



Rust Environmental						Project		Amber Park, South Normanton		Borehole		104R (Sheet 1 of 2)			
Contractor						Hydracrat Water		Client		Wilson Bowden Homes		Project No.		EGMLS283	
Elevation						137.90mOD		Co-ordinates		2081.99mE 4120.47mN		Logged By		JG GAB	
Run (Flush) %	TCR %	SCR %	RQD %	MAX MIN CL	F.I.	Description	Depth	Legend	Level O.D.						
3.10						Orange clay	0.00		137.90						
						Grey MUDSTONE	2.20		135.70						
						Black lightly fractured COAL	3.10		134.80						
						Grey, with orange weathered surfaces, thinly laminated becoming thickly laminated at 3.85m, MUDSTONE, very weak	3.30		134.60						
						Orange, occasionally grey, thickly laminated MUDSTONE, weak to moderately weak. Orange ironstaining on extremely closely spaced vertical fractures	4.25		133.65						
						Grey very thinly bedded MUDSTONE, weak to moderately weak	4.30		133.60						
						Grey thinly bedded very closely spaced fractured MUDSTONE, moderately weak. Up to 5mm of orange and brown weathered zones on weathered surfaces	4.95		132.95						
						Brown and grey very thinly bedded MUDSTONE, weak to moderately weak. Thin siltstone laminae	5.35		132.55						
						Grey MUDSTONE	6.00		131.90						
						Black MUDSTONE with layers of coal	7.30		130.60						
Grey MUDSTONE	7.50		130.40												
Yellow SANDSTONE	9.10		128.80												

Drilling Data						Progress/Groundwater Behaviour							
Depth	Method	Bit Type	Hole Dia.	Core Dia.	Casing		Date/Time	Hole Depth	Casing Depth	Water Depth	Depth Struck	Depth Sealed	
					Depth	Size							
0.00-3.10	Rotary Open Hole	Tricone Bit	120mm	75mm	1.50	140mm	28.08.96	20.00	1.50	DRY	-	-	
3.10-6.00	Rotary Core	Tungsten Bit	120mm										
6.00-20.00	Rotary Open Hole	Tricone Bit	120mm										

Remarks

Symbols and abbreviations are explained on the accompanying key. All linear dimensions are in metres unless otherwise stated.



Rust Environmental						Project	Amber Park, South Normanton		Borehole		104R (Sheet 2 of 2)					
Contractor						Hydracrat Water		Client		Wilson Bowden Homes		Project No.		EGMLS283		
Elevation						137.90mOD		Co-ordinates		2081.99mE 4120.47mN		Logged By		JG		
						Checked By		Ged								
Run (Flush) %	TCR %	SCR %	RQD %	MAX MIN CL	F.I.	Description	Depth	Legend	Level O.D.							
						Yellow SANDSTONE										
						Grey MUDSTONE with occasional siltstone	13.40		124.50							
						Dark grey MUDSTONE	17.80		120.10							
						Grey MUDSTONE	19.10		118.10							
						Base of Borehole	20.00		117.90							
Drilling Data						Progress/Groundwater Behaviour										
Depth	Method	Bit Type	Hole Dia.	Core Dia.	Casing		Date/Time	Hole Depth	Casing Depth	Water Depth	Depth Struck	Depth Sealed				
					Depth	Size										
0.00-3.10	Rotary Open Hole	Tricone Bit	120mm	75mm	1.50	140mm	28.08.96	20.00	1.50	DRY	-	-				
3.10-6.00	Rotary Core	Tungsten Bit	120mm													
6.00-20.00	Rotary Open Hole	Tricone Bit	120mm													
Remarks																

Symbol and abbreviations are explained on the accompanying key. All linear dimensions are in metres unless otherwise stated.

Ref:RRHLS95.1

Rust Environmental												Project				Amber Park, South Normanton				Borehole				104R							
Contractor												Hydracrat Water				Client				Wilson Bowden Properties				Project No.				EGMLS283			
Elevation												137.90mOD				Co-ordinates				2081.99mE 4120.47mN				Logged By				JG			
																								Checked By				Ged			
PENETRATION RATE (secs)												LITHOLOGY																			
Depth		Total Time	BAR CHART										Depth		Description		Legend	Level O.D.													
			10	20	30	40	50	60	70	80	90	100																			
0.00		NR											0.00		Orange and yellow clay			137.90													
0.50		NR																													
1.00		NR																													
1.50		NR																													
2.00		NR											2.20		Grey MUDSTONE			135.70													
2.50		NR											3.10		COAL			134.80													
3.00		NR											3.30		Grey MUDSTONE			134.60													
3.50		NR																													
4.00		NR																													
4.50		NR																													
5.00		NR																													
5.50		NR																													
6.00		NR																													
6.50		NR																													
7.00		18											7.30		Black MUDSTONE			130.60													
7.50		18											7.50		Grey MUDSTONE			130.40													
8.00		18																													
8.50		15																													
9.00		11											9.10		Yellow SANDSTONE			128.80													
9.50		24																													
10.00		29																													
Drilling Data												Progress/Groundwater Behaviour																			
Depth		Method	Bit Type	Hole Dia.	Casing		Date/Time		Hole Depth	Casing Depth	Water Depth	Depth Struck	Depth Sealed																		
					Depth	Size																									
0.00-3.10		Rotary Open Hole	Tricone Bit	120mm	1.50m	140mm	28.08.96		20.00	1.50	DRY	-	-																		
3.10-6.10		Rotary Core	Tungsten Bit	120mm																											
6.10-20.00		Rotary Open Hole	Tricone Bit	120mm																											
Remarks																															
Slotted 50mm standpipe installed to 20.00m depth with pea gravel response zone to 0.50m depth, bentonite seal to ground level and covered by an upright vandal proof cover.																															
Symbols and abbreviations are explained on the accompanying key.																															



Rust Environmental				Project Amber Park, South Normanton				Borehole 104R (Sheet 2 of 2)							
Contractor Hydracrat Water				Client Wilson Bowden Properties				Project No. EGMLS283							
Elevation 137.90mOD				Co-ordinates 2081.99mE 4120.47mN				Logged By JG Checked By GED							
PENETRATION RATE (secs)												LITHOLOGY			
BAR CHART															
Depth	Total Time	10	20	30	40	50	60	70	80	90	100	Depth	Description	Legend	Level O.D.
10.00	29												Yellow SANDSTONE		
10.50	28														
11.00	68														
11.50	82														
12.00	75														
12.50	63														
13.00	35														
13.50	28												Grey MUDSTONE with occasional siltstone layers		130.46
14.00	23														
14.50	21														
15.00	16														
15.50	24														
16.00	18														
16.50	18														
17.00	24														
17.50	20														
18.00	63												Dark grey MUDSTONE		120.10
18.50	NR														
19.00	40												Grey MUDSTONE		118.10
19.50	28														
20.00	39												Base of Borehole		123.86
Drilling Data												Progress/Groundwater Behaviour			
Depth	Method	Bit Type	Hole Dia.	Casing		Date/Time	Hole Depth	Casing Depth	Water Depth	Depth Struck	Depth Sealed				
				Depth	Size										
6.10-20.00	Rotary Open Hole	Tricone Bit	120mm	1.50m	140mm	28.08.96	20.00	1.50	DRY	-	-				
Remarks NR - denotes not recorded															
Symbols and abbreviations are explained on the accompanying key. All linear dimensions are in metres unless otherwise stated.												BGS Form 1155.2			

Rust Environmental

Project Amber Park
South Normanton

Data Sheet

FIGURE A-1

TRIAL PIT AND BOREHOLE LOCATION PLAN

