	C	AUS			A					ct No. 0874	Project Nam Client: Client's Rep	Dublin C	entral GP I	und Investigat .td	ion			orehole I C-BH10
Meth Sonic Dr Rotary C	rilling	Fraste X Fraste X	L Du	0	0.0 15.		15. 40.	.00	71570	0.59 E 8.65 N	Final Depth:			21/12/2022	Driller:	KW/ AG		heet 5 of 9 Scale: 1:50 FINAL
Depth	Samples /	Field Records	TCR	SCR	RQD	FI	Casing Depth (m)	Water Depth (m)	Level	Depth	Legend			scription		+SMC	/ater	Backfill
37.50 39.00	Samples /	Field Records	100	91 100	69	FI	d deprie	To combine the combine to combine the combine to combine the combine to combine the combin	-37.90	40.00	Mod occa: brass weat streen surfa Discc 1. 10 plana surfa 2. 45 roug 3. 70 22.77 34.56 stain	ional white ca y yellow pyrite hered: slightly gth, closer frac ces, orangish b ntinuities: -25 degree bec ir, smooth, pat ces, patchy pyr -60 degree joir n, orangish bro -90 degree joir -22.90m, 24.4 -35.25m and 3 ng. on joint sur	ocally mediu lcite veins (up mineralisative duced stream stature spacing prown staining ding fracture chy orangish rite mineralisats, widely spun staining of the from 21.0 5-24.65m, 28 35.35-35.75m faces.	m strong) dark groto 20mm thick) on. Slightly to mongth, localised slig, clay infill on the gron some fractures, closely spaced brown staining of atton on some beaced (200/1180/sm most joint surf to-2-1.35m, 21.65-8.75-28.90m, 33.00, planar, rough, or angular fine to coarse grother than the surface of the	and occasi derately snificantly occasional re surfaces (10/145/5 n some fra dding fract 3000), plan aces. 21.80m, 10-33.25m, rangish bri	onal reduced fracture	Water	Backfill
			TCR	SCR	RQD	FI												
		Strikes			T		_		Details		Remarks							
Casing C		Water	Add		n) Fr	rom (i	m)	To (r	n) Time	e (hh:mm)	Hand dug inspec No groundwater		ted to 1.20m					
15.00 40.00	183 146	0.00		0.00		Core	Barr	el	Flush	Туре	Termination R	eason				Last Up	date	d E
					1		K6L	-	Wat	20.0						Last Op	wate	

20	1						Proje	ct No.	Project	Name	: Dublin C	entral Grou	nd Investigati	ion		Borehole	ID
		CAUSE	EW	AY			22-0	0874	Client:		Dublin Co	entral GP Lt	td			DC-BH10	02
	9 -	——— G E	OTE	CH					Client's	Rep:	Waterma	an					
Metho		Plant Use		Top (m)	_	_	Coord	inates	Final De	meth.	25 00 m	Start Date:	08/12/2022	Driller	KW / AG	Sheet 1 of	4
Sonic Dr Rotary Co	-	Fraste XL D		0.00	15. 35.		71571	0.79 E	rinai De	ptn:	33.00 111	Start Date.	06/12/2022	Driller.	KW / AG	Scale: 1:5	0
	Ü						73483	7.70 N	Elevatio	n:	5.13 mOD	End Date:	13/12/2022	Logger:	CMc +SMC	FINAL	
Depth (m)	Sample /	Field	Records		Casing Oopth	Water Depth	Level	Depth (m)	Legend			Desc	cription			Backfill	
Depth (m) 0.50 1.00 1.20 - 1.65 2.00 3.00 3.00 - 3.45 4.00 4.50 - 4.95 5.50 7.00 7.50 - 7.95	ES1 ES2 SPT (C) ES3 ES4 SPT (C) ES5 SPT (C) B9 SPT (C)	N=1 (0,0/1,0,0,0,1398 N=8 (1,2/1,2,2,31398 N=8 (1,0/1,1,2,431398 N=15 (2,2/4,4,31398 N=20 (2,3/3,4,51398	0) Hamm 3) Hamm 4) Hamm	ner SN = mer SN =	6.00	4.00	Level mOD	Depth (m)		MADE subang limesto of red is boulded.	are subang on dense beccounded fine in	Desiry loose to loo nunded fine to lium cobble ar and concrete. Sigular to subro		n sandy sli of predom ent and fra parse . Cobl one.	ghtly silty inantly gments bles and	ži l	0.5 - 10 - 15 - 2.0 - 2.5 - 3.0 - 3.5 - 6.0 - 6.5 - 7.0 - 8.5 - 8.
		N=36 (3,5/7,7,1 SN = 1398															
ruck at (m) Ca		Time (min) Ro	se to (m	Rema		pecti	on pit exc	avated to	1,20m								
Casing D	etails Diam (mm	Water Ad		-			on pit exc		, 1.2UM.								
35.00 35.00	183 146	0.00	33.00	Core	Barr	el	Flush	Туре	Terminat	tion Rea	son				Last Up	dated	n
					SK6L		Wat	er	Terminate	d at sche	duled depth.				08/03/2	2023	20

	C	AUS	E	W	Α	Y			Project 22-0	ot No. 1874	Client:	Name: Dublin Co	entral GP L	_	on		Borehole DC-BH1
	/ -	G	EC	OTE	C	Н					Client's	Rep: Waterma	an				
Metho Sonic Dri		Plant U			0.	00	_	(m)		inates	Final De	epth: 35.00 m	Start Date:	08/12/2022	Driller:	KW / AG	Sheet 2 o
Rotary Co	oring	Fraste X	L Du	0	15	.00	35	.00	71571 73483	0.79 E 7.70 N	Elevatio	on: 5.13 mOD	End Date:	13/12/2022	Logger:	CMc +SMC	FINAL
Depth (m)	Sample / Tests	Fie	ld Re	cords			Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend		Des	cription	-		Backfill
10.00 10.50 - 10.78 11.00	ES7 SPT (C) B12	N=50 (8,10/5 Hammer SN			nm)		10.5	5.00	-5.87	11.00		Medium dense becoto subrounded fine cobble and boulder boulders are subang	to coarse GR/ content. Sand gular to subro	AVEL of various lid d is fine to coarse unded of limesto	thologies Cobbles ine.	with low and	
00 .00 - 12.22	B13 SPT (C)	N=50 (10,15/ Hammer SN			mm)		12.0	5.00			× × × × × × × × × × × × × × × × × × ×	Sand is fine to coars	se.				
13.00 13.00 13.00 13.00 13.50 - 13.78	B14 D17 ES8 SPT (C)	N=50 (8,10/5 Hammer SN			nm)		13.5	5.00	-8.07	13.20	× × × × × × × × × × × × × × × × × × ×	Very stiff grey slight coarse. Gravel is sub predominantly lime	pangular to su				
14.00 14.50	D18						15.0	5.00	-9.87	15.00		Very stiff brown slig	htly sandy slij	ghtly gravelly CLA	Y. Sand is	fine to	
15.00 - 16.50 15.00 - 15.28	SPT(C) (15,10/	50 for) Hammer	100	0	0	N/A				(1.50)		coarse. Gravel is sub	oangular fine	to coarse of varic	ous litholo	gies.	
16.50 16.50 - 18.00	C20		100	0	0	N/A			-11.37	16.50	4 - 4 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -	Very dense brown a subangular fine to c low cobble content coarse. Cobbles are	oarse GRAVE and bands of	L of predominant sandy gravelly cl	ly limesto ay. Sand is	ne with	
18.00 18.00 - 19.50	C21					N/A	18.0	2.00	-12.52	17.65		Very stiff brown slig coarse. Gravel is sub					
25.30			70-	SCR	pa-												
	Water	Strikes	····	JUN	_	ema	rks										
truck at (m) C) Time (min)	Rose	e to (n	n) H	and o	dug in		tion pit exc encounter		1.20m.						
Casing D	etails	Water From (m)	_	ed (m)													
15.00 35.00	183 146	0.00		5.00		Com	D	rol lov	Florale *	Tune	Tormina	Hon Bosson				last H	dated =
	- 14					Core	Bari	ei	Flush	rype	ierminat	tion Reason				Last Up	aated

	CAUS									roject Name: Dublin Central Ground Investigation		
								22-0	874	lient: Dublin Central GP Ltd		DC-BH102
		EC	OTE	EC	Н					lient's Rep: Waterman		
Method Sonic Drill	ling Fraste X	L Du	0	0.	00	Base 15.	00	Coordi		inal Depth: 35.00 m Start Date: 08/12/2022 Driller: K	(W / AG	Sheet 3 of 4 Scale: 1:50
Rotary Cor	ring Fraste X	L Du	0	15	.00	35.		715710 734837		evation: 5.13 mOD End Date: 13/12/2022 Logger:	CMc +SMC	FINAL
Depth (m)	Samples / Field Records	TCR	SCR	RQD	FI	Casing Depth (m)		evel nOD	Depth (m)	egend Description	Water	Backfill
	SPT(C) N=50 (9,10/50 for 152mm) Hammer SN = 1398	100	0	0	N/A			3.62	(0.75)	Very stiff brown slightly sandy slightly gravelly CLAY. Sand is fin X X X coarse. Gravel is subangular fine to coarse of various lithologie X X Very stiff brown thinly laminated SILT. X X X X X X		19.0
19.50 - 19.62	C22 SPT(C) N=50 (25 for 50mm/50 for				N/A	19.5	2.00 -1	4.37	(0.75)	Very stiff brown slightly sandy slightly gravelly CLAY. Sand is fin- coarse. Gravel is subangular fine to coarse of various lithologie		19.5
	67mm) Hammer SN = 1398	100	40	19			-1	5.12	20.25	20.05-20.25m. Dark grey slightly sandy slightly clayey subangular fine to coarse grave predominantly dark grey limestone. Weak thinly to thickly laminated dark grey LIMESTONE with occasional white calcite veins (up to 10mm thick). Moderately weathered: significantly weakened, closer fracture spacing, claid on some fracture surfaces, orangish brown staining on most fracture.	y infill	20.5
21.00					16				(1.70)	birsontinuities Discontinuities 1. 5-15 degree bedding fractures, closely spaced (10/70/220),		21.0
		100	80	50			-1	6.82	_ 21.95	smooth, orangish brown staining on most fracture surfaces, graclay infill on fractures at 20.55m 20.65m, 21.30m and 21.40m (100mm thick). 2. 70-90 degree joints from 20.25-20.55m, 20.80-21.10m, 21.30-21.40m and 20.60-20.95m, planar, rough, orangish brow staining on joint surfaces.	avelly (up to	21.5
22.50		100	100		14					20.55-20 55m Weathered to slightly sandy gravel. 21.10-21.25m Weathered to extremely weak. 21.25-21.45m Weathered to extremely weak. Weak (locally medium strong) thinly to thickly laminated dark j. LIMESTONE. Moderately weathered: slightly closer fracture spis slightly weakened, locally significantly weakened, orangish brostaining on some fracture surfaces.	acing,	22.5
24.00		100	100	30						Discontinuities: 1. 5-20 degree bedding fractures, closely spaced (10/120/820), planar, smooth, orangish brown staining on some fracture surf. 2. 70-90 degree joints from 21.95-22.15m, 23.00-23.60m and 26.00-26.80m, undulating, rough, orangish brown staining on j	aces.	23.5
		100	100	75	1				_ (6.55)	surfaces.		24.5 25.0
25.50								Ė				25.3
		100	100	71					_			26.0
27.00		100	100	95	10				-			27.0
			SCR		EI					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		27.5
	Water Strikes	TOR	JUR	KWD	_	Chise	lling De	etails		marks		1
ruck at (m) Casi	ing to (m) Time (min)	Rose	to (n	n) F	rom (m)	To (m)	Time	(hh:mm)	nd dug inspection pit excavated to 1.20m. groundwater encountered.		
To (m) Dia	tails Water		ed (m)	-								1
15.00	183 0.00 146		5.00		Core	Barre	el F	lush T	уре	rmination Reason	Last Upda	ted

	C	AUS	E	W OT E	ECI	4				ct No. 0874	Project Client: Client's		entral GP L	_	on			hole BH10
Sonic D Rotary C	rilling	Fraste X	(L Du	0	0.0 15.	00	15.0 35.0	00	71571	0.79 E 7.70 N	Final De	******		08/12/2022	Driller:	KW / AG CMc +SMC	Scal	et 4 of le: 1:5 NAL
Depth (m)	Samples	/ Field Records	TCR	SCR	RQD	FI	Casing Depth (m)	Water Depth (m)	Level	Depth (m)	Legend		Des	cription			Water	ckfill
28.50			100	100	93				-23.37	28.50		Weak (locally mediu LIMESTONE. Moders slightly weakened, I staining on some fra Discontinuities: 1. 5-20 degree bedd planar, smooth, orai 2. 70-90 degree join 26.00-26.80m, undu surfaces. Medium strong thin occasional brassy ye slightly reduced stre	ately weather ocally significant are surface ding fractures ngish brown suts from 21.95 allating, rough only to thickly lellow pyrite markets.	red: slightly close antly weakened, es., closely spaced (staining on some i-22.15m, 23.00-i , orangish brown aminated dark graineralisation. Slig	r fracture : orangish b 10/120/82 fracture su 23.60m an staining o ey LIMESTI shtly weath	o), urfaces. d n joint		
30.00			100	100	100							orangish brown stai Discontinuities: 1. 5-15 degree bedd planar, smooth, pat surfaces. 2. 65-70 degree join orangish brown stai	ding fractures chy orangish ats from 32.65	, medium spaced brown staining or i-32.85m, planar,	(20/325/5 n some fra	cture		
31.50			100	100	97	3				(6.50)								
33.00			100	100	100													
34.50 35.00			100	100	100				-29.87	35.00			End of Bore	shole at 35.00m				
Struck at (m)		Strikes Time (min)		scr	T			Illing To (r	Details n) Time	e (hh:mm)		inspection pit excaval water encountered.	ted to 1.20m.					112
Casing I To (m) 15.00 35.00		Water From (m) 0.00	To	ed (m) 5.00		Core	Barre	ı	Flush	Туре	Terminat	ion Reason				Last Up	dated	
						C	K6L		Wat			d at scheduled depth.					2023	40

20	2				P	roject No.	Project Name: Dublin Central Ground Investigation	B	Borehole
	. (AUSEV	YAY		2	22-0874	Client: Dublin Central GP Ltd	C	C-BH1
	9 -	GEOT	ECH				Client's Rep: Waterman		
Meth	od	Plant Used	Top (m)	Base (m) C	oordinates		_ !	Sheet 1 of
Sconic D Rotary C		Fraste XL Duo Fraste XL Duo	0.00 16.50	16.50 35.00	27 (27)	15677.50 E	Final Depth: 35.00 m Start Date: 14/11/2022 Driller: KW / A	G	Scale: 1:5
notary c	ormg	Truste Ne Duo	10.00	33.0	_	34839.69 N	Elevation: 5.09 mOD End Date: 18/11/2022 Logger: RW +CMc		FINAL
Depth (m)	Sample / Tests	Field Record	İs	Casing W Depth De (m) ((m) m(vel Depth OD (m)	Legend Description	Water	Backfill
50	ES1				5.0	0.07	MADE GROUND: Stiff dark greyish brown slightly sandy gravelly SILT with low cobble content and fragments of red brick and concrete. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies. Cobbles are subangular of limestone.		
00 - 2.45 50 50 - 3.00	SPT (C) ES3 B10	N=25 (3,4/6,6,6,7) Ha 1398	nmer SN =	2.00 1.	50				
.00 .00 - 3.45	ES4 SPT (C)	N=21 (3,3/4,6,6,5) Ha	mmer SN =	3.00 2.	00 1.8	84 3.25	MADE GROUND: Medium dense brown sandy clayey subangular fine to coarse GRAVEL of various lithologies with medium cobble content.		Ш
i.00 i.00 - 4.45	ES5	N=17 (3,3/3,4,5,5) Ha	mmer SN =	4.00 3.	00		Sand is fine to coarse. Cobbles are subrounded of predominantly limestone.		
5.50 - 5.00	B12	1398			0.9	59 4.50	Medium dense to dense grey slightly sandy subangular fine to coarse		
5.00 5.00 - 5.45	ES6 SPT (C)	N=19 (3,2/4,4,5,6) Ha 1398 Possible seepage at 5		5.00 3.	50		fine to coarse. Cobbles are subangular of predominantly limestone.	•	
i.00 - 6.45 i.50 - 7.00	SPT (C)	N=43 (4,4/10,10,12,1 SN = 1398	1) Hammer	6.00 5.	00				
7.50 - 8.00 .50 - 7.95 3.00	B14 SPT (C) ES7	N=27 (4,5/5,6,7,9) Ha 1398	mmer SN =	7.50 5.	-2.	41 7.50	Medium dense brown sandy slightly clayey subrounded fine to coarse GRAVEL of various lithologies. Sand is fine to coarse.		
0.00 - 9.30 0.00 - 9.15		N=10 (5 for 75mm/10 Hammer SN = 1398	for 75mm)	9.00 6.0	-4.	21 9.30			
5.00 20.50	5.00 20.50	Strikes) Time (min) Rose to	Rema (m) Hand		ection p	it excavated	1.20m.		
Casing D	Diam (mm)	Water Added From (m) To (m)						
16.50 35.00	183 146	0.00 35.00		Barrel	Fl	ush Type	Termination Reason Last L	Ipdate	ed
			5	K6L		Water	Terminated at scheduled depth. 08/0	3/2023	2 AC

		CAUS	EV	VA	Y H			Project 22-0		Project Na Client: Client's Re	Dublin C	entral Ground l entral GP Ltd an	Investigati	on		Borehole DC-BH1	
Meth Sconic D Rotary C	rilling	Plant U Fraste X Fraste X	L Duo	0	.00 .50	16: 35:	.50	71567	7.50 E	Final Depth		Start Date: 14,		Driller:	KW / AG	Sheet 2 o Scale: 1	L:50
Depth	Sample /					Casina	Water	73483	9.69 N Depth	Elevation:	5.09 mOD	End Date: 18,		Logger:	+CMc	FINA	_
(m)	Tests	Fie	eld Recor	ds		Casing Depth (m)	Water Depth (m)	mOD	(m)	Legend	-di d t. d	Description of the Description o	2010			Backfill	
9.50 - 10.00 10.50 - 10.90 10.50 - 10.90	0 B17	N=47 (6,8/10 SN = 1398),10,12,1	.5) Har	mmer	10.5	6.00	-5.81	10.90	to 5a	coarse GRAVEL o	rase bown sauc f various lithologie e. Cobbles are sub	s with low o	obble cont	ent.		
11.00	ES8 0 B18							-3.01	10.90	10°°, -0° - co	arse GRAVEL of va	ense grey sandy sl arious lithologies w les are subrounde	vith low cob	ble conten			
00 - 12.22 12.50 - 13.00		N=11 (6,9/11 Hammer SN		nm)		12.0	6.00										
13.50 - 14.00 13.50 - 13.99		N=49 (6,9/10 SN = 1398	0,10,12,	17) Har	mmer	13.5	6.00										
14.60 - 15.00 15.00 - 15.40 15.00 - 15.22 15.50 - 16.00	0 B22 2 SPT (C)	N=50 (10,15, Hammer SN		'5mm)		15.0	6.00	-9.51 -9.91 -10.31	14.60 - 15.00 - 15.40	to Definition On GF Co Date Definition Definitio	nse grey slightly s AVEL of limeston arse. Cobbles are rk grey gravelly c	nish grey slightly s subangular fine to sandy slightly claye e with medium co subangular of lime layey fine to coarse abrounded fine to	coarse of lines y subangula bble content estone.	r fine to co t. Sand is fi	oarse ine to		1
.20 - 16.50	0 B24							-11.11	16.20	Bro	nestone. Cobbles ownish grey sand edominantly lime	are subangular of y clayey subrounde stone with low col subrounded of lim	limestone. ed fine to co oble content	arse GRAV	EL of		
16.50 - 16.80	(12,13/	50 for) Hammer	100	0	N/A		3.00	-11.41	16.50 (0.35) 16.85	fin lim Ve co fin	e to coarse. Grave estone. ry stiff brown slig ntent. Sand is fine	sh brown slightly s. el is subangular fin htly sandy slightly e to coarse. Gravel ious lithologies. Co	gravelly CLA	of predom Y with low ar to subro	cobble unded		1
18.00 18.00 - 19.50 18.00 - 18.45	5 SPT(C) (8,12/1	N=47 2,11,12,12) er SN = 1398	TCR SC	R RQC			3.00		(2.70)								1
e		r Strikes	D		Rema							0					
5.00 5.00 20.50	5.00 20.50	n) Time (min)	Rose to	(m)	Hand o	dug in	specti	on pit exc	avated to	1.20m.							
Casing D	Details	Water	Added	-													
To (m) 0	Diam (mm) From (m)	To (n	1)													
16.50 35.00	183 146	0.00	35.0	0	Core	Barı	rel	Flush 1	Гуре	Termination	Reason				Last Up	dated	
						K6L	-	Wat			scheduled depth				08/03/	- Pa	ı

	D D								ct No.	Project								e ID
	CAL	JSE	W	A	Y			22-0	874	Client:	Dublin C	entral GP L	td			D	С-ВН	103
	/	-GE	ОТ	EC	Н					Client's	Rep: Waterma	an						
Metho		nt Use		-		Base		Coord	inates	Final De	nth: 25.00 ~	Start Date:	14/11/2022	Drillor	KW / AG		heet 3 o	of 4
Sconic Dri Rotary Co		te XL Di			.50	16.5 35.0		71567	7.50 E	Final De	ptn: 35.00 m	Start Date:	14/11/2022	Driller:	KW / AG	- 1	Scale: 1	:50
		THE SECOND SECOND						73483	9.69 N	Elevatio	n: 5.09 mOD	End Date:	18/11/2022	Logger:	RW +CMc		FINA	L
Depth (m)	Samples / Field Rec	ords TCF	SCR	RQD	FI	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend		Des	cription			Water	Backfill	
9.50		100	0	0		19.5	4.00	-14.46	19.55		Very stiff brown slig content. Sand is fine fine to coarse of var limestone	e to coarse. G	ravel is subangula	ar to subro	unded			19.0
9.50 - 19.73	SPT(C) N=50 (6,9 for 75mm) Hami SN = 1398 Small water strik 20.50m	ner 46	13	7	N/A 10 AZCL			-14.86	(0.40)		Very dense dark gre coarse GRAVEL of lie Weak indistinctly th with occasional whi weathered: conside on some fracture su surfaces.	inly to thickly te calcite vein rably weaken	d is fine to coarse laminated dark g s (up to 20mm th ed, closer fractur	grey LIMES nick). Mode e spacing,	TONE erately clay infill	•		20.0
1.00		100) 13	0	19				(2.30)		Discontinuities: 1. 5-20 degree bedd smooth, dark grey of thick). 2. 75-90 degree join rough, orangish bro	lay infill on so	me fracture surfa	aces (up to	25mm			21.0
2.50								-17.16	22.25		Moderately weak (II laminated dark grey (1-4mm thick) and preduced strength, sl and yellowish brow	LIMESTONE o pyrite crystalli lightly closer f	with occasional w sation. Partially v racture spacing a	hite calcit weathered and clay de	: posits			22.5
		97	93	45	8						surfaces. Discontinuities: 1. 5 -20 degree bedeplanar, smooth with thick) on fracture su	ding fractures occasional di orfaces.	, closely spaced (ark grey clay dep	10/150/65 osits (up to	i0), o 2mm			23.0
4.00		100	97	78	1						45-55 degree join with occasional dark surfaces. 75-85 degree join rough with yellowis surfaces.	k grey clay de its at 23.15-23	oosits (up to 2mn	n thick on	joint lanar,			24.5
5.50		100	100	94	6													26.0
7.00			100															27.0
	Water Strikes		SCR	RQD		Chise	lling	Details		Remarks						_		_
uck at (m) Ca: 5.00 20.50	sing to (m) Time (r 5.00 20.50		e to (r	n) F			To (n		(hh:mm)		nspection pit excaval	ed to 1.20m.						
Casing De	etails Wa	ter Add	ded															_1
To (m) Dia	am (mm) From (183 0.00 146		o (m) 35.00							Department of the second					Last Up	1.:	, =	
35.00		1		1 1	Core	-2	ut I	Flush 1	IVPA	Torminat	ion Reason					rente.	4.5	-

	C	CAUS	E	W DTE	A	Y				ct No. 0874	Client:		entral GP Li		200			orehole C-BH1	
Met		Plant U		_			Base	_	Coord	linates	Final De	nth: 35.00 m	Start Date:	14/11/2022	Driller	KW / AG	S	heet 4 o	of 4
Sconic I Rotary	_	Fraste X Fraste X			0. 16	.50	16.5 35.0	0		7.50 E						RW		Scale: 1	
Depth							Casing 1		/3483 Level	9.69 N	Elevatio	n: 5.09 mOD		18/11/2022	Logger:	+CMc	er	FINA	
(m)	Samples	/ Field Records	TCR	SCR	RQD	FI	Casing 1 Depth (m)		nOD	(m)	Legend	Moderately weak (lo	1000,000	estrong indisting	ctly thinly		Water	Backfill	28.0
8.50			100	100	71	3						laminated dark grey (1-4mm thick) and p reduced strength, sli and yellowish brown surfaces. Discontinuities: 1. 5-20 degree bede planar, smooth with thick) on fracture su 2. 45-55 degree join with occasional dark	nyrite crystalli ightly closer f n and orangisl ding fractures occasional da rfaces. ts, widely spa	sation. Partially variations and brown staining to be compared to the compared of the compared (100/850/21) and the compared (100/850/21) ced (100/850/21)	weathered and clay do on fracture 10/150/6 osits (up t	d: eposits re 50), o 2mm			29.0
0.00			100	100	75							surfaces. 3. 75-85 degree join rough with yellowish surfaces.	ts at 23.15-23	1.65m and 30.00-	-30.30m, p	olanar,			30.5
3.00			100	100	35	9				(12.75)									32.5
33.00			100	100	100	3													33.
34.50																		4 -	34.
5.00			95	95	54				9.91	35.00									351
													and or buffe	hole at 35.00m					35. 36.
	18/-1	u Chulling	TCR	SCR	RQD	_	Chi	Iller - F	at-11		Permi								
5.00 20.50		r Strikes	Rose	to (n	n) F			Iling D To (m)			Remarks Hand dug	inspection pit excavat	ed to 1.20m.						
Casing To (m) 16.50	Details Diam (mm	Water) From (m) 0.00	To	ed (m)															
35.00	146	0.00	J.				Barre K6L		Flush Wat			ion Reason				08/03/2		- 12	C

	2				Proje	ct No.	Project	t Name: Dublin C	entral Grou	ınd Investigat	ion		Во	rehole II
	C	CAUSEW	YAY		22-0	0874	Client:	Dublin C	entral GP L	td			DO	C-BH10
	/ -	GEOT	ECH				Client's	s Rep: Waterma	an					
Metho	d	Plant Used	Top (m)	Base (m	Coord	linates						KW / AG	Sh	eet 1 of 5
Sonic Dri	-	XL Fraste Duo	0.00	16.50		11.01.5	Final De	epth: 40.50 m	Start Date:	02/12/2022	Driller:	+SJ / AG	S	cale: 1:50
Rotary Co	ring	XL Fraste Duo	16.50	40.50		11.01 E 13.84 N	Elevatio	n: 5.10 mOD	End Date:	06/12/2022	Logger:	LN+RW		FINAL
Depth	Sample /			Casing Water	Level	Depth		3.10 11100			2088011	2,17,111		
(m)	Tests	Field Record	s	Casing Wrater Depth (m) (m)	mOD	(m)	Legend	MADE GROUND: Ve		cription	andy sligh	tlv	Water	Backfill
.50	ES1 SPT (S)	N=50 (25 for 125mm/ 109mm) Hammer SN				tanana danana dana danana danana dana		gravelly CLAY with f coarse. Gravel is sub	ragments of c	oncrete and pyri	te. Sand is	fine to		0.3
00 00 - 2.17	ES2 SPT (S)	N=50 (25 for 105mm/ 65mm) Hammer SN =		2.00	3.10	2.00		MADE GROUND: Me subangular fine to c fragments of concre	oarse GRAVE	of predominant	ly limestor	ne with		2.0
.00 .00 - 3.45	ES3 SPT (S)	N=24 (1,1/2,7,9,6) Ha 1398	mmer SN =	3.00										3.1
.00	ES4				1.10	4.00		Medium dense grey	vish brown sar	ndy clavey suban	gular fine t	o coarse		4
.00 - 4.40 .00 - 4.45	B9 SPT (S)	N=11 (1,1/1,2,4,4) Ha	mmer SN =	4.00	0.70	4.40		GRAVEL of predomi						
.40 - 5.00	B10	1398			0.70	4.40		Firm greyish brown Gravel is subangular						4.
					19417									
i.00 - 5.30 i.00 - 5.45	B11 SPT (S)	N=38 (2,3/10,17,6,5) I	Hammer	5.00	0.10	5.00		Dense greyish brow of predominantly lir				GRAVEL		5.0
		SN = 1398			-0.20	5.30		Greyish brown grave subrounded fine to	elly very claye	y fine to coarse S	AND. Grav	el is		5.
5.00 - 6.50	B12													6.0
5.50 - 6.95	SPT (S)	N=14 (1,1/2,3,5,4) Hai 1398	mmer SN =	6.50	-1.40	6.50		Medium dense grey						6.
7.00	ES5							GRAVEL of predomin fine to coarse. Cobb				t. Sand is	-	7)
														7.
.00 - 8.45	SPT (S)	N=16 (2,3/2,4,6,4) Hai	mmer SN =	8.00										8
3.30 - 8.50	B13	1398					* **							
.50 0.50	013					Ē								8.
.00 - 9.45	SPT (C)	N=18 (3,4/6,5,4,3) Hat 1398	mmer SN =	9.00										9.
		r Strikes	Rema	rks										
) Time (min) Rose to (dug inspec oundwater			1.20m.							
	am (mm													1
16.50 40.50	183 146	0.00 40.50		Barrel	Flush	Type	Terminat	tion Reason				Last Upo	later	
			1-1300	K6L	Wat			ed at scheduled depth.				08/03/2		40

	C	AUS	EV	V. TE	A'CH	Y			Proje	ct No. 1874	Project Client: Client's	Dublin C	entral Ground Investiga entral GP Ltd	tion		DC-BH1
Method	d	Plant U	Jsed	-	Тор	(m)	Base	e (m)	Coord	inates	Chefft				KW / AG	Sheet 2 of
Sonic Dril	ling	XL Frast	e Duo		0.0	00	16	.50			Final De	epth: 40.50 m	Start Date: 02/12/2022	Driller:	+SJ / AG	Scale: 1:5
Rotary Co	ring	XL Frast	e Duo		16.	50	40	.50	71574 73484	3.84 N	Elevatio	on: 5.10 mOD	End Date: 06/12/2022	Logger:	: LN+RW	FINAL
Depth (m)	Sample / Tests	Fie	eld Reco	rds			Casing Depth (m)	Water Depth (m)	Level	Depth (m)	Legend		Description			Backfill
10.00 10.50 - 11.00 10.50 - 10.80		N=50 (10,15, Hammer SN		150r	mm)		10.5	3.00	-5.40	10.50		GRAVEL of predomi fine to coarse. Cobb Very dense light gre	r sandy slightly clayey subrou nately limestone with low co iles are subrounded of limest yish brown sandy clayey sub redominantly limestone. San	bble conter one. rounded fin	nt. Sand is	
12.10 - 12.60		N=50 (9,10/5 Hammer SN		85m	ım)		12.0	3.00	-7.00	12.10	× × × × × × × × × × × × × × × × × × ×		grey slightly sandy slightly gra avel is subrounded fine to ma stone.		CLAY. Sand	
13.50 - 13.70	B16						13.5	3.50	-8.40 -8.60	13.50 13.70	× × × × × × × × × × × × × × × × × × ×	Gravel is subrounde Very stiff greyish bro	brown gravelly slightly clayey d fine to medium of predom own slightly gravelly sandy si subrounded fine to medium	inantly lime ty CLAY. Sa	estone. nd is fine	
14.50 - 15.00 15.00 - 15.30			0 (25 for 75mm/50 for m) Hammer SN = 1398 0 (10,11/50 for 150mm) mer SN = 1398				15.0	3.00	-9.90	15.00	\$ - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	Very stiff brown slig coarse. Gravel is sub limestone.	htly sandy slightly gravelly Cl prounded fine to coarse of pr	AY. Sand is edominant	fine to ly	
16.50 - 18.00 16.50 - 16.65	C19 SPT(C) I 75mm/ 75mm)						16.5	3.00	-11.40	16.50			htly sandy slightly gravelly Cl prounded to rounded fine to stone.		fine to	
18.00 18.00 - 19.50	= 1398 C20			0		N/A	18.0	3.00		(3.40)						
Casing De	sing to (m	Water	Added	o (m) R	ema and o	dug in		ion pit exc encounter		1.20m.					
To (m) Dia 16.50 40.50	183 146	0.00	To (1		-	Core	Barr	rel	Flush	Туре	Termina	tion Reason			Last Upo	dated
						c	K6L		Wat	or	Terminate	ed at scheduled depth			08/03/2	- Pr

020	CAL	ICE	:\A	//	V			ect No.	Project Name				011			orehole II
	CAL	-GE	OT	FC	H		22-	0874	Client:	Dublin C	entral GP Lt	td			D	C-BH10
						,			Client's Rep:	Waterm	an		,			
Metho Sonic Dri Rotary Co	lling XL F	nt Use raste D raste D	uo	0	.00 .50	16.50 40.50		dinates	Final Depth:	40.50 m	Start Date:	02/12/2022	Driller:	KW / AG +SJ / AG		heet 3 of 5 Scale: 1:50
	, ALT			-		10.50		43.84 N	Elevation:	5.10 mOD	End Date:	06/12/2022	Logger:	LN+RW		FINAL
Depth (m)	Samples / Field Reco	rds TC	R SCR	RQD	FI	Casing Wat Depth Dep (m) (m	Level mOD	Depth (m)	Legend		Desi	cription			Water	Backfill
18.00 - 18.24 19.50	SPT(C) N=49 (20,15/49 for 86mm) Hammer = 1398	SN 10	0 0	0					coarse		prounded to re	shtly gravelly CLA ounded fine to co		fine to		19.
19.50 - 21.00	C21 SPT(C) N=50 (25 75mm/50 for 75mm) Hammer = 1398		5 0	0	N/A		-14.80	19.90	subrou			slightly clayey su L of predominan				20. 20.
21.00		10	0 0	0			-16.00	21.10	high co	bble and boo	ulder content. oarse of prede	itly sandy slightly Sand is fine to co ominantly limest ole highly weathe	oarse. Grav one. Cobb	vel is les and		21.
22.50					N/A			(2.15)								22.
24.00		10	0 32	10	15		-18.15	23.25	LIMEST closer f	ONE. Partial	y weathered:	k greyish black a slightly reduced al white quartz ve	strength,	slightly		23.
		10	0 85	47	7				(10/60) on surf 2. 70 to	700) planar, aces.	smooth, occa	res, very closely sionally with ligh ing, occasionally	t grey clay	ey film		24.
25.50			\perp													25.
		100	0 83	3	11											26.
27.00			0 100		1											27.
	Water Strikes	TC	SCR	RQD	_	Chiselli	ng Details		Remarks						_	
ruck at (m) Ca	sing to (m) Time (n	in) Ros	se to (r	m) F				e (hh:mm)	Hand dug inspection No groundwater en		ed to 1.20m.					
16.50	am (mm) From (183 0.00		ded fo (m) 40.50													
40.50	146					Barrel K6L	Flush		Termination Real					08/03/2		AG

		CAUS	E	\A	/^	V				ect No.			hole ID
. 8		AUS	GEC	OTI	EC	Н			22-	0874	Client:	Marie State Court	3H104
Met	hod	Plant I	Used		Top	(m)	Base	(m)	Coor	dinates	Client's		t 4 of 5
Sonic [Drilling	XL Frast	e Du	0	0.	00	16	.50	-		Final De	pth: 40.50 m Start Date: 02/12/2022 Driller:	e: 1:50
Rotary	Coring	XL Frast	e Du	0	16	.50	40	.50		41.01 E 43.84 N	Elevatio	n: 5.10 mOD End Date: 06/12/2022 Logger: LN+RW FI	NAL
Depth (m)	Sample	s / Field Records	TCR	SCR	RQD	FI	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description Bac	kfill
												Medium strong (locally weak) dark greyish black argillaceous LIMESTONE. Partially weathered: slightly reduced strength, slightly	28.0
												closer fracture spacing. Occasional white quartz veins with bands of pyrite.	-
28.50						7							28.5
												1. 10 to 20 degree bedding fractures, very closely to closely spaced	
			100	81	72							on surfaces.	1:1250
			100	01	12					Ē		2. 70 to 90 degree joints, undulating, occasionally planar, occasional orange staining.	29 9
										Ē			1:1
0.00						3							30.0
										E			
													30.
			100	100	83]
						12						30.80m Band of pynte	31.0
						\vdash							
1.50						-				Ē			31.
													32.0
			100	90	83							[:]	-
										(17.25)			32.5
3.00				-		3				E			33.0
													-
										Ē			33.5
			100	100	80					E			
													34.0
4.50										E			1
4.50										E			34.5
													-
			100	97	91								
						5							35.5
6.00													36.0
						1							1
			100	94	61								36 5
			100	94	91	4							
										-			37.0
			TCR	SCR	RQD	FI				f			b.
ruck at (m)		m) Time (min)	Rose	to Ir	m) F	rom (ellin To (m) Tin	s ne (hh:mm)	Remarks Hand due	inspection pit excavated to 1.20m.	
	,g to (1	, (rimi)			1					,		inspection pit excavated to 1.20m, Iwater encountered.	
Casing To (m)	Details Diam (mn	Mater n) From (m)	_	ed (m)	\dashv								
16.50 40.50	183 146	0.00		0.50							_		
TU.30	140						Barr	el		Туре		ion Reason Last Updated	L
						5	K6L		Wa	iter	Terminate	d at scheduled depth. 08/03/2023	IAIG

	CAUSE	V	VA	Y			Project 22-0		Project Client:		entral Ground Investigati	ion			orehol C-BH:	
589	GE	ОТ	EC	Н			22-0	0/4			entral GP Ltd			U	с-вп.	.04
Method	Plant Use	d	Tor	n (m)	Base	(m)	Coord	inates	Client's	Rep: Waterma	311		04111	c	neet 5	of E
Sonic Drilling Rotary Coring	XL Fraste Do	uo	0	0.00 6.50	16.5	50	71574		Final De	pth: 40.50 m	Start Date: 02/12/2022		KW / AG +SJ / AG		icale: 1	
notary cornig	Ac Truste Di			,,50	40	50	73484		Elevatio	n: 5.10 mOD	End Date: 06/12/2022	Logger: l	N+RW		FINA	L
Depth Sample:	s / Field Records TCF	R SC	R RQD) FI	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend		Description			Water	Backfill	
7.50	100	00 10	0 79	2						LIMESTONE. Partiall closer fracture space pyrite. Discontinuities: 1. 10 to 20 degree b (10/60/700) planar, on surfaces.	ally weak) dark greyish black a y weathered: slightly reduced ing. Occasional white quartz vo bedding fractures, very closely smooth, occasionally with ligh points, undulating, occasionally	strength, slig eins with bar to closely sp et grey clayey	aced			38.5
9.00	100	0 99	71	6											·. H.	39.5
0.50		T	T				-35.40	40.50			End of Borehole at 40.50m					40.5
																41.0
																41.5
																42.0
																42.5
																43.0
																43.5
																44.
																44.5
																40.00
																45.0
																45.5
																46.0
	TCF	R SCI	R RQD	FI												
	r Strikes		\perp			lling To (r	Details	(hh:mm)	Remarks	nspection pit excavat						

	C	AUS	EW	AY			Project 22-0		Client:		entral GP Lt		ion		Boreh DC-B	
Metho	od	Plant U	sed	Top (m)	Base	(m)	Coordi	nates	Client	rep: waterma	311		T		Sheet	1 of A
Sonic Dri	illing	Fraste XI	Duo	0.00	16.	50			Final De	epth: 30.20 m	Start Date:	29/12/2022	Driller:	SJ / AG	Scale	
Rotary Co	oring	Fraste XI	. Duo	16.50	30.	20	715714 734810		Elevatio	on: 5.12 mOD	End Date:	30/12/2022	Logger:	LN+RW	FIN	AL
Depth (m)	Sample / Tests	Fie	ld Records		Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend		Desc	ription			Back	fill
0.50	ES17						4.92	0.20		MADE GROUND: Ve gravelly silty CLAY w to coarse. Gravel is s limestone.	ith fragments	of red brick and	pyrite. Sand	d is fine		0
1.00 1.20 - 1.65		N=0 (0,0/0,0, 1398	0,0) Ham	mer SN =											Ш	1
1.50	ES19														Ш	1
2.00 - 2.50 2.00 - 2.45 2.50	B1 SPT (C)	N=0 (0,0/0,0, 1398	0,0) Ham	mer SN =											Ш	2
2.50	2320														ш	
3.00 - 3.45	SPT (C)	N=10 (1,1/2,2 1398	2,3,3) Har	nmer SN =												3
3.50	ES21															3
4.00 - 4.50 4.00 - 4.45	B2 SPT (C)	N=12 (0,1/2,2 1398	2,3,5) Har	nmer SN =			1.12	4.00		Firm brown slightly Gravel is subangular						
5.00 5.00 - 5.45	ES22 SPT (C)	N=21 (1,2/5,6	5,5,5) Har	nmer SN =			0.12	5.00		Medium dense beco subangular to subro limestone with low	unded fine to	coarse GRAVEL	of predomir	nantly		
5.50 - 6.00	B3									are subangular of lii	mestone.					
6.50 - 6.95	SPT (C)	N=29 (1,2/4,7 1398	7,9,9) Har	mmer SN =												
7.50 - 8.00	B4								10,,,,,,,							
8.00	ES23								10° 0°						1:1	. 8
8.30 - 8.64 8.50 - 9.00	SPT (C) B5	N=50 (1,3/50 Hammer SN =		nm)												* * * * * * * * * * * * * * * * * * * *
							-3.98	9.10		Dense grey sandy sl of predominantly lin				RAVEL		9
		r Strikes		Rema												
Struck at (m) C	asing to (m	Time (min)	Rose to (-			on pit exc encountere		1.20m.							
Casing D	etaile	Water	Added	4												
) From (m) 0.00	To (m) 30.20													
30.20	145	0.00	50.20	Core	Barr	el	Flush 1	уре	Termina	tion Reason				Last Upda	ted	
					K6L		Wate		*	ed at scheduled depth			1	08/03/20		40

	1	AUSE		//\	V			ect No.			ehole I
8	,	GE	ОТ	ECH	-		22-	0874	Client:		BH10
Metho	d	Plant Use	d	Ton	(m)	Base (n) Coor	dinates	Client's		et 2 of 4
Sonic Dri		Fraste XL D	uo	0.0	00	16.50			Final De	pth: 30.20 m Start Date: 29/12/2022 Driller: SJ / AG	ale: 1:50
Rotary Co	ring	Fraste XL D	uo	16.	50	30.20	12.00	14.67 E 10.41 N	Elevatio	n: 5.12 mOD End Date: 30/12/2022 Logger: LN+RW F	INAL
Depth (m)	Sample / Tests	Field F	Records	_		Casing Wat Depth Dept (m) (m)	Level mOD	Depth (m)	Legend	Description 3	ackfill
						(m) (m)	mod	(m)		Dense grey sandy slightly clayey subrounded fine to coarse GRAVEL	371
9.50 - 10.00 9.50 - 9.95	B6 SPT (C)	N=43 (4,7/10,9,5 SN = 1398	11,13)	Hamn	ner					of predominantly limestone. Sand is fine to coarse.	10
10.50 - 11.00	В7										10
11.00	ES24						-5.88	11.00	-	Very dense greyish brown sandy clayey subrounded fine to coarse] : n
11.00 - 11.60 11.00 - 11.38		N=50 (8,10/50 fc	or 225	mm)		11.0				GRAVEL of predominantly limestone. Sand is fine to coarse.	- :
11.60 - 12.00		Hammer SN = 13		- constant			-6.48	11.60			1 : 11
11.00 - 12.00	69						-0.48	11.00		Grey slightly sandy slightly clayey fine to coarse subrounded GRAVEL of predominantly limestone. Sand is fine to coarse.	
12.00 - 12.28	SPT (C)	N=50 (25 for 143 140mm) Hamme				12.0	-6.88	12.00		Very stiff greyish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subrounded fine to coarse of predominantly	12
2.50 - 13.30	B10									limestone.	12
							0.10	43.35			
3.50 - 14.00 3.50 - 13.83		N=50 (11,14/50		3mm)		13.5	-8.18	13.30	40°	Very dense greyish brown very sandy clayey subrounded fine to coarse GRAVEL of predominantly limestone with low cobble content. Sand is fine to coarse. Cobbles are subrounded of limestone.	13
14.00	ES25	Hammer SN = 13	398						0.00		1 1
14.00	£323								101		-
									,0,0,0	:	
4.70 - 15.00	B12						-9.58	14.70	A. O. O.	:	
								Ē		Very stiff greyish brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is subrounded fine to coarse of predominantly	
5.00 - 16.50	B13						-9.88	15.00		limestone. Very stiff brown slightly sandy slightly gravelly CLAY. Sand is fine to	15
										coarse. Gravel is subangular fine to coarse of various lithologies.	
											15.
											ш
											16
											ш
6.50 - 18.00			T						===		16.
6.50 - 16.82	SPT(C) N (10,15/5										
	175mm) Hammer						-			17.
	SN = 13	100	0 0	0	N/A			-			
								-			17
18.00			+	\vdash	_		-12.88	18.00	0.5	Very stiff brown and dark greyish brown slightly sandy gravelly CLAY	18
8.00 - 19.50	C15								a 00 0	with low cobble content. Sand is fine to coarse. Gravel is subangular	
									4 00 9	fine to coarse of various lithologies.	18
			R SCR		FI						
ruck at (m) Cas		Strikes Time (min) Ros	e to (r	-	emar		ction pit ex	rayated to	1 20m		
THE ST (III)	,	, ranc (may no	, c to (1				r encounter		1.20m.		
Caster D	tall-	18/24 0 1	ded								
To (m) Dia	rtails am (mm)	From (m)	ded fo (m)	-							
15.00	183		30.20								
30.20	146			C	ore	Barrel	Flush	Туре	Terminat	on Reason Last Updated	
						(6L	Wat		Tarrainata	at scheduled depth. 08/03/2023	AC

		AUS	F	W		Y				ct No. 0874	Client:	Name: Dublin Central Ground Investigation Borehole Dublin Central GP Ltd DC-BH10
5	-	G	EC	OTE	EC	Н			22-(7074	Client's	100000000000000000000000000000000000000
Meth	od	Plant U	Jsed		Тор	(m)	Base	(m)	Coord	linates		Sheet 3 of
Sonic Dr Rotary C	_	Fraste X Fraste X				00 .50	16. 30.		71571	4.67 E	Final De	pth: 30.20 m Start Date: 29/12/2022 Driller: SJ / AG Scale: 1:5
									73481	0.41 N	Elevatio	n: 5.12 mOD End Date: 30/12/2022 Logger: LN+RW FINAL
Depth (m)		/ Field Records	TCR	SCR	RQD	FI	Cosing Depth (m)	Water Depth (m)	mOD	Depth (m)	Legend	Description Backfill
18.00 - 18.20 19.50 19.50 - 21.00	110mm/ 89mm) H = 1398		100	0	0	N/A			-14.68	(1.80)		Very stiff brown and dark greyish brown slightly sandy gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is subangular fine to coarse of various lithologies.
			100	49	27	4			-14.00	15.60		Weak (locally medium strong) black argillaceous LIMESTONE with occasional white calcite veins and pyrite. Partially weathered: slightly reduced strength, staining on some fracture surfaces. Discontinuities: 1. 10 to 20 degree bedding fractures, typically closely spaced becoming medium in places (20/60/800) planar, smooth. 2. 80 to 90 degree joints, undulating, rough, with heavy orangish
21.00			100	43	8	18						brown staining on most surfaces and occasional white quartz. 19.80m to 20.20m: Extremely weak 21.60m to 21.70m: Extremely weak
22.50			100	23	10	10						
23.40			100	30	0	14				(10.40)		
24.20			100	67	48	1 15						24 90m to 25 20m. Extromely weak
25.70			100	70	59	8						
27.20			TCR	SCR	ROD	FI						
	Water	Strikes	HON	SUR	ROD		Chis	elling	Details		Remarks	
truck at (m) C		Time (min)	Rose	to (n	n) F	rom (To (r		e (hh:mm)	Hand dug	inspection pit excavated to 1.20m. water encountered.
Casing D To (m) D		Water From (m) 0.00	То	ed (m)								
30.20	146					Core	Barr	el	Flush	Туре	Terminat	ion Reason Last Updated
						S	K6L		Wat	er	Terminate	d at scheduled depth. 08/03/2023

	2								Proje	ct No.	Project	Name: Dublin C	entral Grou	ind Investigat	ion		В	orel	ole	ID
		CAUS	E	W	A	Y			22-0	874	Client:	Dublin C	entral GP L	td			D	C-B	Н1	05
	9 -		GEC	TI	ECI	Н					Client's	Rep: Waterma	an							
Met	thod	Plant	Used		Тор	(m)	Base	m)	Coord	inates							S	heet	40	f 4
Sonic [-	Fraste)			0.	00	16.5	0	74574	4.67.5	Final De	pth: 30.20 m	Start Date:	29/12/2022	Driller:	SJ / AG		Scale		
Rotary	Coring	Fraste)	(L Du	0	16	.50	30.2			4.67 E 0.41 N	Elevatio	n: 5.12 mOD	End Date:	30/12/2022	Logger	LN+RW		EIN	IAL	
											Elevatio	II. 3.12 IIIOD	End Date.	30/12/2022	LOGGET.	LINTINA	_	111	VAL.	1
Depth (m)	Sample	s / Field Records	TCR	SCR	RQD	FI	Casing 5 Depth 6 (m)		Level mOD	Depth (m)	Legend			cription			Water	Bac	kfill	
												Weak (locally medic occasional white ca							Ε:	28.0
			100	95	95							reduced strength, st	taining on son	ne fracture surfa	ces.				H:	
.70												Discontinuities: 1. 10 to 20 degree b	nedding fractu	res typically clo	selv snaced	4				28.5
												becoming medium	in places (20/6	60/800) planar, s	mooth.				Ħ.	29.0
						4						80 to 90 degree jobrown staining on n							H	23.0
			100	97	82													•		29 5
																			H	
																		: ::		30.0
.20								-3	25.08	30.20			End of Bore	hole at 30.20m						
																				30.5
																				31.0
																				31.5
																				32:0
																				32.5
																				33.0
																				33.5
																				33.3
																				34.0
																				34.5
																				(
																				35.0
																				35.5
																				36.0
																				36.5
																				37.0
		· · ·	TCR	SCR	RQD	_			:											
ck at (m)		r Strikes n) Time (min)	Rose	to (n	n) Fr		Chise m)	ling D To (m)	_	(hh:mm)	Remarks Hand dug	inspection pit excavat	ted to 1.20m							
		, , , ,										water encountered.	and on the							
	Details	Water																		
15.00	Diam (mm 183	0.00		(m) 0.20	-															(
30.20	146				(Core	Barre		Flush 1	Гуре	Terminat	ion Reason				Last Up	date	ed		ī
						Ç	K6L		Wat	or	Terminate	d at scheduled depth				08/03/	2023	.	A	2

										I I	
	C	AUSE	W	AY			22-0	0874	Client:	Dublin Central GP Ltd	C-BH106
	7 -	——GEC)TE(CH					Client's	Rep: Waterman	
Method	d	Plant Used	To	op (m)	Base	(m)	Coord	inates			neet 1 of 3
Sonic Drill		Fraste CRS-XL D	_	0.00	15.	-			Final De	pth: 25.00 m Start Date: 26/11/2022 Driller: KW / AG	icale: 1:50
Rotary Cor	ring	Fraste CRS-XL D	uo	15.00	25.	00	71575			CMC	
							73475	3.61 N	Elevatio	n: 4.99 mOD End Date: 28/11/2022 Logger: +RW	FINAL
Depth (m)	Sample / Tests	Field Rec	ords		Casing Depth (m)	Water Depth (m)	Level	Depth (m)	Legend	Description	Backfill
					-		4.89	0.10	*******	CONCRETE	m
										MADE GROUND: Greyish brown slightly sandy slightly silty subangular to subrounded fine to coarse GRAVEL of various	
	ES2									lithologies with low cobble content and fragments of concrete and	0.5
30	LJE							Ē		red brick. Sand is fine to coarse. Cobbles are rounded of limestone.	HIII
	ES										11
00	ES3										HH.
50 - 1.95		N=12 (1,3/2,3,3,4)	Hamm	ner SN =	1.50		3.49	1.50	-	MADE GROUND: Firm dark greyish brown slightly sandy gravelly CLAY	H 1
		1398								with low cobble content and fragments of concrete and red brick.	H
00	ES1							_		Sand is fine to coarse. Gravel is subangular fine to coarse of various lithologies. Cobbles are subrounded of limestone.	- FI 1: 2.1
00 - 2.50	В9									- The state of the	
50 - 3.00	B10										HILL
30 - 3.00	010										HIII
,	FC										
	ES ES4						1.99	3.00		MADE GROUND: Medium dense dark greyish brown slightly gravelly	; .;; ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
00 - 3.45	SPT (C)	N=22 (2,3/3,4,7,8)	Hamm	ner SN =	3.00	5.50	1.59	3.40		clayey fine to coarse SAND. Gravel is subangular fine to coarse of various lithologies.	HIII
50 - 4.00	B11	1398					2.00	5.10		MADE GROUND: Dark greyish brown slightly sandy clayey subangular	:HI : 3
							1.09	3.00		fine to medium GRAVEL of various lithologies. Sand is fine to coarse.	:HII:
00	ES5						1.09	3.90	4 00 8	Stiff orangish brown slightly sandy gravelly CLAY with low cobble	:H: : 41
									4 0° 2	content. Sand is fine to coarse. Gravel is subangular fine to coarse of various lithologies. Cobbles are subrounded of limestone.	H
50 - 5.00	B12						0.49	4.50	0 - n	Light brown very sandy clayey subangular fine to coarse GRAVEL of	·H: : 4
									-	various lithologies. Sand is fine to coarse.	HH
00 - 5.45	SPT (C)	N=30 (5,6/6,7,8,9)	Hamm	ner SN =	4.50	4.50	-0.01	5.00			
		1398								Stiff to very stiff light greyish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subrounded fine to coarse of	H
										various lithologies.	
70 - 6.00	B13										
ento noncero											
00 - 6.40	B14						-1.01	6.00	0,0,0	Light greyish brown very sandy clayey subrounded fine to coarse	6.0
									40,00	GRAVEL of predominantly limestone with medium cobble content. Sand is fine to coarse. Cobbles are subrounded of limestone.	
.50 - 7.00	B15								10,00		H 63
									10,000		
	ES ES6						-2.01	7.00	4 (0)	Firm light greyish brown slightly sandy gravelly CLAY. Sand is fine to	7.0
	230									coarse. Gravel is subrounded fine to coarse of predominantly limestone.	HIII
1010000	B16	N. DE IS SIZE					-2.51	7.50		Medium dense light greyish brown very sandy slightly clayey fine to	7.
50 - 7.95		N=35 (6,6/7,9,9,10 = 1398) Hamr	mer SN	7.50	ь.00				medium GRAVEL of predominantly limestone.	
00 - 8.50	B17										: H 3 87
50 - 9.00	B18										
									* * * * * * * * * * * * * * * * * * * *	Medium dense becoming dense dark brownish grey sandy clayey	HI
.00 - 9.17	SPT (C)	N=28 (6,9/28 for 2	2mm)		9.00	6.00	-3.91	8.90	** · · · · · · · · · · · · · · · · · ·	subrounded fine to coarse GRAVEL of predominantly limestone with	H 🗓 .
		Hammer SN = 1398							*0.	medium cobble content. Sand is fine to coarse. Cobbles are subrounded of limestone.	
I -		Strikes		Rema							
ick at (m) Cas	ing to (m	Time (min) Rose	to (m)	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-		on pit exc		1.20m.		
				, to gio	J. IUW	JIEI C	counter	-Wi			
Casing De		Water Adde									
To (m) Dia 15.00	am (mm) 146		(m) .00								
	146			Core	Barre	el	Flush	Type	Terminat	on Reason Last Updated	1
25.00										Last opuated	

	1	AUS	E	M	//	v			Proje			Name: Dublin Central Ground Investigation Both Both Both	
	7	AUS	GEO	TC	EC	Н			22-0	1874	Client:	Dublin Central GP Ltd DC-B	HIO
					_		_			-	Client's	•	
Metho Sonic Dri		Fraste CRS			-	(m) .00	_	(m) .00	Coord	inates	Final De	oth: 25.00 m Start Date: 26/11/2022 Driller: KW / AG	2 of 3 : 1:50
Rotary Co	-	Fraste CRS				.00		.00	71575			Chic	
2 1							faile			3.61 N	Elevatio	1: 4.99 mOD End Date: 28/11/2022 Logger: +RW FIN	IAL
Depth (m)	Sample / Tests	Fie	eld Re	cords			Casing Depth (m)	Water Depth (m)	mOD mOD	Depth (m)	Legend	Description \$\frac{\frac{\partial}{\partial}}{\partial}\$ Back Medium dense becoming dense dark brownish grey sandy clayey	kfill
0.50 - 10.00	B19 ES7											subrounded fine to coarse GRAVEL of predominantly limestone with medium cobble content. Sand is fine to coarse. Cobbles are subrounded of limestone.	9.5
0.50 - 11.00 0.50 - 10.52		N=32 (20 for Hammer SN			for 18	ßmm)	10.5	5.00					10.5 11.0
1.50 - 12.00													11.5
		N=50 (9,12/5 Hammer SN			m)		12.0	5.00					12.5
3.00 3.00 - 13.50									-8.31	13.30	10° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0	Very stiff light brownish grey slightly sandy gravelly CLAY. Sand is fine	13.0
3.50 - 13.52 4.00 - 14.50		N=32 (23 for Hammer SN			for 18	imm)	13.5	5.00				to coarse. Gravel is subrounded fine to coarse of predominantly limestone.	13.5
14.50	524												14.5
5.00 - 15.04	20mm/					N/A	13.5	5.00	-10.01 -10.16	15.13		Very dense brownish grey slightly sandy slightly clayey subangular to subrounded fine to coarse GRAVEL of limestone. Sand is fine to coarse. Extremely weak (locally very weak) thinly to thickly laminated dark	15.0
	- 1330		100	75	56	4				(1.90)		grey LIMESTONE with occassional white calcite veins (up to 25mm thick). Moderately weathered: significantly weakened, closer fracture spacing, orangish brown discolouration penetrating in (up to 10mm) from some fracture surfaces, completely weathered leaving slightly sandy gravelly clay from 15.50-15.90m and 16.55-17.00m.	16.0
6.50												Discontinuities: 1. 5-20 degree fractures at 15.40m, 15.50m, 15.95m, 16.40m,	16.5
			100	68	59				-12.06	17.05		16.45m and 16.55m, planar, predominantly smooth, orangish brown staining on fracture surfaces. 2. 75-90 degree joints from 15.15-15.35m, 16.00-16.25m, undulating, rough, orangish brown staining on joint surfaces. Medium strong thinly to thickly laminated dark grey LIMESTONE with occasional white calcite veins (up to 10mm thick) and rare	17.0
8.00												laminations rich in brassy yellow pyrite. Slightly weathered: slightly reduced strength, slightly closer fracture spacing, orangish brown discolouration on some fracture surfaces. Discontinuities:	18.0
			TCR	SCR	RQD	FI						.23	18.5
	Water	Strikes				ema	rks						
uck at (m) Ca	sing to (m) Time (min)	Rose	to (n	-				ion pit exc encounter		1.20m.		
Casing De	taile	Water	Add	od	-								
To (m) Dia	am (mm)	From (m)	To	(m)									
15.00 25.00	146 146	0.00	2	5.00	- 4	Core	Barr	el	Flush 1	Гуре	Terminat	on Reason Last Updated	
						SI	K6L		Wate	er	Terminate	at scheduled depth. 08/03/2023	AG

	CA	US G	EC	VV OT E	A	Y			oject N 2-087		Project Client: Client's		entral GP L		ion			orehole C-BH10
Metho		Plant U			_		Base (ordinate	es	Final De	nth: 25.00 m	Start Date:	26/11/2022	Driller	KW / AG	S	heet 3 of
Sonic Dri Rotary Co	-	aste CRS- aste CRS-			15.		15.0 25.0	0 715	753.69 753.61		Elevatio			28/11/2022	Logger:	CMc		Scale: 1:5
Depth (m)	Samples / Fiel	ld Records	TCR	SCR	RQD	FI	Casing V Depth 0	rater Leve		pth n)	Legend		Des	cription		******	Water	Backfill
9.50				100			(control of control of			.,		Medium strong thin occasional white callaminations rich in I reduced strength, si discolouration on so Discontinuities: 1. 5-20 degree bedd predominantly smo fracture surfaces. 2. 45-55 degree join	lcite veins (up brassy yellow lightly closer f ome fracture s ding fractures both, patchy of	to 10mm thick) pyrite. Slightly w racture spacing, surfaces. closely spaced (5 rangish brown st	and rare eathered: orangish b 5/130/420 aining on s	slightly brown), planar, some	>	
1.00				100		8			(7.	95)		rough, orangish bro 3. 70-90 degree joir undulating, rough, o	own staining on ts from 21.80	n joint surfaces. -22.05m and 23.	20-23.50n	n,		
2.50			100	100	65													
24.00			100	100	85													
25.00								-20.0	1 - 25	.00			End of Bore	hole at 25.00m				2
	Water Str	rikos	TCR	SCR	RQD	_	Chico	lling Deta	ile		Remarks							2
Casing D	asing to (m) Ti	me (min)	Add		n) F				Time (hh:n	nm)	Hand dug	inspection pit excava Iwater encountered.	ted to 1.20m.					
25.00	146						Barre K6L		sh Type			ion Reason	i.			08/03/2		Pr-

	C	GEOT	AY ECH			0874	Project Name: Dublin Central Ground Investigation Client: Dublin Central GP Ltd Client's Rep: Waterman	DC-BH107
Metho		Plant Used	Top (m)) Coor	dinates	Final Depth: 25.00 m Start Date: 24/11/2022 Driller: KW /	Sheet 1 of 3
Sonic Dril Rotary Co	-	Fraste CRS-XL Duo Fraste CRS-XL Duo	0.00 15.00	15.00 25.00		34.04 E 48.38 N	Elevation: 4.99 mOD End Date: 26/11/2022 Logger: CMc	Scale: 1:50 FINAL
Depth (m)	Sample / Tests	Field Records		Casing Wate Depth Depti (m) (m)	Level	Depth (m)	Legend Description	te Backfill
.00 - 4.50	B1				4.79	0.20	CONCRETE	
.50	ES7						MADE GROUND: Soft dark brown slightly sandy gravelly CLAY with low cobble content and fragments of concrete and red brick. Sand i fine to coarse. Gravel is subangular fine to coarse of various lithologies. Cobbles are rounded of limestone.	s
.00	ES8							1.0
.50 - 2.00 .50 - 1.95	B15 SPT (C)	N=19 (1,2/3,3,6,7) Har 1398	nmer SN =	1.50 1.5	3.49	1.50	MADE GROUND: Stiff light brown slightly sandy gravelly SILT with fragments of red brick. Sand is fine to coarse. Gravel is subangular fine to coarse of various lithologies.	1.5
.00 .00 .50 - 3.00	ES ES9 B16							2.0
.00	ES10				1.99	3.00		
.00 - 3.45	SPT (C)	N=17 (2,3/5,5,4,3) Har 1398	nmer SN =	3.00 2.0		3.00	Medium dense light brown sandy clayey subangular fine to coarse GRAVEL of various lithologies with low cobble content. Sand is fine coarse. Cobbles are subrounded of limestone.	
	B17							
00 00 00 - 4.45		N=27 (6,7/6,8,6,7) Han	nmer SN =	4.00 3.0	D			
50 - 5.00 50 - 5.00 50 - 6.00 00 - 5.45	ES18 U31 B2 SPT (C)	N=29 (4,6/6,7,7,9) Han	nmer SN =	5.00 4.5	0			5.0
70 - 6.00	B19	2330			0.71	5.70		5.5
00 - 6.40 00 - 6.50	B20 B3				-0.71	6.00	Stiff light brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse of various lithologies. Bluish grey sandy slightly clayey subrounded fine to medium GRAVE	L 6.0
50 - 10.50 50 - 7.00	B4 B21				-1.41	6.40	of predominantly limestone. Sand is fine to coarse. Stiff light brown slightly sandy gravelly CLAY with low cobble contents Sand is fine to coarse. Gravel is subrounded fine to coarse of various	
00	ES12						lithologies. Cobbles are subrounded of limestone.	
50 - 8.00 50 - 7.95		N=34 (5,6/8,8,8,10) Ha = 1398	mmer SN	7.50 4.5	-2.51	7.50	Dense light greyish brown slightly clayey gravelly fine to coarse SAN Gravel is subrounded fine to medium of predominantly limestone.	D. 79
00 - 8.50	B23	2550			-3.01	8.00	Very stiff light greyish brown slightly sandy slightly gravelly CLAY. Sai is fine to coarse. Gravel is subrounded fine to coarse of	nd 8
50 - 9.00	B24				-3.51	8.50	predominantly limestone. Dark greyish black slightly sandy subangular fine to coarse GRAVEL predominantly limestone with low cobble content. Sand is fine to coarse. Cobbles are subangular of limestone.	of 8
00 - 9.15		N=50 (25 for 75mm/50 75mm) Hammer SN = 3		9.00 4.5	-4.01	9.00	Dense greyish brown very sandy clayey subrounded fine to coarse GRAVEL of predominantly limestone with low cobble content. Sand fine to coarse. Cobbles are rounded of limestone.	is 9.0
	Water	Strikes	Rema	rks				
uck at (m) Cas	ing to (m	Time (min) Rose to (r		-	ction pit ex r encounte		.20m.	
Casing De	tails	Water Added	-					
	am (mm) 183	From (m) To (m) 0.00 25.00						
25.00	150	23.00	Core	Barrel	Flush	Туре	ermination Reason Last	Updated

	C	AUS	E	W DTE	A	Y				ct No. 0874	Project Client: Client's		entral GP L		ion			oreho	
Metho Sonic Dri Rotary Co	lling	Fraste CRS Fraste CRS	-XL [Duo	0.	(m) .00	15	(m) .00	71573	4.04 E 8.38 N	Final De	•		24/11/2022	Driller:	KW / AG		Scale:	1:50
Depth	Sample /	Fie	eld Re	cords	_		Casing Depth	Water Depth	Level	Depth	Legend		Des	cription			ater	Back	611
(m) 9.50 - 10.00 10.00 10.50 - 11.00 10.50 - 12.50 10.50 - 12.50 10.50 - 12.50 11.50 - 12.50 11.50 - 12.50	ES ES13 B26 B5 SPT (C) B28 SPT (C) B6 ES ES14 B29 SPT (S)	N=40 (7,8/8, SN = 1398 N=31 (4,5/7, 1398 N=50 (5,8/50 Hammer SN	10,10 7,8,9),12) I) Ham	nmer		12.0	4.50	-7.01 -7.51	12.00 12.50	Legend	Dense greyish brow GRAVEL of predomi fine to coarse. Cobb Dense greyish brow is subrounded fine t Very stiff greyish bro gravelly sand (2-5m fine to coarse of pre	n very sandy nantly limesto les are round n very gravell o medium of own slightly sa m). Sand is fir	clayey subrounde clayey subrounde one with low cob ed of limestone. y clayey fine to co predominantly li andy gravelly CLA ee to coarse. Grav	parse SAN mestone.	D. Gravel	Water	Backt	9.5 11.0 11.1 11.1 11.1 11.1 11.1 11.1 11
16.50			95	95	91	9			-10.01	15.00		Extremely weak (loc grey and brown LIM 10mm thick). Highly on most fracture sure in the control of the control	ing fractures, closer ling fractures, closer ling fractures, cinfill on most ts from 15.25 ll on joint sufficient line line line line line line line line	closely spaced (t fracture spacing closely spaced (t fracture surface -15.50 and 15.50 aces. aces. aces. spawol in a matrix of g aminated dark gr to 30mm thick). closer fracture s surfaces. s, closely spaced taining on some 21.00m, smooth	and the very strength, comments of the very strength, comments of the very strength of the ve	ONE with eathered: angish			15.0 15.1 16.5 17.0 17.5
Casing De	etails	Strikes) Time (min) Water From (m)	Rose Add	ed (m)	n) H	Rema	dug in		ion pit exe	cavated to	1.20m.								18 9
15.00 25.00	183 150	0.00	25	5.00	-	Core	Barr	el	Flush	Туре	Terminat	ion Reason				Last Up	date	d	_
							K6L	**	Wat			d at scheduled depth.				-	2023		

									Proje	ct No.	Project	Name: Dublin Co	entral Grou	nd Investigati	ion		В	orehole II
	C	AUS							22-0	874	Client:	Dublin Co	entral GP Lt	td			D	C-BH107
	<i>"</i> —		GEC	OTE	EC	Н					Client's	Rep: Waterma	an					
Metho		Plant l			_		Base	-	Coord	inates	Fig. 1 D	nth. 35.00 -	Start Date	24/11/2022	Deiller	KW / AG	S	neet 3 of 3
Sonic Dri Rotary Co	_	Fraste CRS				.00	15. 25.		71573	4.04 E	Final De	pth: 25.00 m	Start Date:	24/11/2022	Driller:	KW / AG		Scale: 1:50
,										8.38 N	Elevatio	n: 4.99 mOD	End Date:	26/11/2022	Logger:	СМс		FINAL
Depth (m)	Samples /	Field Records	TCR	SCR	RQD	FI	Casting Depth (m)	Water Depth (m)	Level	Depth (m)	Legend			cription			Water	Backfill
												Medium strong thin occasional white cal						
			100	100	93							slightly reduced stree brown staining on se			pacing, or	angish		19.0
												Discontinuities:						
19.50												1. 10-25 degree bed planar, smooth, oran						19.5
												2. 80-85 degree join	t from 20.60-	21.00m, smooth				20.0
			100	100	95							orangish brown stai	ning on joint s	urface.				20.0
			100	100	33													20.5
21.00																		21.0
																		21.
			100	100	100	6				(8.50)								
																		22.0
22.50																		22.5
																		23.0
			100	100	81													
																		23.5
24.00																		24.0
24.00																		
			100	100	100													24.5
25.00									-20.01	25.00			End of Borel	hole at 25.00m				25.0
													Life of Bore	iole at 20.00m				
																		25.
																		26.0
																		26.5
																		27.0
																		27.5
																		E7.3
			TCR	SCR	RQD	FI												
l	Water 9		I D		, -				Details		Remarks							
ruck at (m) Ca	asing to (m)	Time (min)	Rose	to (n	n) Fr	rom (m)	To (m) Time	(hh:mm)		nspection pit excavat water encountered.	ed to 1.20m.					
C' -	-4-11	14 4	A -1 -1		_													
	iam (mm)	Water From (m)	То	(m)														
15.00 25.00	183 150	0.00	25	5.00		Core	Barre	el	Flush	Гуре	Terminat	ion Reason				Last Upo	date	d I
							K6L		Wat			d at scheduled depth.				08/03/2		A C

	C	AUSE	WAY			Project 22-0		Client:	Name: Dublin Co	entral Grou		1011			orehol C-BH:	
	9, -	——GEC	OTECH					Client's								
Metho	od	Plant Used	Top (n	n) Bas	se (m)	Coordi	inates		-					S	heet 1	of 3
Sonic Dri	_	Fraste XL Du	0.00	1	2.00	715649	71 5	Final De	pth: 25.50 m	Start Date:	03/01/2023	Driller:	KW / AG		Scale: 1	
Rotary Co	oring	Fraste XL Du	12.00) 2:	5.50	734731		Elevatio	n: 4.99 mOD	End Date:	05/01/2023	Logger:	CMc +SMC		FINA	L
Depth (m)	Sample / Tests	Field Re	ecords	Casin Depti (m)	Water Depth (m)	Level mOD	Depth (m)	Legend		Des	cription			Water	Backfill	
0.50 1.00 1.00 - 1.45	ES1 ES2 SPT (C)	N=17 (1,2/3,5,5,4 1398	i) Hammer SN	= 1.5	0 1.50	4.74	1.30		MADE GROUND: Bri to coarse GRAVEL of content. Sand is fine	f predominan e to coarse. Co	tly limestone wit obbles are subrou	h low cobl unded of li	ole mestone.			0.0
2.00	ES3					3.03			Stiff brown slightly s content. Sand is fine fine to coarse of pre of limestone.	to coarse. G	ravel is subangula	ar to subro	unded			2.
3.00 3.00 - 4.50 3.00 - 3.45	ES4 B8 SPT (C)	N=23 (2,4/6,5,5,7 1398	') Hammer SN	= 3.0	0 2.00											3.
4.50 - 6.00 4.50 - 4.95	B9 SPT (C)	N=21 (4,5/5,5,6,5 1398	i) Hammer SN	= 4.5	0 2.50	0.49	4.50		Stiff grey slightly gra fine to coarse. Grave predominantly lime	el is subangula	ar to subrounded	fine to co	arse of			
6.00 6.00 - 6.45	ESS SPT (S)	N=27 (3,5/6,6,7,8 1398	s) Hammer SN	= 6.0	0 3.00											6
7.00 - 8.00 8.00 - 9.00	B10					-2.51	7.50		Very stiff grey slight coarse. Gravel is sub predominantly lime	pangular to su						7.
9.00 9.00 - 10.00 Struck at (m) Ca		Strikes) Time (min) Rose	e to (m) Han		inspecti	on pit excencounters		1.20m.								8.
Casing Do		Water Add	led	ground	watere	ncountere	eu.									
12.00	183 146		5.50				,									
25.50	146		Co	re Ba	rrel	Flush T	уре	Terminat	ion Reason				Last Upo	date	d	
			1	SK6L	- 1	Wate			d at scheduled depth.					2023		

	20									ct No.	Project	Name: Dublin C	entral Grou	ınd investigat	ion			oreh		
4		CAUS	E	W TC	A	Y			22-0	0874	Client:	Dublin C	entral GP L	td			D	C-B	H1	80
			3 = (П					Client's	Rep: Waterma	an							
Meth Sonic D		Plant (_	(m) .00	Base (-	Coord	linates	Final Depth: 25.50 m Start Date: 03/01/2023 Driller: KW							sheet Scale		
Rotary (Coring	Fraste X	(L Du	10	12	2.00	25.5	D		5.71 E 1.67 N	Elevation: 4.99 mOD End Date: 05/01/2023 Logger: CMc +SMC								IAL	
Depth (m)	Sample / Tests	Fi	eld Re	ecords			Casing W Depth D (m)	uter epth (m)	Level	Depth (m)	Legend		Des	cription			Water	Bac	kfill	
9.00 - 9.45		N=32 (4,6/7	,7,8,1	(0) Ha	mme	er SN		_		(,		Very stiff grey slight					>		1:	95
		= 1398										coarse. Gravel is sub predominantly lime		ibrounded fine to	coarse o					
10.00 - 11.0	0 B13																			10.0
10.50 - 10.7	2 SPT (S)	N=50 (20,5/	50 fo	r 75m	m)		10.5 3	50												10.5
		Hammer SN	= 139	98																
11.00 - 12.0	0 B14																			11.0
										Ē										
										Ē										11.5
12.00	ES7						12.0 3.	00	-7.01	12.00	a 00 g	Very stiff greyish bro	own slightly sa	andy gravelly CLA	Y with lov	v cobble				12
12.00 - 13.5 12.00 - 12.4	0 C15	N-50							W. 10.00		A	content. Sand is fine various lithologies. (e to coarse. G	ravel is subangul	ar fine to					1
2.00 - 12.4	(25,0/5	(0,0,0,0									A 00 9	various innologies.	cooper are si	abrounded of fift	estone.					12.5
	Hamme	er SN = 1398	100	0	0	N/A				(1.50)	4 00 9							· · ·		
										-	4 00 9									13.0
											4 70 9								1	
3.50			-	\vdash		-			-8.51	13.50	4 700	Very stiff dark grey s	slightly sandy	gravelly CLAY wi	th low cob	ble				13.5
												content. Sand is fine limestone. Cobbles a	to coarse. G	ravel is angular fi	ne to coar	se of				
						N/A				(1.15)	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	weathered limeston		i illiestorie. (ros	sible mgm	y				14.0
			100	17	0						6 0 0 p									
									-9.66	14.65										14.5
									-9.00	14.03		Weak thinly to thick weathered: highly re						T.		
15.00												fracture surfaces, m								15.0
						18				(1.25)		Discontinuities:							1	
												 5-15 degree bedd planar, smooth, clay 								15.5
			100	80	49				-10.91	15.90		thick).								
									10.51	- 13.30		65-80 degree join undulating, rough.								16.0
												Medium strong thin occasional white cal								'
16.50												and occasional brass weathered: slightly i				spacing				16.5
													reduced stren	igen, slightly clos	ermacture	spacing.				
				y 2000								Discontinuities: 1. 0-20 degree bedd	ling fractures,	medium spaced	(20/220/	740),				17.0
			100	100	76							planar, smooth. 2. 70-90 degree join								
												24.90-25.35m, undu								17.5
0.00																				
.8.00																				18.0
			TCR	SCR	RQD	FI														18.5
	Wate	r Strikes				tema	rks													_
ruck at (m)	Casing to (m) Time (min)	Rose	e to (n			-			avated to	1.20m.									
					N	o gro	undwat	er er	ncounter	ed.										
Carl	Date He	14/		- A																
To (m)	Details Diam (mm	Water) From (m)	_	ed (m)																1
12.00 25.50	183 146	0.00	_	5.50		_														_
23.30	140					Core	Barrel		Flush 1	Гуре	Terminat	ion Reason				Last Up	date	d	L	I
						S	K6L		Wat	er	Terminated	d at scheduled depth.				08/03/	2023		ΔI	H

	C	AUS	E	VV OT E	A	Y				ct No.)874	Project Client: Client's	Name: Dublin Central Ground Investigation Dublin Central GP Ltd DC-BH108 Rep: Waterman
Meth		Plant l				_	Base	_	Coord	inates	Final De	Sheet 3 of 3
Sonic D Rotary (100	Fraste X Fraste X			12.		12.00 25.50		71564 73473	5.71 E 1.67 N	Elevatio	Scale: 1:50
Depth (m)	Samples	/ Field Records	TCR	SCR	RQD	FI	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description $\begin{tabular}{c c} $\dot{b} \\ \hline & \\ \hline \\ \hline$
9.50			100	100	93							Medium strong thinly to thickly laminated dark grey LIMSTONE with occasional white calcite veins (up to 35mm thick) at 70-90 degrees and occasional brassy yellow pyrite mineralisation. Slightly weathered: slightly reduced strength, slightly closer fracture spacing. Discontinuities: 1. 0-20 degree bedding fractures, medium spaced (20/220/740), planar, smooth. 2. 70-90 degree joints from 18.00-18.40m, 19.30-19.80m and
1.00			100	100	93							24.90-25.35m, undulating, rough.
22.50			100	100	73	5				(9.60)		22.4
24.00			100	100	91							23.
			100	100	88							24. 25)
.50									-20.51	25.50		End of Borehole at 25.50m 25.5 26.0 27.6
			TCR	SCR	RQD	_						27.9
ruck at (m)		r Strikes Time (min)	Rose	to (r	n) F			To (m	Details 1) Time	e (hh:mm)		inspection pit excavated to 1.20m. water encountered.
Casing I To (m) 12.00 25.50		Water) From (m) 0.00	To	ed (m) 5.50		Core	Barre	2	Flush	Type	Terminat	ion Reason Last Updated
							K6L		Wat			d at scheduled depth. 08/03/2023 AG

Metho	od	GEOTE Plant Used	Top (m)	_	m) Cod	2-0874 ordinates	Client's Final De	Sheet 1 of 4
Sonic Dri Rotary Co Geobo	ring -	Fraste CRS-XL Duo Fraste CRS XL Duo	0.00 19.50	19.5 35.0	715	729.20 E 937.66 N	Elevatio	Scale: 1:50
Depth (m)	Sample / Tests	Field Records		Casing M Cepth Co (m)	Level		Legend	Description Backfill
	ES SPT (C)	N=50 (50 for 48mm/50 20mm) Hammer SN = 1		1.50 D	1.90	0.20		MADE GROUND: Dense sandy slightly silty subangular to subrounded fine to coarse GRAVEL of various lithologies with low cobble content and fragments of red brick, rebar, concrete, plastic and wood. Sand is fine to coarse.
.00 .00 - 3.50 .00 - 3.22		N=50 (10,15/50 for 75n Hammer SN = 1398	nm)	3.00 2.	-0.90 00 -1.50			MADE GROUND: Very stiff light greyish brown slightly gravelly sandy CLAY with low cobble content and fragments of glass, wire and red brick. Sand is fine to coarse. Gravel is subangular fine to coarse of various lithologies. Cobbles are subangular of sandstone and limestone. Greyish brown very sandy slightly clayey subangular fine to coarse GRAVEL of various lithologies. Sand is fine to coarse.
1.00 1.00 - 4.50 1.50 - 5.00 1.50 - 4.95	B10 SPT (C)	N=20 (3,5/5,4,5,6) Ham 1398	nmer SN =	4.50 3.	-2.40 00 -2.90			Medium dense light brown slightly sandy slightly clayey subangular fine to coarse GRAVEL of various lithologies with low cobble content. Sand is fine to coarse. Cobbles are subrounded of sandstone. Light greyish brown very sandy slightly clayey subrounded fine to
5.50 - 6.00 5.00 - 6.45 5.50 - 7.00		N=27 (3,3/5,7,7,8) Ham 1398	nmer SN =	6.00 3.	00 -3.90	6.00		coarse GRAVEL of various lithologies with low cobble content. Sand is fine to coarse. Cobbles are subrounded of limestone. Medium dense grey slightly sandy slightly clayey subrounded fine to coarse GRAVEL of various lithologies with low cobble content. Sand is fine to coarse. Cobbles are subrounded of limestone.
2.00 2.50 - 8.00 2.50 - 7.95		N=46 (4,6/10,10,12,14) SN = 1398	Hammer	7.50 3.	-5.10 00	7.20		Dense grey slightly sandy slightly clayey subrounded fine to coarse GRAVEL of various lithologies. Sand is fine to coarse.
3.50 - 9.00	B14				-6.20	8.30		Very stiff light brownish grey slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse of various lithologies.
.00 - 9.45		N=40 (4,6/8,10,10,12) H SN = 1398	Hammer	9.00 2.	-6.90	9.00	20,0 - 0	Dense becoming very dense dark brownish grey sandy clayey subangular fine to coarse GRAVEL of predominantly limestone with medium cobble content. Sand is fine to coarse. Cobbles are subrounded of limestone.
Casing De	etails			dug insp	ection pit er encoun	excavated t tered.	o 1.20m.	
19.50 35.00	183 146	0.00 35.00	Core	Barrel	Flus	sh Type	Terminat	ion Reason Last Updated
			S	K6L	V	Vater	Terminated	d at scheduled depth. 08/03/2023

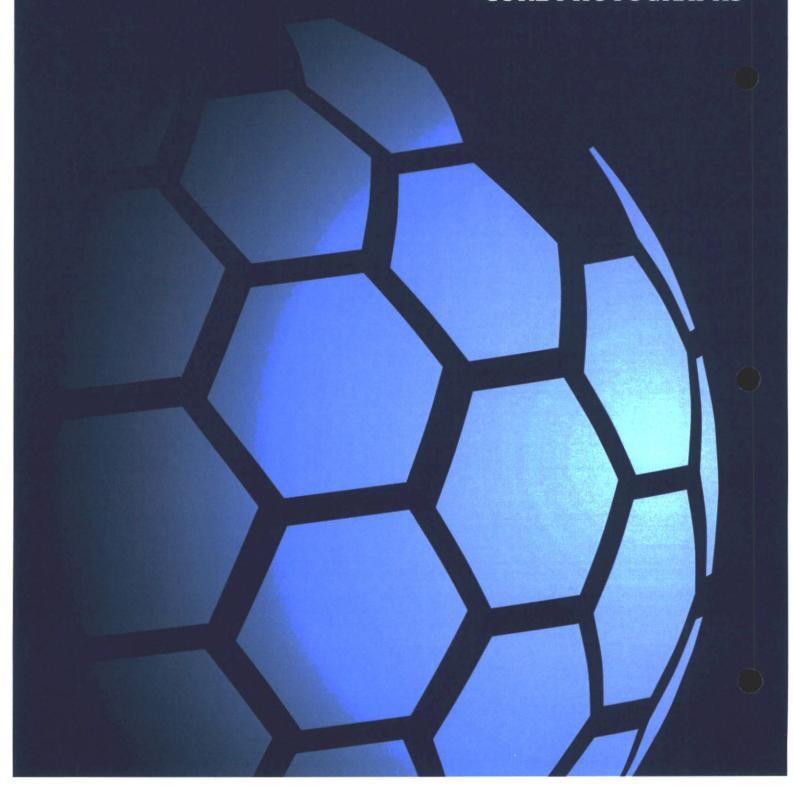
	2					Proje	ct No.	Project	Name: Dublin Co	entral Grou	nd Investigat	ion		Bore	ehole II				
	C	CAUSEW	/AY			22-0	0874	Client: Dublin Central GP Ltd							DC-BH110				
	, -	GEOT	ECH					Client's	Rep: Waterma	an									
Metho	d	Plant Used	Top (m)	Base	e (m)	Coord	inates		-					Shee	et 2 of 4				
Sonic Dril	-	Fraste CRS-XL Duo	0.00	19	.50	71577	9.20 E	Final De	pth: 35.00 m	Start Date:	21/11/2022	Driller:	KW / AG		le: 1:50				
Rotary Cor Geobor	_	Fraste CRS XL Duo	19.50	35	.00		7.66 N	Elevatio	n: 2.10 mOD	End Date:	23/11/2022	Logger:	СМс	C	INAL				
								Lievatio	2.10 11100	end bate.	23/11/2022	LOBSCI.	+RW		IIVAL				
Depth (m)	Sample / Tests	Field Records		Casing Depth (m)	Water Depth (m)	MOD mOD	Depth (m)	Legend		Des	cription			Water	ackfill				
9.50 - 10.00	B15							10 · · · · · · · · · · · · · · · · · · ·	Dense becoming ver subangular fine to c						9.				
								*O** O	medium cobble con subrounded of lime		ine to coarse. Co	obbles are			ш				
10.00	ES4							*** n **							10.				
								4000							ш				
10.50 - 11.00 10.50 - 10.88		N=50 (5,5/50 for 225n	nm)	10.5	2.00										10.				
10.50	51 1 (0)	Hammer SN = 1398	,	10.5	2.00			42.6 -0							ш				
								10, 01 0, 1							11				
11 50 13 00	D17							10°							ш				
11.50 - 12.00	DI/							10, 0							11				
00 - 12.30	B18					-9.90	12.00	t0, 0							12				
00 - 12.30	510								Grey slightly sandy s predominantly lime				ine to		12				
12.50 - 13.00	B19					-10.20	12.30	10 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	coarse. Cobbles are Dense brownish gre	subangular of	limestone.		/		12				
								10.0	of predominantly lin	mestone with	medium cobble	content. S							
13.00	ES5							10,00 m	ine to coarse. Cobb	nes are subrol	indea of timesto	nie.			13				
								*O. 0 - 0											
13.50	B20							400						þ	13				
13.50 - 14.00 13.50 - 13.95	B21 SPT (C)	N=48 (5,10/10,12,12,1	.4)	13.5	1.00			0,000						H					
		Hammer SN = 1398						0 - 0 -							14				
						-12.25	14.35	12, 30	Dense becoming ve	ny danca bee	mich grousses	and: eliate	the classes:						
14.50 14.50 - 15.00	B B22						E	10,000	subrounded fine to	coarse GRAVE	L of predomina	ntly limesto	one with		14				
								, of	low cobble content. of various lithologie		o coarse. Cobble	s are subr	ounded						
15.00 - 15.38	SPT (C)	N=36 (9,10/36 for 225 Hammer SN = 1398	mm)	15.0	3.00			10.							15				
15.50 - 16.00	B23							10											
13.30 - 10.00	023							10, -0							15.				
46.00	ES6							10° 0°							16				
								- 0 - 0 -											
16.50 - 17.00								100							16				
16.50 - 16.65	SPT (C)	N=50 (25 for 75mm/5) 75mm) Hammer SN =		16.5	3.50			10.5											
							-	10° -0							17				
								10,00											
								10,0							17.				
17.80 - 18.00					2 2/0	-15.70	17.80	0.00	Brownish grey slight										
18.00 - 18.38	SPT (C)	N=50 (15,10/50 for 22 Hammer SN = 1398	5mm)	18.0	3.00	-15.90	18.00	-	Gravel is subrounde Very dense dark bro	d fine to med	ium of predomi	nantly lime	stone.		18				
18.20 18.20 - 18.70	B B26								to coarse GRAVEL of										
															18.				
		r Strikes	Rema	arks															
truck at (m) Ca	sing to (n	n) Time (min) Rose to (ion pit exc encounter		1.20m.											
			g.																
Casing De		Water Added																	
19.50	am (mm 183	0.00 To (m) 0.00 35.00																	
35.00	146		Core	e Bar	rel	Flush	Туре	Terminat	ion Reason				Last Upo	lated					
				SK6L		Wat			d at scheduled depth.				08/03/2		40				

									Proje	ct No.	Project	Name: Dublin C	entral Grou	nd Investigat	on		В	oreho	le ID			
		AUS	E	W	A	Y			22-0	0874	Client:	Client: Dublin Central GP Ltd						DC-BH110				
	-	C	E C	DTI	EC	Н					Client's	Rep: Waterma	an									
Meth		Plant (-		Base	-	Coord	linates	Einal D	inth: 25.00	Start Date:	21/11/2022	Driller	KW / AG	S	heet 3	of 4			
Sonic Di Rotary Co	-	Fraste CRS Fraste CRS				.50	19. 35.		71572	9.20 E	Final De	eptn: 35.00 m	Start Date:	21/11/2022	Driller:	KW / AG		Scale: :	1:50			
Geob	_							734937.66 N		Elevatio	levation: 2.10 mOD End Date: 23/11/202				CMc +RW		FINA	AL.				
Depth (m)	Sample / Tests	Fie	eld Re	cords	3		Casing Depth (m)	Water Depth (m)	mOD	el Depth (m) Legend Description							Water	Backfil	II			
9.00 9.00 - 19.50	ES7 0 B27					-16.60 18.70 Very dense dark brownish grey slightly sandy clayey subrocoarse GRAVEL of predominantly limestone. Sand is fine to coarse. Gravel is subangular fine to coarse of prolimestone.						nd is fine t	o coarse. / LAY. Sand			19.0						
9.50 - 19.67	(11,14/		53	0	0	N/A		2.70	-17.40	(1.50)		Very stiff brownish g content. Sand is fine limestone. Cobbles	e to coarse. Gr	avel is subangula					20.0			
21.00			33		J	AZCI			-18.90	- 21.00		20.30-21.00: AZCL (Poss							20.5			
			97	97	87							Medium strong thin occasional white cal laminations rich in be reduced strength, sl discolouration on so Discontinuities:	lcite veins (up brassy yellow p lightly closer f	to 15mm thick) a pyrite. Slightly we racture spacing,	and occasi eathered:	onal slightly			21.5			
22.50												1. 10-25 degree bed planar, predominan some joint surfaces. 2. 60-75 degree join 22.30-22.35m, 23.8 27.00-27.15m and 2	tly smooth, pa its from 21.00 0-23.95m, 25.	etchy orangish br -21.25m, 21.50-2 35-25.40m, 25.5	own stain 21.75m, 0-25.65m,	ng on			22.5			
			97	97	83							orangish brown stai 3. 85-90 degree join brown staining on jo	ning on joint s it from 27.25-	urfaces.		100			23.5			
24.00																			24.0			
			100	100	79	8				(7.50)									24.5			
25.50																			25			
			97	97	60														26.5			
27.00			100	100	74														27.0			
			TCR	SCR	RQD	FI																
		Strikes	0-	40.1		ema																
uck at (m) C	asing to (m)	Time (min)	Kose	το (n	_				on pit exc ncounter		1.20m.											
	Details Diam (mm)	From (m)		ed (m)															-			
19.50 35.00	183 146	0.00	35	5.00		C	Dec	1 1	Florit 3	From to	Torreland	ion Bosses				I not the	dat-	d =				
	2.75				'		Barre	el	Flush 1			ion Reason				Last Upo						
1						S	K6L		Wate	er	Terminate	d at scheduled depth.				08/03/2	2023	Λ	۱H			

			EC) TE	EC	Н			22-0	0874	Client: Client's	Dublin Central GP Ltd DC-BH110 Rep: Waterman
Met Sonic (Plant U Fraste CRS			_	(m) 00	Base 19.	_	Coord	linates	Final De	pth: 35.00 m Start Date: 21/11/2022 Driller: KW / AG Sheet 4 of 4
Rotary (Geol	Coring -	Fraste CRS			19	.50	35.	00		9.20 E 7.66 N	Elevatio	n: 2.10 mOD End Date: 23/11/2022 Logger: CMc +RW FINAL
Depth (m)	Samples	/ Field Records	TCR	SCR	RQD	FI	Cosing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description Backfill
28.50			100	100	71				-26.40	28.50		Medium strong thinly to thickly laminated dark grey LIMESTONE with occasional white calcite veins (up to 15mm thick) and occasional laminations rich in brassy yellow pyrite. Slightly weathered: slightly reduced strength, slightly closer fracture spacing, orangish brown discolouration on some fracture surfaces. Discontinuities: 1. 10-25 degree bedding fractures, closely spaced (5/155/490), planar, predominantly smooth, patchy orangish brown staining on some joint surfaces. 2. 60-75 degree joints from 21.00-21.25m, 21.50-21.75m, 22.30-22.35m, 23.80-23.95m, 25.35-25.40m, 25.50-25.65m,
30.00			97	100	93							27.00-27.15m and 28.35-28.50m, planar, predominantly smooth, orangish brown staining on joint surfaces. 3. 85-90 degree joint from 27.25-27.45m, undulating, rough, orangish brown staining on joint surface. Medium strong thinly to thickly laminated dark grey LIMESTONE with frequent white calcite veins (up to 25mm thick) and occasional laminations of brassy yellow pyrite. Slightly weathered: slightly reduced strength, slightly closer fracture spacing, orangish brown staining on some fracture surfaces.
31.50			100	100	88	6				(6.50)		1. 10-25 degree bedding fractures, closely spaced (25/200/370), planar, smooth, patchy orangish brown staining on some fracture surfaces. 2. 60-75 degree joints from 29.50-29.55m, 30.90-31.10m, 33.00-33.15m, 33.15-33.30m and 34.55-34.75m, planar, rough, patchy orangish brown staining on joint surfaces.
33.00			100	100	65							33.6 34.6
34.50			100	100	68							34.5
35.00									-32.90	35.00		End of Borehole at 35.00m
	Water	Strikes	TCR	SCR	RQD	FI	Chis	elling	Details		Remarks	37.0
		Time (min) Water			n) F	rom (To (m		e (hh:mm)	Hand dug	inspection pit excavated to 1.20m. dwater encountered.
To (m) 19.50	Diam (mm 183		To	ea (m) 5.00								
35.00	146					Core	Barr	el	Flush	Туре	Terminat	ion Reason Last Updated



APPENDIX C CORE PHOTOGRAPHS





DC-BH101 (15.00-16.50m)



DC-BH101 (16.50-18.00m)



DC-BH101 (18.00-19.50m)



DC-BH101 (19.50-21.00m)



DC-BH101 (21.00-22.50m)



DC-BH101 (22.50-24.00m)





DC-BH101 (24.00-25.50m)



DC-BH101 (25.50-27.00m)



DC-BH101 (27.00-28.50m)



DC-BH101 (28.50-30.00m)



DC-BH101 (30.00-31.50m)



DC-BH101 (31.50-33.00m)





DC-BH101 (33.00-34.50m)



DC-BH101 (34.50-36.00m)



DC-BH101 (36.00-37.50m)



DC-BH101 (37.50-39.00m)



DC-BH101 (39.00-40.00m)





DC-BH102 (15.00-16.50m)



DC-BH102 (16.50-18.00m)



DC-BH102 (18.00-19.50m)



DC-BH102 (19.50-21.00m)



DC-BH102 (21.00-22.50m)



DC-BH102 (22.50-24.00m)





DC-BH102 (24.00-25.50m)



DC-BH102 (25.50-27.00m)



DC-BH102 (27.00-28.50m)



DC-BH102 (28.50-30.00m)



DC-BH102 (30.00-31.50m)



DC-BH102 (31.50-33.00m)





DC-BH102 (33.00-34.50m)



DC-BH102 (34.50-35.00m)



DC-BH103 (16.50-18.00m)



DC-BH103 (18.00-19.50m)



DC-BH103 (19.50-21.00m)



DC-BH103 (21.00-22.50m)



DC-BH103 (22.50-24.00m)



DC-BH103 (24.00-25.50m)





DC-BH103 (25.50-27.00m)



DC-BH103 (27.00-28.50m)



DC-BH103 (28.50-30.00m)



DC-BH103 (30.00-31.50m)



DC-BH103 (31.50-33.00m)



DC-BH103 (33.00-34.50m)





DC-BH103 (34.50-35.00m)





DC-BH105 (15.00-16.50m)



DC-BH105 (16.50-18.00m)



DC-BH105 (18.00-19.50m)



DC-BH105 (19.50-21.00m)



DC-BH105 (21.00-22.50m)



DC-BH105 (22.50-23.40m)





DC-BH105 (23.40-24.20m)



DC-BH105 (24.20-25.70m)



DC-BH105 (25.70-27.20m)



DC-BH105 (27.20-28.70m)



DC-BH105 (28.70-30.20m)



CAUSEWAY

Report No.: 22-0874

DC-BH106 (15.00-16.50m)

Projecti Dublin Central

BH NO. DC-8H106



DC-BH106 (16.50-18.00m)



DC-BH106 (18.00-19.50m)



DC-BH106 (19.50-21.00m)



DC-BH106 (21.00-22.50m)



DC-BH106 (22.50-24.00m)



Dublin Central Ground Investigation

Report No.: 22-0874



DC-BH106 (24.00-25.00m)



DC-BH107 (15.00-16.50m)



DC-BH107 (16.50-18.00m)



DC-BH107 (18.00-19.50m)



DC-BH107 (19.50-21.00m)



DC-BH107 (21.00-22.50m)



DC-BH107 (22.50-24.00m)



Dublin Central Ground Investigation

Report No.: 22-0874



DC-BH107 (24.00-25.00m)



DC-BH108 (12.00-13.50m)



DC-BH108 (13.50-15.00m)



DC-BH108 (15.00-16.50m)



DC-BH108 (16.50-18.00m)



DC-BH108 (18.00-19.50m)



DC-BH108 (19.50-21.00m)





DC-BH108 (21.00-22.50m)



DC-BH108 (22.50-24.00m)



DC-BH108 (24.00-25.50m)



DC-BH110 (19.50-21.00m)



DC-BH110 (21.00-22.50m)



DC-BH110 (22.50-24.00m)



DC-BH110 (24.00-25.50m)



DC-BH110 (25.50-27.00m)



DC-BH110 (27.00-28.50m)





DC-BH110 (28.50-30.00m)



DC-BH110 (30.00-31.50m)



DC-BH110 (31.50-33.00m)



DC-BH110 (33.00-34.50m)

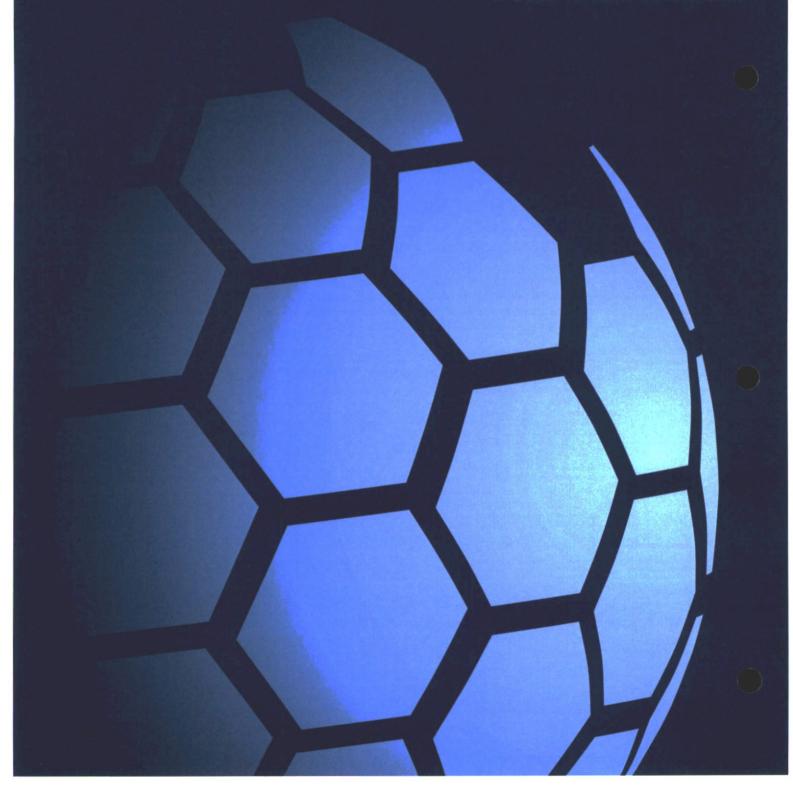


DC-BH110 (34.50-35.00m)

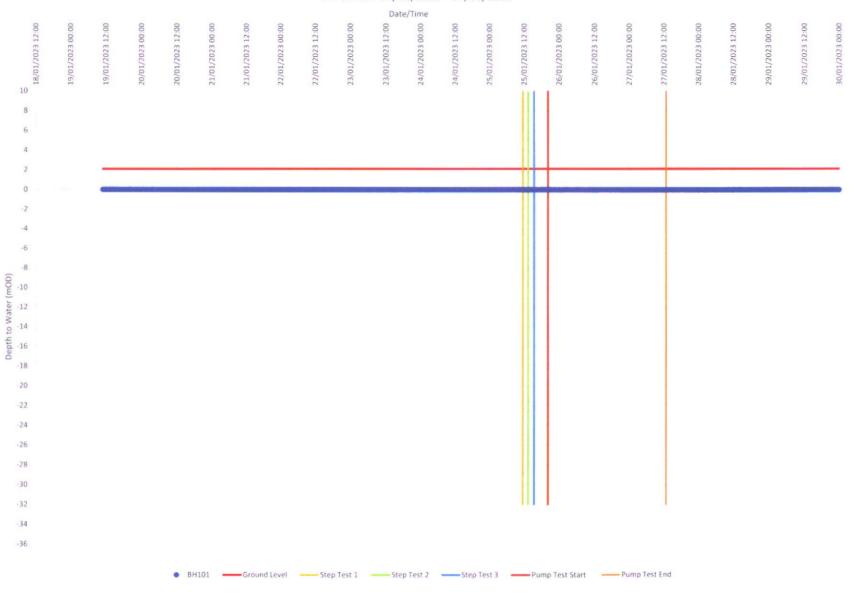




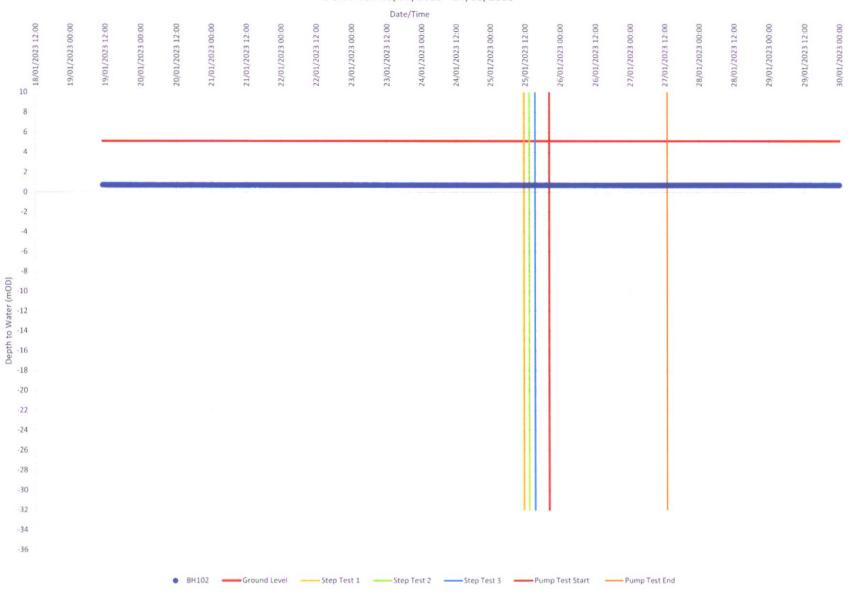
APPENDIX D
PUMP TEST RESULTS



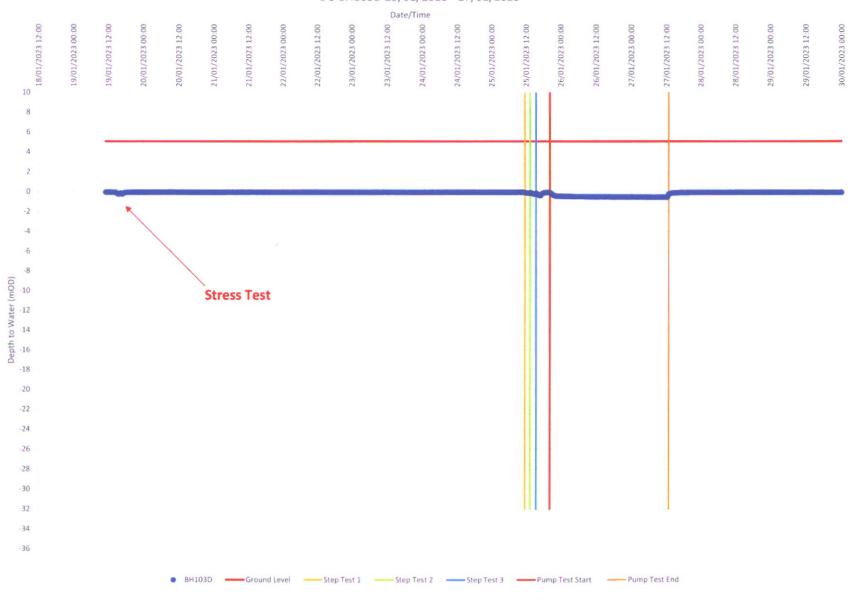
DC-BH101 25/01/2023 - 27/01/2023



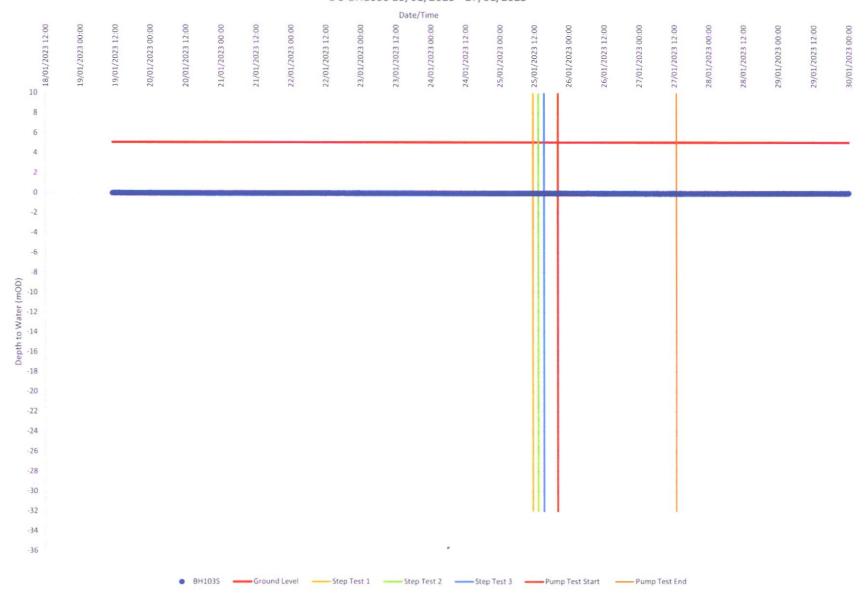
DC-BH102 25/01/2023 - 27/01/2023



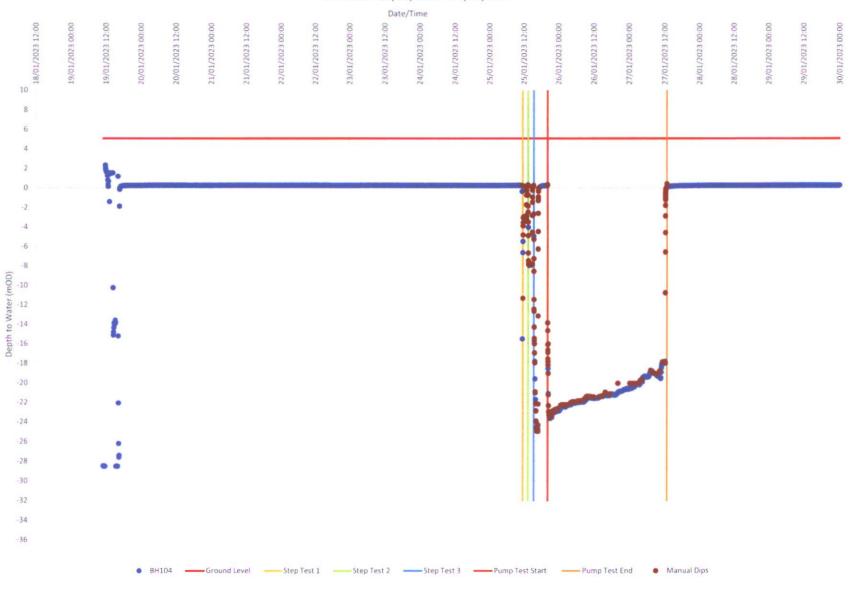
DC-BH103D 25/01/2023 - 27/01/2023



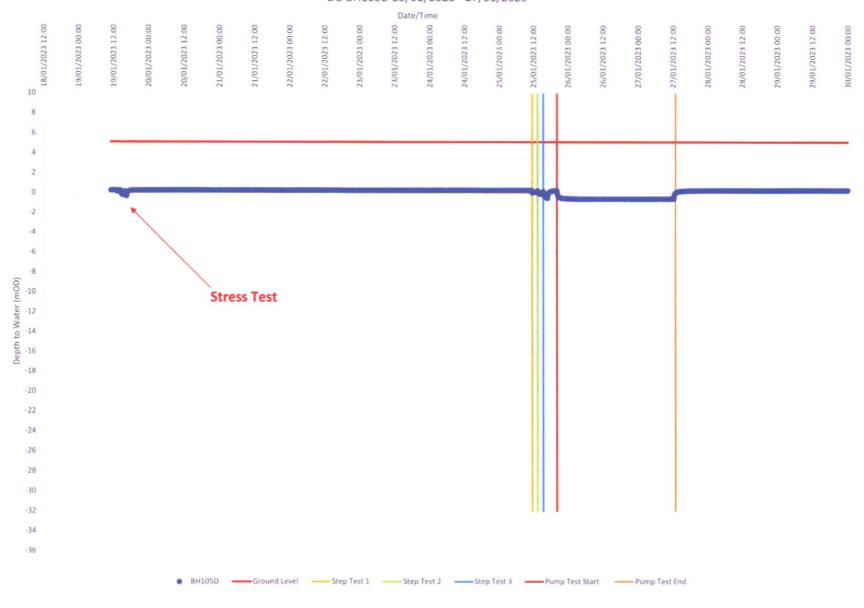
DC-BH103S 25/01/2023 - 27/01/2023



DC-BH104 25/01/2023 - 27/01/2023



DC-BH105D 25/01/2023 - 27/01/2023



DC-BH105S 25/01/2023 - 27/01/2023

