

REPORT NUMBER

CO OPPINAT		idii ACIIV	e i lavel	- Main Site	RIG TYF)E			Dand- Of		BOREH SHEET	OLE NC	D. BH02 Sheet 1 of 1	
CO-ORDINAT		D)			BOREH	OLE DIAME		nm) :	Dando 20 200 4.50		DATE C		NCED 13/05/2023 ETED 14/05/2023	
CLIENT ENGINEER	Monagh DBFL	an Co.C	o.	1		MMER REF				- 1	BORED PROCES		P.Allan BY F.C	
	DDIL			-8970	LINENG		·)				nples	ם עם פפ	F.C	
Depth (m)		Descr	iption			Legend	Elevation	Depth (m)	Ref. Number	Sample Type		Recovery	Field Test Results	Standpipe
0 TOPSOI	L					71/2 71/2 7		0.30						
Soft brov	wn sandy S	ILT/CLA	Y with oc	casional g	gravel	-XO		0.70	AA197801	В	0.50			
Stiff brow	wn sandy S	ILT/CLA	Y with so	me gravel		XDX X 		0.10	AA197802	В	1.00		N = 6 (1, 0, 1, 1, 2, 2)	
2						X X— ——_X		2.50	AA197803	В	2.00		N = 26 (2, 3, 6, 8, 5, 7)	
Stiff to ve occasion	ery stiff grey al cobbles	y sandy	gravelly (CLAY with					AA197804	В	3.00		N = 50/225 mm (4, 5, 9, 15, 26)	
4 Obstructi						0 0 0 0		4.50	AA197805	В	4.00		N = 50/150 mm (6, 10, 20, 30)	
7														
3													,	y
HARD STRA	TA BORING	S/CHISE	LLING						I			W	/ATER STRIKE DET	AILS
rom (m) To	(m) Tim		nments		Water Strike	Ca	sing S	Sealed At	Rise To		T	Comments		
0.7 4.3 4.	.9 1												No water strike	
								Lla!-	L Oc!	1 -	1	GR	ROUNDWATER PRO	GRES
NSTALLATIO Date Ti	DETAILS		RZ Basel	Тур	e	Date		Hole Depth	Casing Depth	Der	oth to later	Comme	ents	
54.5	p Dopui Tu	_ , 50	Dagg	1,40										
REMARKS C	AT scanned	d locatio	n and ha	nd dug ins	spection	pit was car	B - Bulk D	e Bulk Disturbed	d	UT - Undisturbed 100mm Diarneter Sample P - Undisturbed Piston Sample (Jar + Vial + Tub) W - Water Sample				



REPORT NUMBER

CONTRACT		ctive Travel - Main Sit	_	-					BOREHO SHEET	JLE NU.	Sheet 1 of 1	
CO-ORDINAT GROUND LE	TES VEL (m AOD)			E OLE DIAME OLE DEPTH		nm) 2	Dando 20 200 3.70		DATE CO		CED 12/05/2023	
CLIENT ENGINEER	Monaghan C	o.Co.	2001 2000 (CASONIC	MMER REF				- 1	BORED I		P.Allan Y F.C	
								Sam	ples			-
Depth (m)	De	scription		Legend	Elevation	Depth (m)	Ref. Number	Sample Type	Depth (m)	Recovery	Field Test Results	Standpipe Details
0 TOPSOI	L			44 44		0.30						
Soft to fi	rm brown sandy	SILT/CLAY with occa	asional	- <u>X</u> 0		0.00	AA192934	В	0.50			
1				×			AA192935	В	1.00		N = 7 (1, 2, 1, 2, 2, 2)	
2 Very bro	wn sandy gravel	lly CLAY with occasio	nal			2.30	AA192936	В	2.00		N = 10 (2, 2, 2, 3, 2, 3)	
cobbles	5 8			0 0			AA192937	В	3.00		N = 50 (6, 6, 10, 10, 20, 10)	
Obstruct	ion			<u>× 0 °</u>		3.70	-				N = 50/75 mm (25, 50)	
5 6 7 8												
rom (m) To	TA BORING/CHI	Comments		Water	Cas	sing S	Sealed	Rise	e Tii		ATER STRIKE DETA	AILS
2.7 3.5 3.5	.9 1	Somments	Strike	De	pth	At	То	(m	1111)	No water strike		
										GRO	OUNDWATER PRO	GRESS
NSTALLATIO		. ID7 D ! =		Date		Hole Depth	Casing Depth	Der W	oth to ater	Commer		
Date Ti	ip Depth RZ Top	RZ Base Ty	pe									
	AT scanned loca ut .	I I ation and hand dug in	spection	ection pit was carried Sample Legend D - Small Disturbed (tub) B - Bulk Disturbed LB - Large Bulk Disturbed Env - Environmental Samp					UT - Undisturbed 100mm Diameter Sample P - Undisturbed Piston Sample (Jar + Vial + Tub) W - Water Sample			



REPORT NUMBER

_				A MARKAGO STANDARD STANDARD - MARKAGO - AND	and a									
CO	NTRA	CT M	lonaghan	Active Travel - Main S	ite						BOREHO	OLE NO	. BH04 Sheet 1 of 1	
СО	-ORD	INATES			RIG TYP				Dando 20	000		OMMEN	CED 12/05/2023	
			(m AOD)			OLE DIAME			200 1.20		DATE C			
	IENT GINEE		onaghan BFL	Co.Co.	the second second second	VIMER REF (RATIO (%					BORED PROCES		P.Allan Y F.C	
	JIIILL		OI L		LIVERGI	WIIO (%	''			San	nples	SED B	F.C	
Depth (m)			D	Description		Legend	Elevation	Depth (m)	Ref. Number	Sample Type		Recovery	Field Test Results	Standpipe Details
- 0	TOF	SOIL				34 34 X		0.30						
1	Grey		AY with s	some gravel and occas	sional	®			AA192938	В	0.50		N = 50/75 mm	
1		truction of Boreh	ole at 1.2	0 m		<u>~</u> ~		1.20					(25, 50)	
2														
3														
4														
5														
6														
7														
														,
8														
9														
LIA	DD 6.	TDATA D	OPING	LUCELLING							v _			
	n (m)	To (m)	Time	HISELLING Comments		Water			Sealed	Ris		me /	ATER STRIKE DET	AILS
	.1	1.2	(h) 1	Comments	12	Strike	De	pth	At	То		nin)	No water strike	
												GP	OUNDWATER PRO	GRESS
INS.	TALL	ATION DE	TAILS			Date		Hole	Casing	De	pth to	Comme		J. 1.L.33
	Date			op RZ Base Ty	/pe			Depth	Depth	N	ater '		units	
REN	MARK	S CAT s out . C rebore	bstruction	ocation and hand dug in encountered . Moved	nspection pd to BH04A	pit was car and attem	ried ipted	Samp D - Small B - Bulk D	le Legeno Disturbed (tub) Disturbed	d d		Samp	Indisturbed 100mm Diameter le disturbed Piston Sample	
								Env - Env	Bulk Disturbed ironmental Sam	nple (Jar -	+ Vial + Tub)	W-W	ater Sample	



REPORT NUMBER

CONTRACT Monaghan Active Travel - N	Main Site						BOREH	OLE NO	D. BH04A	
CO-ORDINATES	RIG TYP	E		Г	ando 20	000	SHEET		Sheet 1 of 1	
GROUND LEVEL (m AOD)	BOREHO	DLE DIAMET		m) 2	00 .50		DATE C		NCED 13/05/2023 TED 13/05/2023	
CLIENT Monaghan Co.Co. ENGINEER DBFL	SHEET OF THE STREET	MER REF. RATIO (%)					BORED PROCE:		P.Allan SY F.C	
	ENERGY	NATIO (%)					ples	OSED B	F.C	bon-
Description		Legend	Elevation	Depth (m)	Ref. Number	Sample Type	Depth (m)	Recovery	Field Test Results	Standpipe Details
OUT TOPSOIL		44 47 7		0.30						
Stiff bown sandy SILT/CLAY with some	e gravel	X0			AA192939	В	1.00			
Very stiff grey sandy gravelly CLAY with	h some			2.50	AA192940	В	2.00		N = 21 (2, 2, 3, 6, 8, 4)	
cobbles 3					AA192941	В	3.00		N = 50 (4, 4, 5, 10, 20, 15)	
Obstruction	~~			4.50	AA192942	В	4.00		N = 40/150 mm (6, 10, 19, 21) N = 50/75 mm	
End of Borehole at 4.50 m 6 7 8 HARD STRATA BORING/CHISELLING								W	JATER STRIKE DETA	AILS
rom (m) To (m) Time Comments		Water Strike	Cas		ealed At	Rise		ima	Comments	TILO
1.1 1.3 1 4.4 4.5 1.5		Ottike	De	5411	AL	- 10			No water strike	
NSTALLATION DETAILS		Date		lole	Casing	Dei	oth to		ROUNDWATER PRO	GRESS
Date Tip Depth RZ Top RZ Base	Туре	Date		epth	Depth	W	Depth to Water Comments			
REMARKS CAT scanned location and hand out .	dug inspection p	D - Small Disturbed (tub) B - Bulk Disturbed LB - Large Bulk Disturbed					UT - Undisturbed 100mm Diameter Sample P - Undisturbed Piston Sample (Jar + Vial + Tub) Water Sample			



REPORT NUMBER

			A A A A	Darri Arazis Basso	e goteo so war-						- 1				
	NTRA	200	onaghan	Active Travel	- Main Sit		NE					BOREHO SHEET	DLE NO.	BH05 Sheet 1 of 1	
		NATES LEVEL ((m AOD)				OLE DIAMI		nm)	Dando 20 200 4.50		DATE CO		DED 15/05/2023 ED 15/05/2023	
CLII	ENT SINEE		onaghan BFL	Co.Co.		Personal partition	MMER REF Y RATIO (%					BORED E		P.Allan F.C	
											San	ples			
Depth (m)			D	escription			Legend	Elevation	Depth (m)	Ref. Number	Sample Type	Depth (m)	Recovery	Field Test Results	Standpipe Details
0	TOP	SOIL					71/2/1/2		0.30						
1	Soft grav		own sand	ly SILT/CLAY	with occa	sional	X0 x o		0.00	AA192946 AA192947	1857	0.50		N = 6	
							————X		2.00	, 0 1102347		1.00		(2, 6, 1, 1, 2, 2)	
2	occa	sion cob to stiff b	bles	andy gravelly dy gravelly CL			0 0		2.00	AA192948	В	2.00		N = 19 (2, 2, 3, 4, 5, 7)	
3	Stiff occa	to very st sion cob to stiff bi		andy gravelly dy gravelly CL			0 0 0 0 0			AA192949	В	3.00		N = 26 (2, 3, 4, 6, 8, 8)	
4		ruction							4.50	AA192950	В	4.00		N = 50/150 mm (6, 8, 20, 30) N = 50/75 mm	
5 6 8								V							
HAI	RD S	TRATA B		HISELLING										TER STRIKE DET	AILS
rom	(m)	To (m)	Time (h)	Comments		Wate Strike		sing :	Sealed At	Rise To			omments		
3. 4.		3.9 4.5	1 1.5				4.50		.50	No	3.50		1 0	Moderate	
								- 1	Hole	Casina	D-	ath t = 1		OUNDWATER PRO	GRESS
	ALL/ ate	Tip De	everans—ere	op RZ Base	Тур	е	Date		Depth_	Casing Depth	₩	oth to ater	Commen	ts	
REM	IARK	S CAT so	canned lo	cation and ha	and dug in	spection	pit was car	rried	B - Bulk I LB - Larg	le Legene Disturbed (lub) Disturbed e Bulk Disturbed erronmental San	d	· Vial + Tub)	Sample P - Und	disturbed 100mm Diameter isturbed Piston Sample ter Sample	



REPORT NUMBER

0992										
CONTRACT Monaghan Active Travel - N	lain Site						BOREH	IOLE NO	D. BH06 Sheet 1 of 1	
CO-ORDINATES GROUND LEVEL (m AOD)		E DLE DIAME DLE DEPTH		nm) 2	Dando 20 200 1.00	000	DATE C		ICED 16/05/2023	
CLIENT Monaghan Co.Co. ENGINEER DBFL	Certain to the second	MER REF			1			BY SSED B	P.Allan Y F.C	
(a) Description		Legend	Elevation	Depth (m)	Ref. Number	Sample Type	Depth Depth	Recovery	Field Test Results	Standpipe Details
TOPSOIL Very stiff brown sandy SILT/CLAY with and occasional cobbles Obstruction End of Borehole at 1.00 m	some gravel			1.00	AA197914	В	0.80		N = 50/75 mm (25, 50)	
HARD STRATA BORING/CHISELLING								w	ATER STRIKE DET	AILS
From (m) To (m) Time (h) Comments		Water Strike			Sealed At	Ris To		ime min)	Comments	
0.9 1 1									No water strike	
				ا حاما		T -	1	GR	OUNDWATER PRO	GRESS
INSTALLATION DETAILS Date Tip Depth RZ Top RZ Base	Туре	Date Hole Casing Depth to Depth Water Comments Type								
INSTALLATION DETAILS Date Tip Depth RZ Top RZ Base REMARKS CAT scanned location and hand out Obstruction encountered I rebore.	dug inspection p Moved to BH06A	pit was care and attem	ried pted	B - Bulk D	e Legen Disturbed (tub) sturbed Bulk Disturbe ronmental San	d	+ Vial + Tub)	Samp P - U	Undisturbed 100mm Diameter ole ndisturbed Piston Sample Vater Sample	



REPORT NUMBER

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co	NTRA	СТ М	onag	ghan Ac	tive Travel	- Main Site							BOREH	OLE N		
CO	-ORDI	NATES				F	RIG TYP	·F			Dando 20	ากก 🖯	SHEET		Sheet 1 of 1	
		LEVEL	(m A	OD)		E	BOREH	OLE DIAME		nm)	1.00		DATE C			
	ENT			ghan Co	.Co.			VMER REF					BORED	BY	P.Allan	
ENG	GINEE		BFL.		····	E	NERG	RATIO (%	6)	· · · · · · · · · · · · · · · · · · ·	·		PROCE	SSED E		T
Ê									Ē	Έ			nples			9
Depth (m)				Des	cription			Legend	Elevation	Depth (m)	Ref. Number	Sample Type	Depth (m)	Recovery	Field Test Results	Standpipe Details
									<u> </u>	a	άź	s _	దిక్	ě		S e e
- 0		SOIL	wn s	andy SII	T/CLAY wi	th some gra	avel	<u>~</u>		0.30	4					
	and	occasion	al co	obbles		in some gre	1461	®			AA171709	8	0.80			
1		truction						6-6		1.00	171708		0.80		N = 50/75 mm (25, 50)	
	End	of Boreh	ole a	at 1.00 n	n					ļ						
_																
2																

3															7	
															7	
<u> </u>																
4																
5																
6																
7																
8																
9																
9																
HA	RD S	TRATA B	ORI	NG/CHIS	BELLING					<u> </u>	<u> </u>	L	I		 WATER STRIKE DET.	 AILS
ron	n (m)	To (m)		ime (h)	omments			Wate Strike		ising S epth	Sealed At	Ris To		ime nin)	Comments	
0	.9	1	1	1											No water strike	
														Gl	ROUNDWATER PRO	GRESS
INS	TALL	ATION DI						Date	•	Hole Depth	Casing Depth	De V	pth to /ater	Comm		
[Date	Tip D∈	pth	RZ Top	RZ Base	Туре	!									
REN	/ARK	S CAT s	canı	ned loca	tion and ha	ind dug insp	ection	pit was car	ried	Samo	e Legen	d				
	v	out.			unsu ila	a aug mis		p. 1140 001		D - Small 8 - Bulk D	le Legen Disturbed (tub sturbed Bulk Disturbe) ed		San	- Undisturbed 100mm Diameter nple Undisturbed Piston Sample	
										Env - Env	ronmental Sa	nple (Jar -	+ Vial + Tub)	w	Water Sample	



REPORT NUMBER

-/-						2000	-								mana va		14 m2007 - 477 min	
	NTRAC		naghan	Active	Travel	- Main S		N. M.						BOREH SHEET	IOLE N	0.	BH07 Sheet 1 of 1	
	ORDIN	ATES LEVEL (r	n AOD)					E DLE DIAM DLE DEPT			n) 2	Dando 20 200 1.00	000	DATE C			16/05/2023	
	ENT SINEER		naghan (Co.Co	0.		MERCA SEL ASSOCIATION	MER REI).				BORED PROCE		BY	P.Allan F.C	
							LIVERYOR	101110 ()	, . ,					ples	OOLD ,	<u> </u>	1.0	
Depth (m)			D	escri	otion			Legend		Elevation	Depth (m)	Ref. Number	Sample Type	_	Recovery	, in .	Field Test Results	Standpipe Details
- 1	Very s and o	stiff brow ccasiona	n sandy il cobbles	SILT/	CLAY w	ith some	gravel	<u>₩</u> ₩ \			1.00	AA171710	В	0.80			N = 50/75 mm (25, 50)	
3			ele at 1.00	0 m													(23, 30)	
HA		RATA BO	Wate		Casi	ina I G	Sealed	Ris				R STRIKE DET	AILS					
From 0	23 20	Го (m) 1	Time (h) 1	Com	nments			Strike		Casi Dep		At	To		Time min)		water strike	
								\vdash							G	ROUI	NDWATER PRO	GRESS
INS	TALLA	TION DE	TAILS					Dat	e		lole	Casing	De	pth to ater	Comm		TOTAL CRO	JILOO
	Date		oth RZT	op R	Z Base	Ту	уре	Dat		D	epth	Depth	W	ater	55////	.51113		
INS	MARKS	CAT so out .	anned lo	catio	n and ha	and dug i	nspection	spection pit was carried Sample Legen D - Small Disturbed (tub B - Bulk Disturbed LB - Large Bulk Disturbe Env - Environmental Sa					d) ed mple (Jar	UT - Undisturbed 100mm Diameter Sample P - Undisturbed Piston Sample e (Jar + Vial + Tub) W - Water Sample				



REPORT NUMBER

CO	NTRAC	CT M	onaohan	Active	Travel.	- Main Sit	te.						BOREHO	OLE N	0.	BH08	
		NATES	- i agrian	,	- Huver	mani Oli	RIG TYP)F			Dando 20	_	SHEET		.35	Sheet 1 of 1	
		LEVEL (m AOD)				BOREH	OLE DIAMI		nm)	200 3.40		DATE C			14/05/2023 14/05/2023	
	ENT		onaghan BFL	Co.Co	٥.		ALC: CIVEDNIC	MMER REF					BORED		DV	P.Allan	
	SINEER	C DE	orL				ENERG	Y RATIO (9	%) 				PROCES	וטשפט	ы	F.C	
Depth (m)			C	Descrip	otion			Legend	Elevation	Depth (m)	Ref. Number	Sample Type	Depth (m)	Recovery	(laconal)	Field Test Results	Standpipe Details
- 0	TOPS							71 71V		0.30							
	Firm	brown sa	andy SIL	T/CLA	Y with o	ccasional	gravel				AA192945	В	0.50				
1								×		1.80	AA192946	В	1.00			N = 12 (1, 2, 2, 2, 3, 5)	
2	Stiff to	o very st sional co	iff grey s bbles	andy g	gravelly (CLAY with	n			1.00	AA192947	В	2.00			N = 29 (2, 3, 3, 10, 10, 6)	
3 - 3	Obate	uction						2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		3.40						N = 50/150 mm (10, 15, 25, 25) N = 50/75 mm (34, 25, 50)	
5 6 8	RD ST	RATA B	ORING/O	CHISEI	LING										WATE	R STRIKE DET	All S
-		To (m)	Time (h)		nments			Wate Strike		sing	Sealed At	Rise		ime nin)		ments	,
2	.6	2.8 3.4	0.75 1.5					Sunk		spul	Υſ	То	(r)	No	water strike	
										Hole	Casing	I Do	nth to T			NDWATER PRO	GRESS
	TALLA Date	TION DE	pth RZ	Top F	RZ Base	Ту	pe	Dat	e	Depth	Depth	Jew M	pth to later	Comm	nents	***************************************	
INS	MARK	S CAT so	canned I	locatio	n and ha	and dug ir	nspection	pit was ca	rried	LB - Larg	DIE Legen I Disturbed (tub Disturbed ge Bulk Disturbe vironmental Sa	ed	+ Vial + Tub)	Sa P -	mple	urbed 100mm Diameter bed Piston Sample ample	

Appendix II Rotary Core Logs Photographs