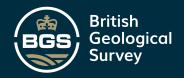


British Geological Survey								Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI- CONTRACT 2		Borehole Number RC1210	
Machine: Casing Diamete				Ground Level (mOD) sed to 1.20m 154,30		Level (mOD)			Job Number WAL060099		
Flush : 140mm ca			154.30								
Core Dia: mm				n	Dates			Engineer		Sheet	
Method:			445019 E 361941 N			06/11/2006- 07/11/2006		Arup		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.		501	Inspection Pit.		∇_1	
	0	0	0	0	g (1)		(1.20)				
							<u>-</u>				
.20						153.10	1.20	No recovery.			
	100	0	0	0	1.1/2.2.2.2		(0.80)				
2.00-2.45 2.00				61	SPTN=8	152.30	2.00	Firm mottled light brown and light grey slightly gravelly CLAY. Gravel is angular to subangular, fine to coarse of	_	-	
	33	0	0	0			(1.00)	mudstone and ironstone.		-	
3.00-3.45 3.00					1/1,2,2,3 SPT N=8	151.30	3.00	Decrees the Decree of a few well all intelligence and		-	
1.00							<u> </u>	Poor recovery. Recovered as firm mottled light brown and light grey slightly gravelly CLAY. Gravel is angular to subangular, fine to coarse of mudstone and ironstone.		-	
	67	0	0	0			-			-	
					4.570.40.44		(2.00)				
4.50-4.95 4.50			0	0	4,5/8,8,10,11 SPT N=37					-	
5.00			0			149.30	5.00	Stiff clay to very weak grey MUDSTONE. Discontinuities:			
								extremely closely spaced randomly orientated microfracture with much black and orange staining.	s		
3.00-6.45	93	50	9	0	1,4/4,10,8,10 SPT N=32		(1.26)				
5.00 5.00 5.26			0	0) OFT N=32	148.04	6.26	IV AND POTOVE DI 10 VI			
			(0)				<u></u>	Very weak to weak grey MUDSTONE. Discontinuities: extremely closely to closely spaced, horizontal and subhorizontal, rough and smooth, with orange and black discolouration and occasional clay infill <1mm thick.			
.30	98	67	0	0	D1		<u> </u>	Vertical, rough, occasionally stepped, with some orange and black discolouration.			
7.50-7.68 7.50					P1 25/35,15 SPT 25*/75 50/108		E				
							(3.39)				
	47	18	0	0							
					25/26 14						
9.00-9.17 9.00 9.00					25/36,14 SPT 25*/75 50/93 P2			From 9.00m; slightly micaceous.			
			0	0	12						
9.65						144.65	9.65	Assumed zone of core loss.			
Remarks			,		•	1	1	Scale (approx	Logge	ed	
								1:50	OP/T	L	
								Figure	No.		



British Geological Survey								Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI- CONTRACT 2	Borehole Number RC1210		
Machine: Flush : Core Dia: mm Method :			Casing Diameter 140mm cased to 1.20m Location 445019 E 361941 N			Ground Level (mOD) 154.30 Dates 06/11/2006- 07/11/2006				Job Number WAL06009	
								Engineer Arup	Sheet 2/2		
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
(9)	65	45	35	0	05/50						
0.50			0	0	25/50 06/11/2006:DRY 06/11/2006: SPT 25*/75	-	(1.35)				
1.00			0	0	SPT 25*/75 50/48 06/11/2006:	143.30 143.10	⊢ (0.20)	Recovered non-intact as angular, fine to coarse gravel of carbonaceous MUDSTONE and COAL.			
1.20	94	53	33	0	07/11/2006: P3	_	- 11.20	Moderately weak dark grey MUDSTONE with frequent carbonised fossil plant remains. Fractures: subhorizontal, closely spaced, frequently irregular.			
2.00			0	0			(1.70)	Between 12.00m and 12.10m; non-intact, subangular to subrounded, medium to coarse gravel of ironstone.			
							<u> </u>				
2.70 3.15-13.40	67	43	41	0	U4	141.40	12.90	Moderately strong to strong light and dark grey thinly colour laminated micaceous SILTSTONE. Fractures: horizontal, medium spaced, smooth, planar.	****** ****** ****** ******		
3.50 3.65-13.85			0	0	U5		(1.60)		X X X X X X X X X X X X X X X X X X X		
1.15			0	0				Between 14.15m and 14.50m; non-intact.	******* ****** ******		
4.50			0	0		139.80	7	No recovery.	******	2	
					07/11/2006:DRY	139.30	(0.50)	Complete at 15.00m			
Remarks				35)				Scale (approx 1:50 Figure	OP/T		