					/50		(2.45)	At 18.10m; frequent pyrite mineralisation on subvertical fracture.	XXXXXXXXXX		
18.00-18.00					SPT 0*/0				XXXXXXXXXX		
18.40					50/0			Between 18.55m and 18.75m; moderately strong fine grained sandstone.	XXXXXXXXXX		
					P9				XXXXXXXXXX		
19.15					P10				XXXXXXXXXX		
					05/12/2006:	87.85	19.50		XXXXXXXXXX		
					05/12/2006:			Complete at 19.50m	XXXXXXXXXX		
Remarks									Scale (approx)	Logged By	
									1:50	TL	
									Figure No.		