




British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL						Site Nottinghamshire/ Derbyshire COA NMCS2 Upgrade		Borehole Number M25			
Machine: Flush : Core Dia: mm Method :			Casing Diameter			Ground Level (mOD) 176.31		Client Highways Agency		Job Number F11451	
			Location 444841.77 E 361048.04 N			Dates 20/09/1999- 23/09/1999		Engineer WSP Environmental Ltd		Sheet 1/2	
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.35-0.65 0.65-0.70 0.70	33	0	0	98	D01 0 blows	175.96	(0.35) 0.35 (0.30)	TOPSOIL.			
					D02 0 blows	175.66	0.65	MADE GROUND: Grey slightly sandy medium and coarse angular gravel sized fragments of limestone.			
1.90 1.90-2.35 2.05 2.20	0	0	0	98	8,10/10,15,18,22 SPT N=65			MADE GROUND: Brown and grey sandy clay with some to much fine to coarse angular to subrounded gravel sized fragments of sandstone, limestone, mudstone and quartz.			
					20/09/1999:0.00m						
3.20-3.36 3.28 3.50	0	0	0	98	21/09/1999:						
					20,0/50,0,0,0 SPT 50/10		(5.35)				
4.00-4.09 4.09	29	0	0	98	25,0/50,0,0,0 SPT 25*/75 50/16						
					21/09/1999:0.00m						
4.60 5.00	24	0	0	98	21/09/1999:0.00m						
					21/09/1999: 21/09/1999:0.00m						
6.00 7.20	60	0	0	98	22/09/1999:						
6.00 7.20	26	0	0	98		170.31	6.00 (1.53)	MADE GROUND: Grey fine grained slightly weathered sandstone boulder, moderately strong and strong.			
7.20 8.70	0	0	0	98		168.78	7.53 (2.67)	MADE GROUND: Grey mottled orange and brown slightly sandy clay with some fine to coarse angular to subrounded gravel sized fragments of sandstone, quartz, mudstone, coal and brick.			
8.70 9.70	100	0	0	98							
9.70	90	20	0	25							
Remarks 1. Inspection pit excavated to 0.70m. 2. Borehole complete at 17.50m. 3. 50mm diameter standpipe installed at 17.50m. 4. Marker Post Ref 222/6 N.								Scale (approx) 1:50	Logged By NBR	Figure No.	



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Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.20			0	99		166.11	10.20	Grey and orange mottled thinly laminated subhorizontal highly weathered SILTSTONE, very weak, locally weak. (Coal Measures) ---from 10.25m becomes moderately weathered weak and moderately weak with much iron staining non intact		
10.45	87	14	0	99						
11.20	100	36	0	99	25,28/50,0,0,0 22/09/1999:0.00m		(2.95)			
12.16					22/09/1999: SPT 50/16 22/09/1999:0.00m					
12.00-12.17	100	32	0	99	23/09/1999:					
13.50-13.59					25,0/50,0,0,0 SPT 25*/75 50/18	163.16	13.15	Grey thinly laminated subhorizontal moderately to slightly weathered MUDSTONE, weak and moderately weak with very closely spaced subhorizontal fractures open smooth planar clay smeared. (Coal Measures) ---from 13.15m to 15.00m non intact		
13.59	100	85	16	15			(1.75)			
15.00-15.16					20,39/50,0,0,0 SPT 50/10	161.41	14.90	Grey thinly laminated and very thinly bedded subhorizontal slightly weathered SILTSTONE weak to moderately weak with very closely and closely spaced subhorizontal fractures open smooth planar and medium spaced inclined fractures open smooth planar. (Coal Measures)  ---from 16.50m to 17.22m non intact		
15.16			0	4						
16.00	57	31	13	99	50,0/0,0,0,0 SPT 50*/21		(2.60)			
16.50-16.52			0	4						
16.52										
17.22			0	99	23/09/1999:0.00m	158.81	17.50	Complete at 17.50m		
17.40					23/09/1999:					
Remarks								Scale (approx) 1:50	Logged By NBR	
								Figure No.		