Some significance of the coarse of the coa	Glover Sit						Blackhall, Punchestown, Co. Kildare		BH01
Sample / Tests Depth (A) Sample / Tests Depth (A) Field Records (A) Field Records (A) (A) Field Records (A) (A) Field Records (A)	ring Method nmetrix Drilling with nmacheo 405				Ground	Level (mOD)			Number 07-108
Constant of the coarse (0.70) Constant of the coarse (0.70) Constant of the coarse (0.70) Coarse & Topsoll (5.10) Graph of the coarse (0.70) Coarse & Topsoll (5.10) Fine to medium brown SAND Fine to medium brown SAND Coarse . Topsoll of the coarse of the coa		Location	1		Dates 17	7/12/2007			Sheet
Fine to medium brown SAND Fine to medium brown SAND Fine to medium brown SAND (5.10) Fine to medium brown SAND Fine to mediu	Depth (m) Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	ı	Legend
- 1985년 1일 : 1985년 1일 - 1985년 1일 : 1985년 1일	narks		die .	Consent	For inspect	(5.10) (5.10) (5.10) (5.10) (5.10) (5.10) (5.10) (5.10) (5.10)	Brown slightly sandy slightly gravelly CLAY. Sand is fine coarse. Gravel is fine to coarse.	arse.	
1:50 JC/HI	dpipe installed.						Sc (app	cale prox)	Logged By
							1:	50	JC/HH

Installa Standp	tion Type		Dimens	ions al Diameter of Tube [A] = 50 eter of Filter Zone = 150 mm	1	no Leval		Client Behan's L	and Res	storation L	_td				Job Numbe 07-108
			Location	n	Ground	Level (n	nOD)	Engineer John Barr	nett & As	sociates					Sheet 1/1
egend	Mater (A)	Level (mOD)	Depth (m)	Description				G	roundwa	ater Strik	es Durin	a Drillin	α		
		-					Denth	T					dings		T
				Bentonite Seal	Date	Time	Depth Struck (m)	Casing Depth (m)	Inflo	w Rate	5 min		15 min	20 min	Depti Seale (m)
			1.50												
								Gre	oundwat	ter Obse	rvations	During D	rilling		
					Date			Start of S					nd of Sh		
						Time	Depth Hole (m)	(m)	Water Depth (m)	(mOD)	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Wate Leve (mOD
				Arising S Fine Grevel Fitter		ion o	itoses of	Instru	let use.						
				Fine Gravel Filter	dost	Dect own		Instru	ment Gr	oundwat	er Obsei	vations			
					THOI COP	Inst	rument	[A]							
				Cotte	Date	Time	Depth (m)					Rema	rks		
. ∇1															
			14.5												
			152	Bentonite											
			1515												
			P	Gravel Filter											
2007 W. S.			19.50												

		T		stigatio			Site Blackhall, Punchestown, Co. Kildare	Nun	ehole nber 103	
Boring Met Symmetrix I Commached	Drilling with		Diamete 0mm cas	sed to 20.50m	Ground	Level (mOD)	Client Behan's Land Restoration Ltd	Job Num		
	- 100	Locatio	'n		Dates 18	3/12/2007	Engineer John Barnett & Associates	She	_	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records		Level (mOD)	Depth (m) (Thickness)	Description	Leger	Water
				Water Strike(1) at 17.70m. Water Strike(2) at 18.30m.	Fotogra		Damp brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium (Possible Made Ground) becoming more gravelly Grey slightly sandy medium to coarse GRAVEL with some cobbles		∑1 ∇2	
			g . 64					0.0		
						19.70 – (0.30) – 20.00 –	Saturated grey medium to coarse SAND			
emarks						20,00	Scale (approx)	Logge	ed	
							1:50	JC/H		
							Figure N	0.	1	

	Casing Depth (m)	Nater Pepth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Engineer John Barnett & Associates Description MADE GROUND: Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium	Sheet 1/3 Legend
Depth Sample / Tests C	Casing V Depth C				(Thickness)	MADE GROUND: Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium	
					2.80	occasional cobbles. Sand is fine to coarse. Gravel is fine to coarse Brown sandy fine to coarse GRAVEL. Sand is fine to coarse	
			Conset	For Air	5.90	MADE GROUND: Dark grey sandy gravelly CLAY with occasional cobbles. Sand is fine to coarse. Gravel is fine to coarse Brown sandy fine to coarse GRAVEL. Sand is fine to coarse Brown sandy fine to coarse GRAVEL. Sand is fine to coarse CLAY / Silt Grey slightly sandy medium to coarse GRAVEL with some cobbles	
		*			(4.10)		
arks pipe installed.				F	10.00 ├	Scale (approx)	Logged By
						1:50	JC/HH

n stall a Stand		Туре		Dimens Interr Diam	ions nal Diameter of Tube [A] = 5 eter of Filter Zone = 150 mr	0 mm			Client Behan's L	and Res	toration l	_td				Job Numbe 07-108
				Locatio	n	Ground	Level (n	nOD)	Engineer John Barr	nett & Ass	sociates					Sheet 1/1
gend	Water	Instr (A)	Level (mOD)	Depth (m)	Description				G	roundwa	iter Strik	es Durin	g Drillin	g		
					Bentonite Seal	Date	Time	Depth Struck	Casing Depth	Inflo	w Rate		Read	dings		Dept Seale
				1.50				17.70 18.30	(m)	Water S	Strike	5 min	10 min	15 min	20 min	(m)
											er Obse	rvations				
						Date	Time	1	Casing Depth (m)		Water Level (mOD)	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD
								170 Ses	ally and	Aller use						
					Acising S Fine Graver Filter		Spection's	Stite Chir	Instru	ment Gr	oundwat	er Obse	vations			
						600	3	: rument								
					C	Onseit Of	Time	Depth (m)	Level (mOD)				Rema	rks		
				16-0	0 1 t											
				17.0	Benlorile											
\ \sqrt{\sq}}\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}					Bentonite Grarel Filter											
					travel tiller											
				20.50												

		r Si		nvestigati	ons	Lt	d	Blackhall,	Punches	stown, Co	. Kildare				Number BH02
tallation Ty andpipe	ype		Dimensi Intern Diame	al Diameter of Tube [A] = 50 eter of Filter Zone = 150 mm	mm			Client Behan's L	and Rest	toration L	.td				Job Number 07-108
			Location	1	Ground	Level (n	nOD)	Engineer John Barn	nett & Ass	sociates					Sheet 1/1
Mater (str A)	Level (mOD)	Depth (m)	Description						-	es Durir	ng Drilling			
	7)	(IIIOD)	(111)			T	Donth	1	- Canama				lings		
				Bentonite Seal	Date	Time	Depth Struck (m)	Casing Depth (m)	Inflo	w Rate	5 min		15 min	20 min	Depti Seale (m)
			1.50				12.60 16.00		Water S						
										er Obse	rvations	During D			
					Date		Depth	Start of S		Water			Casing		Wate
					Inst.	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Wate Leve (mOD
				Fine grayer Filter Arising 5	Inst.	The Petitor (A) Type	trument	Instru [A]	ument Gr	oundwa	ter Obse				
∇1					Date	Time	Depth (m)	Level (mOD)				Rema	arks		
∇ 2			17.0	Bentonite Gravel											
			20.50	Gravel Filter											

Boring Metal Symmetrix E Commached	hod	Casing	Diamete	stigatio	-	Level (mOD)	Blackhall, Punchestown, Co. Kildare Client Behan's Land Restoration Ltd	Job Num	ber
Commached	5 405	Locatio			Dates 17	7/12/2007	Engineer John Barnett & Associates	07-10 Sheet	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legen	Water
		(III)	(m)	Water Strike(1) at 13.00m.	to de consti	(3.00)	Saturated grey brown sandy medium to coarse GRAVEL. Sand is fine to coarse — Dam p Saturated brown fine to coarse SAND Saturated brown fine to coarse SAND		Σ1
		4	No.			19.50			
emarks							Scale (approx)	Logge By	d
							1:50	JC/HF	
							Figure 07 4	No. 081.BH01	

	ver Sit	_		San Carlotte Control of the Control	_		Site Blackhall, Punchestown, Co. Kildare	Bore Num BH	ber
Boring Met Symmetrix I Commache	o 405	1 4 4 4	Diameter Omm case	ed to 20.50m	Ground	Level (mOD)	Client Behan's Land Restoration Ltd	Job Num 07-1	ber 1081
		Locatio	n		Dates 19	9/12/2007	Engineer John Barnett & Associates	Shee 3	et /3
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legen	Water
						(0.50)	Grey slightly sandy medium to coarse GRAVEL with some cobbles	0.0	
							Complete at 20.50m		
							outh, and other like.		
						tion purposes	of for		
					For inst	act owl			
				Conse					
		ą.	. Or						
emarks							Scale (approx)	Logge By	d
							1:50 Figure N	JC/HH	

Sements Deling with Correction Ltd C			1	estigation	ons	Ltd	Site Blackhall, Punchestown, Co. Kildare		Bore Num BH	ber
Depth Sample / Tests Depth (h) Field Records (h)					Ground	Level (mOD)			Job Numl 07-1	
Sample / Tests Grain Grain Field Records Level (mod) Field Records Level (mod) Grain Grain Grain Grain Grain Field Records Level (mod) Grain			Location		Dates 18	3/12/2007			Shee	t
Saturated grey medium to coarse SAND (0.50) Complete at 20.50m	Depth (m)	Sample / Tests	Casing Wa Depth De (m) (i	ater epth Field Records	Level (mOD)	Depth (m) (Thickness)			-	
emarks	(m)	Sample / Tests			to a set of	20.50	Saturated grey medium to coarse SAND Complete at 20.50m		Legend	A Market
Scale Lo (approx) By	emarks					_		Scale (approx)	Logged By	
								1:50	JC/HH	

Glo	ver Sit	e Ir	ive	stigatio	ns	Ltd	Site Blackhall, Punchestown, Co. Kildare	Borehole Number BH03
Boring Metal Symmetrix D Commached	Orilling with		Diamete 0mm cas	r ed to 20.50m	Ground	Level (mOD)	Client Behan's Land Restoration Ltd	Job Number 07-1081
		Locatio	n		Dates 18	3/12/2007	Engineer John Barnett & Associates	Sheet 1/3
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend is
Remarks				Cansent		(6.90)	Moist Demp brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is medium to coarse (Possible Made Ground) Demp brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium (Possible Made Ground) and the same of the s	
Remarks tandpipe insta	alled.						Scale (approx)	Logged By
							1:50	JC/HH
							Figure 07-10	No. 081.BH03

Symmetrix Drilling with Commacheo 405 Location Dates 19/12/2007 Engineer John Barnett & Associates Cosing Water		te Investigatio	Blackhall, Punchestown, Co. Kildare	BH02
Depth (m) Sample / Tests Casing (m) Water Depth (m) Field Records (m) Depth				Job Number 07-1081
Water Strike(1) at 12.60m. Water Strike(1) at 12.60m. Water Strike(1) at 12.60m. Water Strike(1) at 12.60m.		Location	19/12/2007	Sheet 2/3
Water Strike(1) at 12.60m. Water Strike(1) at 12.60m. Total Registration of the grand sharp and the strike of th	Depth (m) Sample / Tests	Casing Depth (m) Field Records	Level (mOD) Depth (m) (Thickness) Description	Legend se
20.00		Water Strike(1) at 12.60m. Contact Water Strike(2) at 16.00m.	Grey slightly sandy medium to coarse GRAVEL with cobbles - minor strike - grarel sta moist - minor strike - grarel sta	Z1 ∇2
emarks	emarks			cale Logged prox) By
Figure No.			Fi	