
 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL						Site Nottinghamshire/ Derbyshire COA NMCS2 Upgrade			Borehole Number M26	
Machine: Flush : Core Dia: mm Method :		Casing Diameter		Ground Level (mOD) 152.12		Client Highways Agency		Job Number F11451		
		Location 445046.48 E 362049.95 N		Dates 07/09/1999		Engineer WSP Environmental Ltd		Sheet 1/2		
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50					D01 0 blows	151.92	(0.20) 0.20	TOPSOIL.		
0.50-0.80	23	0	0	98	D02 0 blows			MADE GROUND: Dark brown mottled grey very sandy clay with some fine to coarse angular to rounded gravel sized fragments of siltstone, coal, sandstone, mudstone and quartz.		
0.80-0.90					D03 0 blows					
0.90							(2.20)			
2.00-2.35					1,2/8,22,20,0 SPT 50/200					
2.35						149.72	2.40	MADE GROUND: Light brown clayey sandy fine to coarse angular gravel sized fragments of sandstone.		
	18	0	0	98	6,8/10,11,11,18 07/09/1999:0.00m	149.32	(0.40)	MADE GROUND: Brown mottled orange very sandy clay with some to much fine to coarse angular to rounded gravel sized fragments of sandstone, mudstone, siltstone, coal and quartz.		
2.80-3.25					08/09/1999: SPT N=50					
3.25										
3.80-4.25	100	0	0	98	1,3/4,5,8,12 SPT N=29		(1.80)			
4.25										
4.60-5.05	100	0	0	98	2,4/5,10,11,12 SPT N=38	147.52	4.60	MADE GROUND: Orange and grey mottled slightly sandy clay with occasional root and rootlet traces with grey gleying and occasional fine and medium subangular and angular gravel sized fragments of mudstone and quartz.		
5.05										
5.60-6.05	100	0	0	98	2,4/4,5,10,12 SPT N=31					
6.05							(3.05)	--from 5.73m to 5.98m black with much fine angular gravel sized fragments of coal		
6.60-7.05	100	0	0	98	3,6/10,11,10,14 SPT N=45			--from 6.60m with some to much gravel		
7.05										
7.60-7.90	100	0	0	98	7,9/12,38,0,0 SPT 50/150	144.47	7.65	--from 7.45m to 7.65m brown very clayey fine to coarse angular gravel sized fragments of mudstone and sandstone		
7.90							(1.30)	Stiff grey mottled orange sandy CLAY with much fine to coarse angular mudstone lithorelicts. (Completely Weathered Mudstone) (Coal Measures)		
8.95										
9.10						143.17	8.95	Grey thinly laminated subhorizontal, very thinly bedded subhorizontal moderately weathered MUDSTONE, weak with very closely and closely spaced subhorizontal fractures open smooth planar. (Coal Measures) --from 9.10m to 11.30m becomes highly weathered very weak with extremely closely spaced and very closely spaced random fractures open and tight smooth irregular with clay smearing		
	100	18	0	25						
Remarks 1. Inspection pit excavated to 0.90m. 2. Borehole complete at 14.10m. 3. Borehole backfilled with grout. 4. Marker Post Ref 223/6 +20N.						Scale (approx) 1:50		Logged By NBR		
						Figure No.				

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Job Number F11451		Sheet 2/2							
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend
10.30			0	4					
11.30			0	99					
11.50			0	7					
11.60	95	65	47	0					
11.80			0	25					
12.00			0	7					
12.10			0	25					
12.80			0	11					
12.90	98	62	40	0					
13.10			0	25					
13.45			0	4					
13.60									
08/09/1999: 11.85m 08/09/1999:						138.02	14.10	Complete at 14.10m	
Remarks									
								Scale (approx) 1:50	Logged By NBR
Figure No.									