

***) ගිදි		4			GEOT	ECF	INIC	JAL CO	RE LO	3 RECC	ORD				4	2466	35
CC	ONTR	ACT	. 1	/lona	ghan Act	ive Travel	- Mair	n Site						RILLHOL	E NO	RC	02 et 1 of	2
			TES EVEL	(mC	וטו				RIG TYPE	i		Beretta T	DA	TE DRIL		25/0	05/202 05/202	3
CL	IENT	•	N		ghan Co.	Co.			FLUSH		,	Air/Mist -90	DF	RILLED E	Y	10	3SL	JK
	Т	EK	T		Ì				CORE DIA	AMETER (m	ım)	78	ILC	GGED E	IY 	T).O'She	ea T
Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Spa L (n	cture acing .og nm) 50 50d	Non-intact Zone	Legend			Descrip				Depth (m)	Elevation	Standpipe Details	SPT (N Value)
1	1.50	0	0	0		er ing de			SYMMET returns of	RIX DRILLI Fsoft CLAY.	NG: No rec	covery, obse	rved by d	riller as				
2	3.00	0	0	0											ANNUAL TO THE TAXABLE			- Constitution of the Cons
~ 4	4.50	0	0	0	· · · · · · · · · · · · · · · · · · ·	144-11111111111111111111111111111111111									4.50			N = 24 (3, 2, 4, 7, 7, 6)
5	6.00	0	0	O				- 0 - 0 - 0	SYMMET returns of	RIX DRILLI gravelly CL	NG: No rec AY with occ	overy, obse casional cob	rved by d bles	riller as				
7	7.50	0	0	0	7-7-7-8-8-8-8-8											1		N = 43 (4, 6, 10, 10, 10, 13)
8		0	0	0	Application of the state of the	4		76							- Transmire	· interest		N = 51 (17, 9, 11, 13, 13, 14)
9 9.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								<u> </u>										
Hole			om 0.	.00-1	0.50m					Water Strike	Casing Depth	Sealed	Rise	Time		mment		DETAILS
										Julke	Берип	At	То	(min)	-			recorded
INS	STALLATION DETAILS								······································	Date	Hole	Casing	Depth Wate	to con	GR0 nments		VATE	RDETAILS
	Date Tip Depth RZ Top RZ Base Ty							Тур			Depth	Depth	Wate	r CON	n nen itt			
25-	05-2	3	10.5	U	1.00	10.50	5	0mm	SP				İ					



GEOTECHNICAL CORF LOG RECORD

	ලිපි					GEOI	EC.	11/11/	JAL CO	KE LOG	KECU	KU				2	2466	35
	NTR			1ona	ghan Act	ive Travel	- Mai	n Site	T				DRILL SHEE	HOLE I	NO	RC She	02 et 2 of	2
	-ORE		VEL	(mC	DD)				RIG TYPE	E		Beretta T4 Air/Mist	ıa	DRILLE LOGGE			5/2023 5/2023	
	ENT GINE			fona OR/	ghan Co.	Co.		r	INCLINAT	ION (deg) AMETER (m	rn)	-90 78		ED BY			SL - J .O'She	
ವ Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	(1	octure acing .og nm) 50 500	Non-intact Zone	Legend			Descripi				Depth (m)	Elevation	Standpipe Details	SPT (N Value)
11	10.50								returns of	RIX DRILLII gravelly CL of Borehole	AY with occ	asional cobl	ved by drille bles <i>(contini</i>		0.50			N = 48 (6, 8, 11, 12, 12, 13)
13	T T TOTAL PROPERTY OF THE PROP				· Proposition de la company									P. P. L. S. C.				
15	***************************************				Organistic state of													
16 17					TO THE PROPERTY OF THE PROPERT	The state of the s								The second section is the second seco				
18 REM Hole														Marylania del vene			TO THE PARTY NAMED AND THE	
REN	IARH	(S								<u> </u>	····				WAT	ER ST	RIKE	DETAILS
łoie	e cased from 0.00-10.50m									Water Strike	Casing Depth	Sealed At		Time (min)	Con	nment	S	recorded
NST		ΔΤΙ	ירו אל	FTA	II S					Date	Hole	Casing	Depth to	1		UNDW	/ATER	DETAILS
	FALLATION DETAILS Date Tip Depth RZ Top RZ Base Type 05-23 10.50 1.00 10.50 50mm SP									Date	Depth	Depth	Depth to Water	Comm	iens		*****	



IGSL RC FI 10M 24665 - MAIN SITE.GPJ IGSL.GDT 6/8/23

GEOTECHNICAL CORE LOG RECORD

N	ලියි	.				GLO I	LUI	HAIC	JAL CO	KE LOG	RECO	עאי				24665			
CC	NTR	ACT	٨	1ona(ghan Acti	ve Travel	- Mai	n Site						ILLHOLE EET	NO	RC	03 et 1 of	2	
		DINA		(mO	D)				RIG TYPE FLUSH			Beretta T	DA	TE DRILL TE LOGG		26/0	95/2023 95/2023	3	
	IENT GINE			fonaç ORA	han Co.	Co.			INCLINAT	ION (deg) METER (mi	m)	-90 78	1	ILLED B			SSL - J .O'She		
Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Spa L (n	cture acing og am) 0 500	Non-intact Zone	Legend			Descrip	ition			Depth (m)	Elevation	Standpipe Details	SPT (N Value)	
0 1 1 2 8 8 8 8 8	8.10 9.10	100 71 KS ed fro	0 0	0					Returns of gravelly Ci	stiff to very LAY, with oc to subround estone.	stiff, dark	brown, sligi	ntly sandy,	Gravel	8.10 WAT Co.	TER ST	RIKE S	N = 57 (9, 13, 17, 11, 15, 14) N = 50 (5, 11, 10, 17, 11, 12) N = 47 (4, 7, 9, 9, 14, 15) N = 53 (4, 11, 11, 13, 13, 16) N = 50 (8, 11, 12, 13, 10, 15)	
INS.	TALI	.ATIC	ON D	ETAI	LS					Date	Hole	Casing	Depth t	o Com	GR0 ments		VATER	DETAILS	
	Date :					RZ Base		Тур	e		Depth	Depth	Water	. 00/11	A I I CI HS				
							1			Ì	1			1					



GEOTECHNICAL CORE LOG RECORD

Λĺ	ලියි	<u>.</u>							JAL CO		J INEGO					2	2466	5				
CC	NTR	ACT	. V	/lona	ghan Acti	ive Travel	- Mai	n Site					DRI SHE	LLHOLE	NO	RC:	03 et 2 of 2	2				
GR		D LI	TES EVEL	(mC	DD)				RIG TYPE			Beretta T4 Air/Mist	DAT	E DRILLE		26/0	5/2023 5/2023					
	ENT GINE			Mona CORA	ghan Co.	Co.			INCLINAT	ION (deg) METER (m	ım)	-90 78		LLED BY GED BY			SL - JI O'She					
⇒ Downhole Depth (m)	L	T.C.R.%	S.C.R.%	R.Q.D.%	(n	cture acing og nm)	Non-intact Zone	Legend			Descript	tion			Depth (m)	Elevation	Standpipe Details	SPT (N Value)				
:	10.50							- 0	<u> </u>	of Borehole	at 10.50 m				10.50							
12				***************************************				THE PROPERTY OF THE PROPERTY O						3	**************************************							
14															THE PROPERTY OF THE PURPLE AND A SECULAR ASSESSMENT ASS							
15																						
17						i deline e de											minores announcement of the second					
REN Hole	The state of the s				T T T T T T T T T T T T T T T T T T T											THE WAY THE PERSON NAMED IN THE PERSON NAMED I						
												rawe a	*****									
Hole	MARKS e cased from 0.00-8.00m								*************************************	Water Strike	Casing Depth	Sealed At	Rise To	Time (min)		ER ST		DETAILS				
										2000	~ Spiil			tana)				recorded				
INS	TALL	.ATI	ON D	ETA	ILS					Date	Hole	Casing	Depth to Water	Comm		UNDW	ATER	DETAILS				
	Date				RZ Top	RZ Base		Туг	be	29-05-23	10.50	Depth 8.00	10.40		nments ir levels recorded 5 mins after end of ig.							



GEOTECHNICAL CORE LOG RECORD

REPORT NUMBER

24665

1110	၁၁.	<u>ر جد</u>														_	. 100	,,
CON	TRA	CT	N	lona	ghan Acti	ve Travel	- Mai	n Site					1	ILLHOL	E NO	RC		
CO-C	ORD	INA:	TES				•		DIO TARR				DA	EET TE DRIL	LED		et 1 of 05/022:	
GRO		LE							RIG TYPE FLUSH	i		Beretta Ta Air/Mist	DA	TE LOG	3ED	23/0	5/202	3
CLIE: ENGI		R		tona ORA	ghan Co.0	Co.			INCLINAT	iON (deg) VMETER (m	3171)	-90 78	•	ILLED E GGED E			SSL - J .O'She	
Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Spa L (m	cture icing og im)	Non-intact Zone	Legend			Descrip	tion			Depth (m)	Elevation	Standpipe Details	SPT (N Value)
ŏ (<u>ა</u>				0 25	0 500	ž	٤	CVMMET	יו אם איי	NO. No.			he	å	ᆲ	ţ	Q.
1	.50	0	0	0					returns of	CLAY.	ING: No rec				1.50			
2 2.	.60	73	0	0				0 0	gravelly C is angular are of lime		2.60							
3	.00	0	0	0	***************************************			0 0	returns of	gravelly CL	NG: No rec AY with occ	overy, obsei casional cob	ved by dr bles	aller as				N = 57 (13, 12, 27, 11, 9, 10)
4.	50	100	0	0	The state of the s													N = 55 (6, 17, 18, 11 12, 14)
6	00	0	0	0	Regularisas managaman da	and the development of the second		0										N = 44 (5, 7, 10, 11, 10, 13)
8.8 8.8 P.	50	0	0	0				0										N = 45 (8, 9, 8, 14, 13, 11)
9 10	.00	0	0	0														N = 10/75 mm (7, 14, 10)
REM/	MARKS le cased from 0.00-15.00m									Wester	Casina	Code	Dia-	T		ER ST	rike.	DETAILS
Hole (case	ed tre	om U.	.00-1	5.00m					Water Strike	Casing Depth	Sealed At	Rise To	Time (min)		mment	s	***************************************
														-	N	o wate	r strike	recorded
											<u></u>				GROUNDWATER DETAILS			
NST/	ALL	ATI	ON D	ETA	ILS	•		••••	•	Date	Hole Depth	Casing Depth	Depth Wate	to Cor	nments		-FAILE	· ····································
Date Tip Depth RZ Top RZ Base Typ								Tyr	e									
		-																



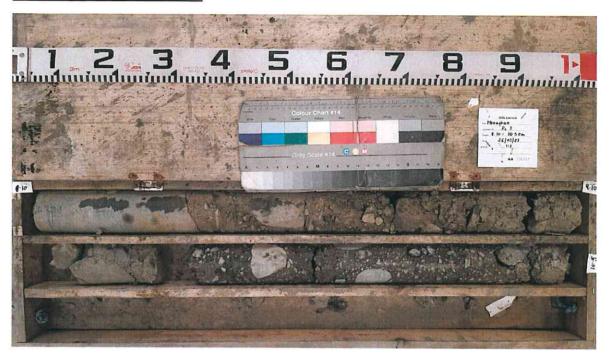
GEOTECHNICAL CORE LOG RECORD

REPORT NUMBER

24665

1	9 3	<u>.</u>														Æ.	:400			
COI	VTR.	ACT	٨	1ona	ghan Acti	ve Travel	- Mai	n Site				·······	DRI	LLHOLI	E NO	RC	06			
CO-	ORI	ANIC	TES			<u></u>							SHE				et 2 of			
GRO	DUN	D LE	VEL	(mC	D)				RIG TYPE			Beretta T	8 A	E DRILI E LOGO			5/0223 5/2023			
CLI	ENT			lona ORA	ghan Co.(Co.			INCLINAT	ION (deg) METER (m	m)	-90 78	1	LLED B			SSL - J .O'She			
Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Spa Li (m	cture icing og im) o sod	Non-intact Zone	Legend			Descrip				Depth (m)	Elevation	Standpipe Details	SPT (N Value)		
10	11.50	0	0	0		A Colombia de la colombia della colo		- O	SYMMET returns of	RIX DRILLI gravelly Cl.	NG: No rec AY with occ	overy, obse casional cob	rved by dri foles (cont	ller as linued)				N = 46 (4, 11, 12, 9, 11, 14)		
- 12	3.00	0	0	0		ş												N = 55 (15, 16, 19, 11, 12, 13)		
13	3.50	0	0	0	-			-8-							13 50	1				
13		100	0	0					Returns of stiff to very stiff, dark brown, slightly sandy, gravelly CLAY, with occasional cobbles. Sand is fine. Gravel is angular to subrounded fine to coarse of limestone. Cobbles are of limestone.											
- 15	5.00							<u></u>	Ead	of Borehole	at 15 00 m				15.00					
17 18	TO THE PARTY OF TH														Marganian and Andrews and Andr					
REN			om n	00-1	15.00m					Water	Casing	Sealed	Rise	Time				DETAILS		
REN Hole										Strike	Depth	At	To	(min)	N		r strike	recorded		
INST	TALLATION DETAILS								Date Hole Casing Depth to Comments Depth Depth Water Comments						CUETAILS					
	Date Tip Depth RZ Top RZ Base							Туг	ЭЕ	23-05-23	Depth 15.00	15.00	13.40	vvater						

RC03 - Box 1 of 1 - 8.10-10.50m



RC06 - Box 1 of 1 - 1.50-15.00m



Appendix III Trial Pit Records Photographs



	55T	•	TRIAL PIT	RECO	RD					24	665	
CON	ITRACT	Monaghan Active Travel						TRIAL P	IT NO.	TPC		
LOG	GED BY	I.Reder	CO-ORDINA		833,8	06.85 E 17.07 N		DATE ST		28/0	et 1 of 1 4/2023 4/2023	
CLIE	NT INEER	Monaghan Co.Co. DBFL/Cora	GROUND LE	EVEL (m)	72.34			EXCAVA METHO		3T T mac	racked nine	
									Sample	s	² a)	meter
		Geotechnical Description		Legend	Depth (m)	Elevation	Water Strike	Sample Ref	Туре	Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0	TOPSO	L		1/21/21/21/21/21/21/21/21/21/21/21/21/21		TO 00						
	coarse.	eyish brown to brown, slightly sand th medium cobbles content. Sand gravel is fine to coarse subangular ded, cobbles are small to coarse s ded	r ta		0.25	72.09		AA200193	В	0.70		
1.0	CLAY wi	tiff, grey, slightly sandy gravelly sl th high cobbles and boulders cont parse, gravel is fine to coarse sub- ded, cobbles and boulders are sub-	tent. Sand is angular to		0.90	71.44						
	TP termi	nated at 1.8m due to many boulde rial Pit at 1.80m	Prs	4	1.80	70.54		AA200194	В	1.60		
 -4.0												
Grou TP d	ndwater C ry	conditions								-		
Ct-C	ilia.	MINORAL PLANTS										
Stab TP si	ility table											
Gene TP d	eral Remar one for civ	ks ic offices project									and the second s	



REPORT NUMBER

J	53L	Т	RIAL PIT	RECO	RD					24	665	
CON	ITRACT	Monaghan Active Travel						TRIAL P	IT NO.	TP()2 et 1 of 1	
LOG	GED BY	l.Reder	CO-ORDINAT		833,7	17.94 E 82.52 N		DATE S		27/0	4/2023 4/2023	
CLIE	INEER	Monaghan Co.Co. DBFL/Cora	GROUND LE	/EL (m)	69.34			EXCAVA METHO		3T T mac	racked hine	
						:			Sample	S	'a)	neter
	***************************************	Geotechnical Description		Legend	Depth (m)	Elevation	Water Strike	Sample Ref	Туре	Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0	TOPSOI		aralla Of AV	7 W V	0.25	69.09						
<u> </u> - -	with low fine to co	rm, brown, slightly sandy slightly gra cobbles content. Sand is fine to coa parse subangular to subrounded, co bangular to subrounded.	rse, gravel is		0.55	68.79						
1.0	Dense, t	original to subrounded. brownish grey, very clayey very sand ubrounded to subangular GRAVEL, ilar to angular cobbles and boulders	y fine to with high content.	00000000000000000000000000000000000000				AA200181	В	0.80		
-	TP termi End of T	nated at 1.4m due to many boulders rial Pit at 1.40m	;	90°0	1.40	67.94						
2.0												
3.0												
4.0				4								
-												
TP d	ry	onditions										
Stabi TP st	ility ightly unst	able from 0.55m										
Gene TP de	eral Remar one for civ	ks ic offices project									·	

IGSL TP LOG 24665.GPJ IGSL.GDT 10/5/23