

British Geological Survey								Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI- CONTRACT 2		Borehole Number RC1222	
Machine: Flush : Core Dia: mm Method :				Diamete	r ed to 3.00m	Ground Level (mOD) 119.05		Client Highways Agency	Job Number WAL0600994		
			Location 445236 E 365986 N			Dates 08/09/2006		Engineer Arup	Sheet 1/2		
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.00	78	58	0 18	0	Borehole was wet at 13.50m(1) at 0.00m.	118.75	(0.30)	TOPSOIL. Very weak brown fine grained SANDSTONE.		∇ 1	
1.20 1.40 1.85 1.80			0 0	0	P1	117.85 117.65 117.25	(0.20) 1.40 (0.40)	No recovery. Recovered non-intact as angular and subangular coarse gravel and cobble sized fragments of weak brown fine grained SANDSTONE. Weak and moderately weak light grey brown weathered fine			
2.48	88	82	24	0	P2			grained SANDSTONE with frequent very thin black wispy laminae. Weathering: Occasional orange brown and dark brown discolouration. Fractures are horizontal (0 to 15 degrees) closely and medium spaced, planar and stepped, tight to open, and occasionally subvertical and irregular. Between 1.70m and 2.00m; non-intact due to vertical fracture convergence.			
3.00 3.33-3.55 3.25			0	0	С3		(2.80)	Between 3.40m and 4.10m; light grey brown and black thinly colour-laminated and cross-laminated.			
4.60						114.45	4.60	Very weak grey brown becoming brown grey thinly to thickly laminated weathered SILTSTONE with rare rounded coarse gravel size ironstone nodules.	******* ****** ******		
5.65 5.50	100	92	0	0	P4	113.35	(1.10)	Between 5.30m and 5.70m; non-intact.	* * * * * * * * * * * * * * * * * * *		
5.70			0	0				Very weak grey thinly to thickly laminated weathered MUDSTONE (variably recovered in closely spaced thin to medium spaced beds as firm to stiff friable gravelly clay). Fractures: extremely closely to very closely spaced and irregular.			
7.40 7.50 7.80			0	0	P5			Between 7.50m and 7.67m; very weak black thinly laminated carbonaceous mudstone. Between 7.67m and 7.80m; very weak brittle black coal. Between 7.80m and 10.00m; variably grading to			
8.50	100	100	0	0			(4.80)	siltstone.			
Damarka			0	0			- - - - - - - - - - - - - - - - - - -				
Remarks								Scale (approx) 1:50 Figure	TL		



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			Locatio		365986 N					Sheet 2/2	
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
10.10 10.50 10.90 11.50 12.50	96	96	0 0 0	0 0	P6 P7 P8 P9 08/09/2006: 08/09/2006:	108.55 108.15 107.55 105.45	(0.40) 10.90 (0.60) 11.50 (2.10) 13.60	Very weak grey brown and brown thinly laminated weathered fine to grained SANDSTONE. Weathering: frequent brown and orange brown discolouration. Fractures: vertical to horizontal, extremely closely spaced and irregular. Weak brittle black COAL. Fractures are horizontal, extremely closely to very closely spaced, stepped; 1.No vertical stepped/irregular. Very weak dark grey MIUDSTONE with frequent black carbonised plant remains (up to 5mmx15mm). Fractures: generally subvertical, extremely closely to very closely spaced, irregular and incipient. Between 12.50m and 12.60m; thin bed of very weak black carbonaceous mudstone. Thinly interlaminated with black brittle coal. Generally very weak to weak (locally moderately strong) grey occasionally colour-laminated dark grey SILTSTONE. Fractures: horizontal (5 to 20 degrees) very closely and closely spaced, smooth, planar, moderately open, subvertical (60 to 70 degrees) smooth and planar. Between 13.70m and 13.85m; moderately strong grey and dark grey thinly colour laminated. Between 14.50m and 15.00m; non-intact.			
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Remarks		I	B	36)			ı -	Scale (approx) 1:50 Figure N	Logge By TL	d	