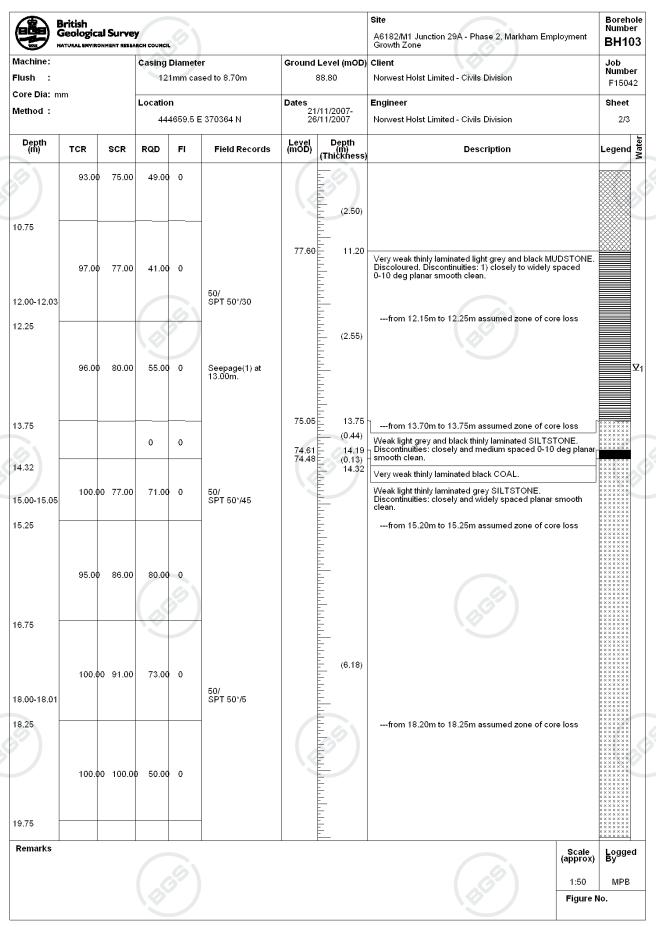


	British Geological Surve atural environment rese	-	5		Site A6182/M1 Junction 29A - Phase 2, Markham Employment Growth Zone				
Boring Method Cable Percussion		Casing Diameter 121mm cased to 8.70m Location 444659.5 E 370364 N			Ground Level (mOD) 88.80 Dates 21/11/2007- 26/11/2007		Client Norwest Holst Limited - Civils Division Engineer Norwest Holst Limited - Civils Division	Job Number F15042 Sheet	
51					88.70	(0.10) - 0.10	TOPSOIL.		
.70	D001				88.45 88.10	(0.25) 0.35 (0.35) 0.70	MADE GROUND: Brown and dark grey slightly sandy slightly gravelly clay with occasional cobbles. Sand sized fragments are fine to coarse. Gravel sized fragments are subangular to subrounded fine to coarse of limestone, siltstone and mudstone. Cobble sized fragments are subangular of brick.		
70-1.20 20-1.65	B002 U003			50 blows		-	MADE GROUND: Yellow fine to coarse sand sized fragments and subangular fine to coarse gravel sized fragments of limestone. With low cobble content. Cobble sized fragments are subangular of limestone.		
.70	D004						MADE GROUND: Grey and brown locally mottled brown slightly sandy slightly gravelly clay with low cobble content.		
2.00 2.20-2.65 2.20-2.65 2.20-2.65	D005 B007 SPT N=7 D006	1.50		1,2/1,3,2,1			Sand sized fragments are fine to coarse. Gravel sized		
.20-3.65	D008			70 blows		(5.30)			
.70 .00 .20-4.65 .20-4.65	D010 D011 B013 SPT N=16	3.00	0	3,4/3,4,4,5					
.20-4.65	D012 100.00 73.00	73.00			(8				
.00 .20-5.65	D014 U015			60 blows					
.70	D016			21/11/2007:		-			
.00	D017			22/11/2007:	82.80	6.00	MADE GROUND: Thinly laminated grey and brown locally black and locally grey mottled brown slightly sandy slightly		
i.50-6.95 i.50-6.95 i.50-6.95	B019 SPT N=16 D018	3.00		2,3/4,3,4,5			gravelly clay. Sand sized fragments are fine to coarse. Gravel sized fragments are subangular fine to coarse of mudstone, siltstone, sandstone and locally of ironstone.		
.50	D020					(2.70)			
.00-8.45	U021			82 blows		- - -			
.60-8.70 .50 .60-8.68	D022	RQD	FI	D023 25/50 SPT 25*/40					
.70	100.00 100.0			50/40 22/11/2007: 22/11/2007:	80.10	8.70	MADE GROUND: Light grey concrete 50-60% aggregate angular to subangular fine to coarse of limestone and flint 0% voids.		
.25				22/11/2007: 23/11/2007: 23/11/2007:	_				
				23/11/2007: 23/11/2007:	-	(2.50)			
Remarks Service ins	spection pit hand exc ne from 16.50m to 2	cavated fro	om GL to	1.20m. 2. Cable Pe 0.00m. 4. Rotary Cor	rcussive bo	oring complete	e at 8.70m. 3. 19mm piezometer installed, with Scale (approx)	Logge	
Japonse 201	10 HOIN 10.30III to 2	.v.yymi afi(oruprat∠'	o.som. 4. Notary Col	ang comple	at 20.00M.	1:50	MPB No.	







British Geological Survey NATURAL SHYIRONHENT RESEARCH COUNCIL								Site A6182/M1 Junction 29A - Phase 2, Markham Employment Growth Zone		Borehole Number BH103	
Machine: Casing Diameter Flush : 121mm cased to 8.7 Core Dia: mm Location Method : 444659.5 E 370364				Ground Level (mOD) 88.80 Dates 21/11/2007- 26/11/2007		Client Norwest Holst Limited - Civils Division		er			
			Location 444659.5 E 370364 N			Engineer Norwest Holst Limited - Civils Division	F15042 Sheet 3/3				
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness	Description	Legend	Water	
59)				35)	26/11/2007:19.80m 26/11/2007:	68.30	(6.18)		X X X X X X X X X X X X X X X X X X X	<u> </u>	
5			(di			(4		(BGG)			
55)						(<	danadanan danadan				
Remarks			(8)	36)			<u> </u>	Scale (approx	МРВ		