Appendix 4

Field Investigation Data

	-					KING PAGE	974 T S S S S S S				
Client :	Locatio	GREEN CITY DEVI				Aug	er Bo	oreho		Sheet 1	HA01
			(5.7, 102 2), 1 27	20011	Vane H	ead:	Logge	d By:	Process		of 24
Job Nu	mber:	J00862	—	×	175			_/LJ	LJ		2.02.18
Borehole	mN	mE	Ground R.L.		ס	(m)	ng evel	Pa)	ity	Sample	e and
Location:	Description:	Refer to site plan			Legend	Depth (m)	Standing Water Level	Vane Shear(kPa)	Soil Sensitivity	Laborator Tes	y / Other
		SOIL DESCRIPTION	ON			Ω	S W	Sh	Se	Deta	
TOPSOIL						-					
_ clayey SILT,	brown. stiff,	moist, low to medium plastici	ty, with minor limonite	[PUKETOKA		_					
FORMATION	NJ					- - 0.5				_	
hocoming ro	d/orange mot	ttled light grey, with minor org	ranic etaining		**************************************	-				Sampl	le 1
_ becoming re	d/orange mo	ttled light grey, with million of	game staming		(XXXXXXX (XXXXXXXX (XXXXXXXXXXXXXXXXXX	-				Disturb 0.5-1.	
becoming ver	ery stiff, insen	nsitive				- - 1.0		169/93	1.8		
-					**************************************	_					
silty CLAY, o	orange mottle	d light grey. Very stiff, moist,	medium plasticity, inso	ensitive	(-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	_					
_					<-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	- 1.5		134/73	1.8		
					<-x-x-x-x-x-x- <-x-x-x-x-x-x-x- <-x-x-x-x				5		
-					<-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x						
clayey SILT,	red mottled I	ight grey. Very stiff, moist, lo	w plasticity, moderatel	y sensitive	-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	- 2.0		195/71	2.7		
_						_					
_					**************************************	-	∇				
-					**************************************	- 2.5	\Box	140/37	3.8		
-						-					
_ _ at 3.0m, bed	oming stiff, w	vith minor limonite silt inclusio	ons		**************************************	- -3.0		78/20	3.9		
EOB at 3.0m	n. Target Dep	th.				-3.0 -		70/20	3.9		
_						_					
_						- - 3.5					
-						_			120		
						-					
_						- 4.0					
-						-					
-						-					
_						- 4.5					
_						_					
_						_					
_						- 5.0 -					
_						_					
_											
-						- 5.5 -					
-						_					
- -						- - 6.0					
		Comments:	Borehole Diameter:	Topsoil	Sa	1:		Sandston	e	Plutonic	::::::::
		Groundwater encountered 1 UTP = unable to penetrate.		Fill -	7777	avel	*****	Siltstone	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No Core	
LANI geotech	nical	EOB = end of borehole.	Checked:	Clay	XXXX	ganic mice	*****	Limestone Volcanic	e *******	翼	
	_	İ	11/	l KXXX	xxxxx	- K	44444	· Ologi IIC	~~~~~	~~	1 1

Client :			REEN CITY DEV						Aug	er B	oreho	le No.		HA02
Project	Locatio	n: 12	25 MURPHYS RC	DAD (STAGE 2), FLA	AT BUS	Н						Sheet 2	
Job Nu	mber:	J(00862						Head:	Logge	d By: RG	Process		: 2.02.18
Borehole Location:	mN Description		mE Refer to site plan	Gr	ound R.L.			pue	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	oil tivity	Sample Laborator	e and
	2000		IL DESCRIPTION	ON				Legend	Dept	Star Water	Va Shea peak/	Soil Sensitivity	Te: Deta	st
TOPSOIL														
_														
clayey SILT insensitive,	, mottled orar with minor org	nge, light ganic incl	brown and dark bro lusions [FILL]	wn. V	ery stiff, mosit, lo	w plastic	ity,			∇				
-									- 0.5		128/66	1.9		
-														
becoming s	tiff, sensitive								-1.0		96/19	5.1		
fine sandy C	CLAY, orange	motted li	ight brown. Very stif	ff, satu	ırated, medium p	lasticity,		/////						
- moderately	sensitive [NA	TURAL							#- #_					
_									- 1.5		149/54	2.8		
clayey SILT moderately	, light orange <i>i</i> sensitive	/brown m	ottled light grey. Ve	ry stiff	, wet, medium pl	asticity,								
_														
- -								(XXXXX (XXXXX (XXXXX (XXXXX	2.0		100/49	2.0		
-	,							(XXXXX (XXXXX (XXXXX (XXXXX	 					
_								(XXXXX (XXXXX (XXXXX (XXXXX			186+			
fine sandy S	SILT, orange r	mottled lig	ght grey. Medium de	ense,	moist, no plasticit	У		X X X X X X X X X X X X X X X X X X X	Ž		1001			
_								****	ף					
	dark grey. H		st, medium plasticity	(TRA	NSITION]			(<u>XXXXX</u> (<u>XXXX</u> X	— 3.0		UTP			
-	raiget bep								F					
F									F					
- -									- 3.5					
-									Ė					
- -									-4.0					
-									F 4.0					
E									F					
_									-4.5					
F									F					
-									F					
-									- 5.0					
<u> </u>									<u> </u>					
Ŀ									- =5.5					
<u>-</u>									- 5.5					
ŀ									F					
_									-6.0			la casas		
		Comme		1 4	Borehole Diameter: 50mm	Topsoil			Sand	****	Sandstone	2222222	Plutonic	
LANI	DER	UTP = u	water encountered inable to penetrate.		Checked:	Fill		////	Gravel :	ልልልልልል አልልልልልል ስልልልልልል	Siltstone Limestone	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No Core	+
geotech		EOB = 6	end of borehole.		A3	Silt	×××× ××××	55555	Pumice	**************************************	Volcanic	******	3	\vdash

Client :	Locatio		REEN CITY DEVE 5 MURPHYS ROA						Aug	jer B	oreho			HA03
Job Nu			0862	(1)	17(02 2), 1 27	11 20011	-		Head:	Logge		Process	or: Da	of 24 te: 13.02.18
	mN		mE	Grou	ınd R.L.		\dagger		T	+	OS G e	EL		
Borehole Location:	Description		Refer to site plan	1 0100	ma r			Legend	Depth (m)	nding r Lev	ane ar(kPa residua	Soil Sensitivity	Sam _l Laborate	ole and ory / Other
		SOI	L DESCRIPTIO	N				Leg	Dep	Standing Water Level	Vane Shear(kPa) _{peak} / residual	Sens	Т	est tails
TOPSOIL									-					
clayey SILT insensitive [, light brown/ FILL]	orange mo	ottled light grey. Ven	y stiff,	moist, low plast	icity,			0.5		142/75	1.9		
clayey SILT [PUKETOK	, orange mot A FORMATIO	tled light g DN]	rey. Very stiff, moist	t, medi	ium plasticity, in	sensitive	Nakalalalalalalalalalalalalalalalalalala	X X X X X X X X X X X X X X X X X X X	- 1.0		165/89	1.9		
- - -	1						kiyiyiyiyiyiyiyiyi	X X X X X X X X X X X X X X X X X X X	- 1.5		104/62	1.7		
silty CLAY, sensitive	orange mottle	ed light gre	ey. Stiff, moist, medi	ium to	high plasticity, ı	moderately	,	x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-	_ _ 2.0 _		89/42	2.1		
fine sandy S sensitive becoming sa		mottled lig	ht grey/brown. Loos	se, wet	, no plasticity, n	noderately	************	X	- 2.5		75/36	2.1		
- becoming co -	parse sandy (SILT, med	ium dense, with maj	jor limo	onite staining		**********		- - 3.0 -		UTP			
becoming lo		Madie		41 - 14	, ITPANIOITION	4	800000000000000000000000000000000000000		- - 3.5		165/49	3.4		
- -			m dense, wet, no pla	asticity	TIRANSITION	l	200000000000000000000000000000000000000		- - - 4.0		UTP			
_ clayey SILT, - - - -	, dark grey. ⊢	lard, moist	, high plasticity				NAMEDIANAMENTAL	X X X X X X X X X X X X X X X X X X X	- - - 4.5 - -		UTP			
EOD -1.5.0	Toract D	oth	· · · · · ·				KKKKK	******* *******	_ - 5.0		UTP			
_ EOB at 5.0n	i. Taiget Def	out.							ļ.					
<u>-</u> -									F					
-									- 5.5					
_									E			Seg.		
-									F					
_				T _D	orehole Diameter:	T :: N		<i> </i>	-6.0	<u>l</u>			Dlut!	.++++++
		Commer Groundw	nts: ater encountered 1.		50mm	Topsoil Fill		}}}	Sand Gravel		Sandstone Siltstone	2222222	Plutonic No Core	+++++++
	ER	UTP = un	able to penetrate.	F	Checked:	Clay			rganic	*****	Limestone	222222	至	
geotech	nical	EOB = er	nd of borehole.		MS	Silt ××	XXX	× × × ×	umice		Volcanic	~~~~~		

Client :	Locatio		REEN CITY DEV 25 MURPHYS RC				-		Aug	er Bo	oreho		Sheet 4	HA04 of 24
Job Nu			00862		,				Head: 750	Logge	d By: J	Process	or: Date	
Borehole Location:	mN Description:		mE Refer to site plan	Gr	ound R.L.				Depth (m)				Sampl Laborator	e and
	Description		IL DESCRIPTION	ON				Legend	Dept	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Te Deta	st
TOPSOIL														
clayey SILT minor limoni	orange/brow te [PUKETOI	vn. Very s KA FORM	stiff, moist, low plast MATION]	icity, ı	moderatly sensiti	ve, with			- 0.5		134/64	2.1		
becoming inat 1.1m, bectrace to mind	oming yellow	/brown s ining, wit	pecked light grey/wh hout limonite	nite, lo	ow to medium pla	sticity, wil	th		- - 1.0 -		146/79	1.8		
- - -									- - 1.5		152/82	1.9		
becoming pi	nk and yellov	v/brown s	treaked light grey/w	hite, v	without organic si	taining			- - - 2.0		195/134	1.5		
-									- 2.5		107/66	1.6		
- - EOB at 3.0n	Target Den	th							-3.0		146/93	1.6		
- -	r. raigot bop								E					
- -									- - 3.5					
-									F	-				
_									<u>-</u>			,		
-									- 4.0					
- -									-					
-									- 4.5					
-									F					
- -									- 5.0					
-									F					
-									F					
-									- 5.5					
									E	v				
_								,,,,,	-6.0					
		Comme	nts: water not encounter	ed	Borehole Diameter: 50mm	Topsoil		}}}}	Sand Gravel		Sandstone Siltstone	222222	Plutonic No Core	
LAND	ER	UTP = u	nable to penetrate.	ou.	Checked:	Fill Clay	////		Organic	(******** (***************************	Limestone	222222	宝 NO Core	+-+
geotech	nical	FOR = 6	end of borehole.		AB	Silt	(XXXX) (XXXX) (XXXX)	TXXXX	Pumice		Volcanic	*********		

Client :	GREEN CITY DEVELO				Aug	er Bo	oreho	le No.		HA05
Project Loca	ation: 125 MURPHYS ROAD ((STAGE 2), FLA	T BUSH			Ι			Sheet 5	of 24
Job Number	; J00862			Vane I	1ead: '50	Logge L	a By: .J/EL	Process EL		.02.18
Borehole mN	mE Gr	ound R.L.			Ê	gr evel	⊃a) dual	t _t	Sample	and
Location: Descri	ption: Refer to site plan			Legend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Laboratory	/ / Other
	SOIL DESCRIPTION			ا ع	۵	St	She	Ser	Deta	
TOPSOIL					-					
- OU T W.	d			- KXXXXXX	1	_				
limonite staining [Pl	d orange and brown. Very stiff, moist, lo JKETOKA FORMATION]	ow plasticity, quick	c, with min	IOF <u>FXXXXXX</u>	- - 0.5	abla	120/6	20.0	_	
at 0.5m becoming s	aturated			********* ******** *******	- 0.5		120/6	20.0	Sampl	e 1
F				******* ******* *******	F				Disturb 0.5-1.0	
<u>-</u>				(XXXXXX (XXXXXX (XXXXXX (XXXXXX	- -1.0		203+			
with light grey, with	out limonite			7.7.7.7.7.7 7.7.7.7.7.7 7.7.7.7.7.7 7.7.7.7.7.7.7 7.	-					
- becoming medium լ	plasticity		,	(XXXXXX (XXXXXX (XXXXXX (XXXXXX	L					
becoming insensitiv	e nottled light grey. Very stiff, moist, high	nlasticity insensi	tive	(XXXXXX (XXXXXX (-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	- 1.5		134/79	1.7		
- Sity OLAT, Grange I	mottied light grey. Very 3till, moist, high	plasticity, inscrisi	uvo	-x-x-x-x-x -x-x-x-x-x-x-x-x-x-x-x-x-x-x	F					
				<-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	‡					
becoming hard				<-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	- 2.0		203+			
_				<-x-x-x-x-x-x <-x-x-x-x-x-x-x <-x-x-x-x-	Ł					
-				-x-x-x-x-x -x-x-x-x-x-x-x-x-x-x-x-x-x-x	F					
<u>-</u> -				<-x-x-x-x-x-x <-x-x-x-x-x-x-x <-x-x-x-x-	- 2.5		203+			
<u>t</u>				<-x-x-x-x-x-x <-x-x-x-x-x-x-x <-x-x-x-x-	1					
	land all addition				}		100/00	4.7		
becoming very stiff,	low plasticity			<-x-x-x-x-x-x <-x-x-x-x-x-x-x <-x-x-x-x-x-x-x <-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	- 3.0		160/93	1.7		
clayey SILT, orange sensitive	mottled light grey. Very stiff, moist, low	plasticity, moder	ately	(XXXXXX (XXXXXX (XXXXXX	‡			9		
SCHSILIVE				(XXXXXX (XXXXXX (XXXXXX (XXXXXX	- - 3.5		158/79	2.0		
_				777777 777777 777777 777777	Ĺ					
-				******** ******** *******	-					
becoming insensitive	e			<u> </u>	- 4.0		134/75	1.8		
-				******** ******* *******	-		•			
-				1222222 12222222 12222222 12222222	-					
-				******* ******* *******	- 4.5		114/59	1.9		
silty CLAY, orange	mottled light grey. Very stiff, moist, med	ium to high plasti	city,	(-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	-					
insensitive				-x-x-x-x-x -x-x-x-x-x-x-x-x-x-x-x-x-x-x	F					
EOB at 5.0m. Targe	et Depth.			K-X-X-X-X-X	- 5.0		120/66	1.8		
_					L					
-					<u></u>					
F					- 5.5					
F					F					
_ ,					- 6.0					
	Comments:	Borehole Diameter:	Topsoil	s	and		Sandstone	9	Plutonic	
LANDER	Groundwater encountered 0.5m. UTP = unable to penetrate.	50mm	Fill		Gravel		Siltstone	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No Core	
LANDER geotechnical	EOB = end of borehole.	Checked:	Clay -	*****	rganic a		Limestone Volcanic)	窓	-

Client :			GREEN CITY DEVE 25 MURPHYS RO						Aug	er Bo	oreho			HA06
Project	Locatio	on:	25 MURPH 13 KU/	AD (31AGE 2), FL/	AI BUSH		Vane	Head:	Logge	d By:	Process		6 of 24
Job Nu	mber:	J	00862						007		L L	LJ	1	12.02.18
Borehole	mN		mE	Gro	ound R.L.			73	(E)	lg evel	Da)	ty	Sam	ple and
Location:	Description	1:	Refer to site plan					Legend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Laborat	ory / Other
		SO	IL DESCRIPTIO	N				Ļ	ے ا	St	She	Ser		etails
_ TOPSOIL									-					
silty CLAY, o	orange mottle UKETOKA F	ed light bi	rown. Very stiff, moist	t, hig	h plasticity, mode	erately		-x-x-x-x-y						
_			nottled brown					-x-x-x-x-x- -x-x-x-x-x- -x-x-x-x-x- -x-x-x-x	0.5		110/40	2.8		
-	, J ,	J						-x-x-x-x-y -x-x-x-x-y -x-x-x-x-y -x-x-x-x	_					
− becoming st								-x-x-x-x-x-y -x-x-x-x-x-y -x-x-x-x-x-y -x-x-x-x	- - 1.0		84/41	2.0		
becoming or	ange mottled	d light bro	own					-x-x-x-x-x-y -x-x-x-x-x-y -x-x-x-x-x-y -x-x-x-x						
_								-x-x-x-x-x-y -x-x-x-x-x-y -x-x-x-x-x-y -x-x-x-x	_ - 1.5		131/84	1.6		
insensitive			grey. Very stiff, mois					***** ***** ****** *****	1.3		131/04	1.0		
			d light grey. Very stiff d light grey. Very stiff				v	-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	_					÷
insensitive		9	g g , ,	,	-,	3··· - · · · · · ·	,	-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	- 2.0		123/75	1.6		
- with dark gre								-x-x-x-x-x -x-x-x-x-x-x-x-x-x-x-x-x-x-x		\Box				
silty CLAY, r sensitive	ed and orang	ge mottle	d light grey. Stiff, wet	t, high	n plasticity, mode	erately		-x-x-x-x-x-x -x-x-x-x-x-x-x-x-x-x-x-x-x	- 2.5		92/47	2.0		,
								-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	-					
becoming in		stb.						-x-x-x-x-x -x-x-x-x-x	3.0		66/37	1.8		
_ EOB at 3.011	i. Taiget Dep	JUII.							_					
<u> </u>									L					
_									- 3.5					
-									F					
									-		1			
<u>-</u> -									- 4.0					1
			•						Ė					
-									-4.5					
-									-					
- -									- -5.0					
			•						E					
- -									- - 5.5			λ		
- -									- 5.5					
-														
		Comme	ents:		Borehole Diameter:	Topsoil		s	—6.0		Sandstone		Plutonic	· · · · · · · · · · · · · · · · · · ·
		Ground	water encountered 2.	.3m.	50mm	Fill		/// c	Gravel :		Siltstone	222222222222222222222222222222222222222	No Core	
LAND geotech			inable to penetrate. end of borehole.		Checked:	Clay	(XXX	XXX.	rganic	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Limestone		<u> </u>	
		I		- 1	(IV	Silt	«×××	××× P	umice	*****	Volcanic	~~~~~	20	

Client :	CDEEN CITY DEVELO	DMENTOLINAT	ED	T	Α			1 . A'		11467
Project Locatio	GREEN CITY DEVELO n: 125 MURPHYS ROAD				Aug	er B	oreho			HA07
	II. III III III III III III III III III	(31.102 2), 1 2	50011	Vane	Head:	Logge	d Bv:	Process	Sheet 7	
Job Number:	J00862				900		IL	EL		2.02.18
Borehole mN		round R.L.	,		Œ	ng evel	Pa)	ity	Sampl	e and
Location: Description:	Refer to site plan			Legend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Laborator	y / Other
	SOIL DESCRIPTION			د ا	Ŏ	Wa	Sh	Se	Deta	
TOPSOIL					-					
silty CLAY, orange. Very	stiff, moist, medium plasticity [PU	JKETOKA FORMA	ATION]	<pre><-x-x-x-x <-x-x-x-x-x <-x-x-x-x-x <-x-x-x-x</pre>						
clayey SILT, light orange fine sand	. Very stiff, wet, low plasticity, mo	derately sensitive,	, with minor	· (XXXXX (XXXXX (XXXXX (XXXXX	— 0.5		105/43	2.4		
-				(XXXXX (XXXXX (XXXXX (XXXXX	\$ \$ \$				Samp Distur	
			•	(XXXXX (XXXXX (XXXXX	ξ}- ξ}-				0.5-1.	
becoming stiffsilty CLAY, orange streak	ed light grey. Very stiff, moist, me	edium plasticity		**************************************	- 1.0		69/19	3.6		
-		Tarana praementy		-x-x-x-x-x -x-x-x-x-x-x	-x- -x- -x-					
-				<-x-x-x-x-x <-x-x-x-x-x-x <-x-x-x-x-x-x	-x- -x- -x- -x-					8
-				-x-x-x-x-x -x-x-x-x-x-x -x-x-x-x-x-x	- 1.5		116/57	2.0		
-				-x-x-x-x-x -x-x-x-x-x-x -x-x-x-x-x-x	-x- -x- -x- -x-					
-				(-x-x-x-x-x (-x-x-x-x-x-x (-x-x-x-x-x-x-	-x					
becoming insensitive				-x-x-x-x-x -x-x-x-x-x -x-x-x-x-x-x	- 2.0	∇	133/83	1.6		
-				-x-x-x-x -x-x-x-x-x -x-x-x-x-x-x		in the				
-				-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	-x- -x- -x-					
-				-x-x-x-x-x- -x-x-x-x-x-x-x-x-x-x-x-x-x-	2.5		122/81	1.5		
with some fine sand	,									
at 3.0m, becoming hard										
EOB at 3.0m. Target Dep	th.				- 3.0		UTP			
-					-					
-					- - 3.5					
-					- 3.5			1		
-					-					
- -					- -4.0					
-					- 4.0					
_					-					
-					- -4.5					
-					"					
_					- 1				•	
- -					- -5.0					
-										
					F 1					
_					- 5.5					
- ,										
-					<u> </u>				(8)	
-		1			- 6.0					
	Comments:	Borehole Diameter:	Topsoil	$\longrightarrow\longrightarrow$	Sand		Sandstone	227777	Plutonic	
	Groundwater encountered 0.9m. UTP = unable to penetrate.	50mm Checked:	Fill Clay		Gravel	*****	Siltstone	222222	No Core 窑	
	EOB = end of borehole.	M	Silt **	××××××	Organic with the Pumice	******	Limestone		<u> </u>	

						H-1886-1	<u> </u>			Alerto Scale			
Client :		ED			Aug	er B	oreho	le No.		HA08			
Project	Locatio	n: 125 MURPHYS F	ROAD	(STAGE 2), FLA	AT BUS	Н							of 24
Job Nu	mber:	J00862						Head: 946	Logge	d By: RG	Process EL		e: 2.02.18
		mE		ound R.L.			-	T	_				2.02.10
Borehole Location:	mN Description			ound R.L.			pu	h (m)	ding	ne (kPa esidua	il ivity	Sampl Laborator	e and
	Description	·					Legend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Te	st
T000011		SOIL DESCRIPT	IION		•				5	0) a	S	Deta	alis
TOPSOIL													
clavev SILT	orange and	light brown motted light gre	ev Verv	stiff moist low r	olasticity			¥					
moderately	sensitive [FIL	L]	oy. vo.y	otin, moiot, iow p	oractionly,			- 0.5		149/63	2.4		
- with minor o	rganic inclus	ions						1		143/03	2.4		
-													
-								-1.0		165/82	2.0		
								1.0		100/02	2.0		
clavey SILT	orange mot	ted light grey. Very stiff, mo	nist me	dium plasticity m	oderately	,		4					
sensitive [Pl	UKETOKA F	ORMATION]	0101, 11101	aidiii pidotioity, iii	odoratory		(XXXXX (XXXXX (XXXXX	- - 1.5		400/50	0.0		
-								X - 1.5		129/50	2.6		
-							(XXXXX (XXXXX (XXXXX (XXXXX	* - * -					
becoming in	sensitive						(XXXXX (XXXXX (XXXXX	- - 2.0		104/57	4.0		
- becoming in	30113111110							\$ - 2.0 \$ -		104/57	1.8		
fine condu C	NAV orongo	and pink mottled light grey	y Von	atiff maint madiu	ım plaatic	ii.	(XXXXX (XXXXX	× –					
moderately	sensitive	and plink mottled light gre	y. very :	stiii, moist, mediu	iiii piastic	ity,		- - -	\Box	140/00	2.4		
-								- 2.5		149/62	2.4		
- -								芸 ⁻ 芸-					
at 3.0m, bed	coming insens	sitive						ੜੂ- ੜੂ-		110/00	4.0		
EOB at 3.0m	n. Target Dep	oth.						3.0		110/62	1.8		
-								ļ					
_								<u> </u>					
-								- 3.5					
-								ļ					
-								<u>L</u>					
-								- 4.0					
-								Ļ					
-								 					
-								- 4.5					
-								ļ.					
-								-					
-								- 5.0					
-								Ļ					
_								-					
- -								- 5.5					
- •								ļ					
-								-					
_		Comments		Borehole Diameter:	Tonge		1111	-6.0		Condetes	<u> </u>	Plutonic	:::::::
		Comments: Groundwater encountered	d 2.4m.	50mm	Topsoil Fill		}}}}	Gravel		Sandstone Siltstone	2222222	No Core	*******
LAND	DER	UTP = unable to penetrate		Checked:	Clay		////	Organic	**************************************	Limestone	222222		\vdash
geotech	inical	EOB = end of borehole.		AR	Silt	×××× ×××× ××××	· · · · · · · · · · · · · · · · · · ·	Pumice		Volcanic	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	; <u>\$</u>	

	ATTENDED OF THE PARTY OF		_	-cuquate					
Client: GREEN CITY DEVELO				Aug	er B	oreho	le No		HA09
Project Location: 125 MURPHYS ROAD	(STAGE 2), FLA	T BUSH						Sheet 9	of 24
Job Number: J00862			Vane I	Head: 750	Logge	d By: _J	Process EL		e: 2.02.18
	Ground R.L.								
Location: Description: Refer to site plan			Legend	Depth (m)	nding r Lev	ane ar(kPa residu	oil	Samp Laborato	ry / Other
SOIL DESCRIPTION			Leg	Dep	Standing Water Level	Vane Shear(kPa)	Soil Sensitivity	Te Det	est
TOPSOIL									
clayey SILT, brown. Very stiff, moist, low plasticity, moder rootlets [FILL]	rately sensitive with	trace		1					
-				F					
- -				- 0.5		134/37	3.6		
-								Samp Distur	bed
becoming stiff				1		00/04	0.0	0.5-1	.0m
- Decoming still				- 1.0		68/24	2.8		
EOB at 1.3m. Too hard to auger further. Inferred boulder/o	gravel encountered		<i>\\\\\\</i>	1					
	graver encountered.			- 					
				- "					
				-			,		
_				- 2.0					8
				Ė I					
- -									
				- 2.5					
-				-					7
_				FI					
-				- 3.0					
- -				ĻΙ					
- -				- - 3.5					
-				- 3.5					
 -				F					
- -				- 4.0					
- -				-					
- -				-					
<u>-</u>				- 4.5		¥			
-				-					
- -				ΓI					
- -				- 5.0					
- -									
_				-					
-				- 5.5 -					
-				-					
-				- - 6.0					
Comments:		Topsoil	Sa	and :		Sandstone		Plutonic	· · · · · · · · · · · · · · · · · · ·
Groundwater not encountered. UTP = unable to penetrate.	3	Fill //		ravel	******	Siltstone	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No Core	
geotechnical EOB = end of borehole.	àn	Clay		ganic www.		Limestone Volcanic	*******		-

Client :			REEN CITY DEVE					Aug	er B	oreho			HA10
Project	Locatio)II ;	ZU MUNFITO KUF	10 (01AGE 2), FL	A1 DUSI	1	Vane	Head:	Logge	d Bv.	Process		of 24
Job Nu	ımber:	J(00862					750		u Бу. _J	EL		2.02.18
Borehole	mN		mE	Ground R.L.			ס	Œ	ng evel	Pa)	ity	Sampl	e and
Location:	Description	1:	Refer to site plan				Legend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Laborato Te	y / Other
		so	IL DESCRIPTIO	N					S W	Sh	Se	Det	
TOPSOIL								-					
clayey SILT minor limon	, orange/brovite [PUKETC	wn. Very : KA FORM	stiff, moist, low plastic MATION]	ity, moderately sens	itive, with			- - - 0.5		155/56	2.8		
 becoming w 			to low plasiticity					- - - - - 1.0		178/4	44.5		
plasticity, wiat 1.4m, witl	layey SILT, n ith trace of lig hout organic noderately se	ght purple stain	llow/brown and light g organic staining, with	rey/white, low to me out limonite	dium			- - - - - 1.5	▽	160/66	2.4	_	
-			in had stored	:4:14				XXX - - - - -			۷.۳		
-	ightly clayey		nin bed of major limon		te. Very s	tiff,		- 2.0		203+			
- - -								- 2.5		120/59	2.0		
- EOB at 3.0n	n. Target Dei	oth.		-				3.0		107/52	2.1		
	3							F					
								F					
-								- 3.5					
-								-					
- -								-4.0					
-						z		F 4.0					
								F					
_								-4.5					
- -								F					
- -							O	Ė					
_								- 5.0					
_								-					
-								F					
_ -								- 5.5					
-								E					
_								-					
_		Comme	nts:	Borehole Diameter:	Topsoil		<i> </i>	-6.0	<u> </u>	Sandstone	,	Plutonic	
		Groundy	vater encountered 0.9		Fill		}}}}	Gravel		Siltstone	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	No Core	*******
LAND			nable to penetrate. and of borehole.	Checked:	Clay		c	rganic 🖁	********* ********* ********	Limestone		Ż Ż	
geotech	meal	1200-6	and of bolehole.	AB	Silt	<	XXXX XXXX XXXX XXXX	umice		Volcanic			

Client				REEN CITY DEVE					Aug	ger B	oreho	le No.		HA11
Projec	t Lo	catio	on: 1	25 MURPHYS ROA	ND (STAGE 2), FL	AT BUSI	Н			1.				11 of 24
Job Ni	umb	er:	J	00862				1	Head: 46		ed By: RG	Process EL		te: 12.02.18
Borehole Location:	mN			mE	Ground R.L.			<u>g</u>	E)	ing evel	e KPa) sidual	/ity	Samı	ole and
Location.	Des	scriptio		Refer to site plan				Legend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Т	ory / Other est
TOPSOIL			SC	OIL DESCRIPTION	N						N g	ν̈	De	etails
	T 11-1-1		, , ,											
minor orga	nic inc	brown	/orange. \ s [FILL]	/ery stiff, moist, low pl	asticity, moderately	sensitive	with							
- -									- 0.5	5	149/75	2.0		
becoming I	ight br	own/or	ange mott	tled light grey					1					
_									-		400/00			
F									- 1.0	'	132/63	2.1		
clayey SIL				grey. Very stiff, moist,	medium plasticity,	nsensitive)	**************************************				.		
_									- - 1.5		165/89	1.9		
-									- -					
fine condu	CILT	rod/nin	de mattled	light grey. Very stiff, le		41 - 14								
				imonite staining	oose, moist, no pias	ticity,			- 2.0		149/74	2.0		y.
-									L					
clayey SIL	T, orar	nge/pin	k mottled	light grey. Very stiff, n	noist, low to medium	plasticity	,			.	100/77			
insensitive	, with r	minor li	monite sta	aining					— 2.5	<u>'</u>	129/77	1.7		
-														
_									- -3.0		80/42	1.9		
fine sandy	SILT v	with sor	ne clay, o th maior li	range mottled light bromonite staining	own/grey. Stiff, wet,	medium			ļ					
-		,	.						Ė					
becoming s	saturat	ted							— 3.5 –	5	89/49	1.8		
-				,					_					
-	16						=		- -4.0		116/55	2.1		
silty CLAY, sensitive	orang	je mottl	led light gr	rey. Hard, moist, medi	um plasticity, mode	rately		-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	<u> </u>		110/00			
_								<-x-x-x-x-x-x <-x-x-x-x-x-x <-x-x-x-x-x-	-					
_ fine sandy (-	CLAY,	orange	e mottled l	light grey. Hard, wet, r	nedium plasticity				- 4.5	\Box	UTP			
-									Ł					
									-					
EOB at 5.0	m. Tar	rget De	pth.						5.0		UTP			
_									F		,			
_									- - 5.5					
-									Ė			9		
- -									Ė					
_					Borehole Diameter:	<u> </u>		<i> </i> -	- 6.0	1			:	11111111
				vater encountered 3.6		Topsoil Fill		}}}}	and ravel		Sandstone Siltstone	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Plutonic No Core	111111111111111111111111111111111111111
LANI				nable to penetrate.	Checked:	Clay		o	rganic	ጸ ጸጸጸጸ አጽጽጽ አጽጽጽ አጽጽ ተርተር	Limestone			
9001601		- '			(1)	Silt	(XXXX	XXXX P	umice		Volcanic	~~~~~~	č	

Client :	GREEN CITY DEVELO					Aug	er B	oreho	e No.		HA12
Project Location	on: 125 MURPHYS ROAD	(STAGE 2), FLA	AT BUSH	-			ı.				2 of 24
Job Number:	J00862				Vane F		Logge MP	d By: C/EL	Processe LJ		e: 2.02.18
Borehole MN Location: Description		round R.L.			pue	Depth (m)	Standing Water Level	ne (kPa) esidual	ii ivity	Sampl Laborator	
Description	SOIL DESCRIPTION	-			Legend	Dept	Stan Water	Vane Shear(kPa) _{peak} / residual	Soil Sensitivity	Te Det	st
TOPSOIL) ·								
silty CLAY, orange mottle with minor topsoil leaching	led light brown. Stiff, moist, high plang ng [PUKETOKA FORMATION]	asticity, moderate	ly sensitiv	е,	x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-	-					
_					x-x-x-x-x- x-x-x-x-x-x-	- 0.5		88/34	2.6		
becoming light grey and	orange mottled light brown			*******	x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-	_					
− becoming orange mottle				******	* - x - x - x - x - x - x - x - x - x -	- - 1.0		152/65	2.3		
-				***	x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-	-					
becoming insensitive				***	x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-	- - 1.5		142/77	1.8		
- -				**************************************	x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-	-		142/11	1.0		
	ttled light grey. Very stiff, moist, me	edium plasticity, m	oderately	**************************************	**************************************	-					
sensitive at 2.1m, becoming red m	nottled light grey			NANANA NANANA	XXXXXX XXXXXX XXXXXXX XXXXXXX XXXXXXX	- 2.0 - -		123/52	2.4		
silty CLAY red and oran	ge mottled light grey. Very stiff, mo	pist high plasticity	insensiti	Ve :	X X X X X X X X X X X X X X X X X X X	-					
-	go motiou iigiit gioy. Voiy otiii, iiit	not, mgm placticity	, 11100110111		x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-	- 2.5 -		112/59	1.9		
CLAY, orange mottled lig	ght grey. Stiff, moist, high plasticity	, moderately sens	itive		x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-	_					
becoming light grey mottle	led orange					— 3.0		87/44	2.0		
-						- -					
silty CLAY, light grey mot moderately sensitive	ttled orange/brown. Very stiff, mois	st, medium to high	plasticity	,	x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-	- - 3.5		105/37	2.8		
clayey SILT, orange mott sensitive	tled light grey. Stiff, moist, low to m	nedium plasticity,	moderatel	ly ki	******** ****** ******* ******	- -					
- serisitive				NAMAMA		- - 4.0	\Box	95/29	3.3		
	or clay, light grey/brown. Stiff, wet,	low plasticity, mo	oderately	**************************************		_					
sensitive at 4.4m, becoming orang	ge mottled light grey and brown			80000		- - 4.5		98/49	2.0		
-				8000		- "					
becoming mottled light gr	rey and orange			8000		_					
EOB at 5.0m. Target Dep	oth.				*****	- 5.0		136/66	2.1		
- -						_	(<u>*</u> .)				
_ _						- - 5.5					
-						-					
- -						-					
_	<u> </u>	Daniel Di			/// -	- 6.0) }}}}		<u> </u>	: -	+++++++
	Comments: Groundwater encountered 4.0m.	Borehole Diameter: 50mm	Topsoil Fill		Sa Gr	nd :		Sandstone Siltstone	2222222	Plutonic No Core	
LANDER	UTP = unable to penetrate. EOB = end of borehole.	Checked:	Clay			ganic	****** ****** *******	Limestone	222222		
geotechnical	EOD - end of bolenole.	RY15	Silt ×	××××; ××××;	XXX XXXX Pur	nice		Volcanic	******	Š	

Client :			REEN CITY DEVE 35 MURPHYS RO				Н		Aug	er B	oreho			HA13
_	Locatio			תט	(OTAGE 2), PL	AT BUS		Vane I	Head:	Logge	d Bv:	Process		3 of 24
Job Nu	mber:	J	00862 T	_					750 T	L	_J	EL		2.02.18
Borehole Location:	mN		mE	Gı	ound R.L.			_ _ p	(E)	Standing Water Level	kPa)	vity	Sampl	
Location.	Description		Refer to site plan					Legend	Depth (m)	Stand /ater l	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Laborator Te	st
TODOOU		SO	OIL DESCRIPTIO	N						3	N F	Ø	Deta	ails ————
_ TOPSOIL									-				×	
clayey SILT, intermixed w	, yellow/brow vith minor bro	n. Very stown silt [P	tiff, moist, low plastic PUKETOKA FORMAT	ity, r ΓΙΟΝ	noderately sensit l]	ive,		[XXXXXX XXXXXX XXXXXXX XXXXXXX XXXXXXX	L					
— with minor li	monite, with	out brown	silt intermixed					**************************************	- 0.5		125/52	2.4		
								********* ******** ********	F				Samp Distur	
									-				0.5-1.	
becoming slwithout limon		SILT, mo	ttled yellow/brown ar	nd lig	tht grey/white, ins	sensitive,		**************************************	- 1.0		110/66	1.7		
-								**************************************	Ł					
								******** ******** *******	-					
becoming st	iff, moist to v	vet, mode	rately sensitive					******* ******** ********	- 1.5		79/40	2.0		
- -								(XXXXXX (XXXXXX (XXXXXXX	ţ	8				
becoming in:	sensitive							******* ******* *******	١.,		00/07	4.0		
- becoming in	SCHSILIVE							******* ******* *******	- 2.0	\Box	66/37	1.8		
F								**************************************	F					
becoming sabecoming m			e sand						- - 2.5		73/37	2.0		
	•								-					
-								<u> </u>	L		,			
becoming in:	sensitive							CXXXXXX CXXXXXX CXXXXXX	- 3.0		71/37	1.9		
-														
becoming cla	ayey SILT, li	ght brown	/light grey, very stiff,	low	plasticity, without	sand								
becoming ve									- 3.5		112/53	2.1		
_ clayey SILT,	dark grey. V	ery stiff, r	moist, low plasticity, i	nser	nsitive [TRANSIT	ION]			_					
-													Scala Penetrom	otor
- -								******** ********* ********	- 4.0		100/66	1.5	Test	
at 4.3m, bec								******** ********			163/74	2.2	(blows/10 -	umm)
EOB at 4.3m effective refu			ırther. Scala penetro	mete	er test commence	ed and fou	und		<u></u>				- 20+ (EF	
									- 4.5				ER = Effe Refusal	ective
-									F	,				
-									- - 5.0					
-									<u> </u>					
_									-					
_									- 5.5					
-									-					
-									-					
_		T				, , , , , , , , , , , , , , , , , , ,	,,,,,	////	- 6.0	111111		<u> </u>	•1	
		Comme	nts: vater encountered 2.	4m	Borehole Diameter: 50mm	Topsoil Fill		}}}}	and		Sandstone Siltstone	* * * * * * * * * * * * * * * * * * *	Plutonic No Core	
	ER	UTP = u	nable to penetrate.		Checked:	Clay	////	////	ganic	******** ********* *********	Limestone	222222	文 No Core	
geotech	nical	EOB = e	nd of borehole.		AB	Silt	(XXX) (XXX) (XXX) (XXX)	XXXX	mice	*****	Volcanic	*******	***	

Client :		G	REEN CITY DEVE	LOPMENTS LIMI	ΓED			Aug	er B	oreho	le No.		HA14
Project	Locatio	n: 1	25 MURPHYS ROA	AD (STAGE 2), FL	AT BUS	H						Sheet 14	of 24
Job Nu	mber:	J	00862					Head:	Logge L	d By: _J	Process EL		: 2.02.18
Borehole Location:	mN Description	:	mE Refer to site plan	Ground R.L.			pue	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	il tivity	Sampl Laborator	e and
			IL DESCRIPTIO	N			Legend	Dept	Stan Water	Va Sheal peak / r	Soil Sensitivity	Te Deta	st
clayey SILT, sensitive [Co	brown motte	ed yellow	brown. Stiff, moist, lo	w plasticity, moderat	ely		(XXXXX (XXXXX (XXXXX (XXXXX (XXXXX	XX XX XX XX					
-							******** ******* *******	<u>×</u> _ × _ × _					
with modera	tely thin bed	of limonit	te silt					— 0.5	\Box	77/37	2.1		
-							**************************************						
becoming se	nsitive							← 1.0		52/10	5.2		
- - -							**************************************					Scala Penetrom	neter
_ clayey SILT, -	dark grey. H	lard, mois	st, low plasticity [TRA	NSITION]				~ 1.5		UTP		Test (blows/10	00mm)
EOB at 1.7n	n. Too hard to usal at 1.9m	o auger fi	urther. Scala penetror	neter test commenc	ed and fo	und	XXXXX					- - 13	- >
-								- 2.0				= 20+ (EI ER = Eff	
-								-				Refusal	
-								2.5	,				
-							10	-			\.		
- -								-3.0					
-								-					
- -							2.	- 3.5					
-								-					
- -								- 4.0					
- -								E					
- -								- - 4.5		,			
_								E					
- -								- -5.0					
_								Ē					
-								- -5.5					
-								E					
_								- -6.0					
		Comme		Borehole Diameter:	Topsoil		}}}}	Sand		Sandstone	2227777	Plutonic	:::::::
LAND	ER		vater encountered 1.0 nable to penetrate.	Om. 50mm Checked:	Fill Clay		////	Gravel Corganic	*******	Siltstone	2222222	호 No Core 물	\vdash
geotech			nd of borehole.	MS.	Silt	***** *****		Organic Sumice		Limestone	***************************************	·:\ ·:\	

Client :	GREEN CITY DEVELO				Aug	er B	oreho			HA15
Project Location	on: 125 MURPHYS ROAD	(STAGE 2), FL	AT BOSH							of 24
Job Number:	J00862			Vane F		Logge Mi	d By: PC/EL	Process LJ		: 2.02.18
Borehole mN	mE Gi	round R.L.			Ű.	g vel	ba)	>	0	
Location: Description	n: Refer to site plan			Legend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Sampl Laborator	y / Other
	SOIL DESCRIPTION			Le	De	Sta	She	Sen	Te Deta	
TOPSOIL					-					
	tled brown. Very stiff, moist, mediu	ım plasticity [PUK	ETOKA		_		41			
FORMATION]	ed brown. Very stiff, moist, high pla	acticity moderate	ly consitivo	**************************************	- 0.5		129/55	2.3		
becoming light grey and		asticity, moderate	ly sensitive	<-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	Ľ				Samp	
-	•			<-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	L				Disturi 0.5-1.	
-				<pre><-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x</pre>	— 1.0		126/55	2.3		
with minor organic staini	ng			<-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x						
without organic staining				<-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	_					
 becoming insensitive 				<-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	— 1.5		137/75	1.8		
clayey SILT, orange mot	tled light grey. Very stiff, moist, hig	h plasticity		******	F					
-				******* ******* *******	_					
silty CLAY, orange mottle	ed light grey. Stiff, moist, high plast	ticity, insensitive		**************************************	- 2.0		92/58	1.6		
	tled light grey. Stiff, moist, medium			**************************************		∇				
_ fine sandy SILT with min	or clay, light brown. Stiff, wet, low	plasticity, modera	tely sensitive	9	F					
becoming orange mottled	d light brown				— 2.5 –		69/34	2.0		
- -				*****						
becoming light orange m	ottled light grey			******	-					
EOB at 3.0m. Target Dep	oth.			*******	— 3.0 -		79/37	2.1		
- -										
_					- - 3.5					
_					- 3.5					
					- 1					
- -					- - 4.0					
_					- "					
_				-	-					
_					- - 4.5					
-										
-					— 5.0					
- -					-					
-					_					
_					- 5.5					
_					-	1				
-					-					
		Parahala Dia		///// -	- 6.0	<u> </u> :::::::		1::::::	:	11111111
	Comments: Groundwater encountered 2.3m.	Borehole Diameter: 50mm	Topsoil Fill	}}}}}	nd avel		Sandstone Siltstone	2222222	Plutonic No Core	
LANDER	UTP = unable to penetrate.	Checked:	Clay		ganic (%)	******* ******** *******	Limestone	222222	7 110 0016	
geotechnical	EOB = end of borehole.	AB	XXXX		mice		Volcanic	*******	ÿ	

Client :			REEN CITY DEV						Aug	er Bo	orehol			HA16
Project	Locatio	n: 12	25 MURPHYS RO) AD	STAGE 2), FLA	AT BUS	Н	., .		Γ.	I.B. T			of 24
Job Nu	mber:	J(00862					Vane F		Logge F	a By: RG	Process LJ		: 2.02.18
Borehole	mN		mE	Gro	ound R.L.			70	(E)	ng evel	Pa)	ıţ	Sampl	e and
Location:	Description	:	Refer to site plan					Legend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Laborator	y / Other
		so	IL DESCRIPTION	N				Le	۵	St	She	Ser	Deta	
TOPSOIL									-					
_ clayey SILT	, light orange, th some orga	/brown. V	ery stiff, moist, low t	to me	dium plasticity, m	oderatel	у		F					
_									- 0.5		113/49	2.3		
becoming m	ottled light gr	rey							-					
- with minor o	rganic inclus	ione												
becoming in		10115							- 1.0		115/65	1.8		
- ,.														
_									L					
_									- 1.5		114/62	1.8		
-									-					
silty CLAY, o	orange/brown	mottled	light grey. Very stiff,	mois	t, medium plastic	ity,		<-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	- 2.0		106/62	1.7		
insensitive [PUKĔTOKA I	-ORMAT	IONJ								100/02			
becoming w	et, with minor	limonite	staining					(-x-x-x-x-x-x- (-x-x-x-x-x-x-x- (-x-x-x-x	F					
_								<-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	- - 2.5		117/62	1.9		
F							7	-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	- 2.5 -		117/02	1.9		
	ILT, orange r	nottled lig	ght grey. Loose, satu	urated	, no plasticity, m	oderately	,	*****	F	_				
_ sensitive								*****	-	$\Box \nabla$	105/10			
- EOB at 3.0n	n. Target Dep	oth.							— 3.0		135/42	3.2		
									_					
-				¥					-					
-									— 3.5					
-									E					
-									F					
-									- 4.0					
-									-					
-									F					
-									- 4.5					
[F					
_									_					
_ ,									- 5.0					
-									-					
									- - 5.5					
E									E					
-									-					
_									- -6.0					
		Comme	ents:		Borehole Diameter:	Topsoil		Si	and :		Sandstone		Plutonic	
		Ground	water encountered 2	2.7m.	50mm	Fill)// G	ravel		Siltstone	222222222222222222222222222222222222222	No Core	
	DER		nable to penetrate. end of borehole.		Checked:	Clay		Or	ganic	******** ******** *******	Limestone			
geotech	micai	LUB = 6	and of bolenole.		AB	Silt	××××× ×××××	CXXX CXXX	mice	*****	Volcanie	000000	20	

Client :	GREEN CITY DEVE				Aug	er Bo	oreho			HA17
Project Locatio	III. 123 WORTHIO ROA	D (OTAGE 2), TE	AT BOOT	Vane	Head:	Logge	d Bv:	Process		of 24
Job Number:	J00862				1750		.J	LJ		2.02.18
Borehole MN Location: Description	mE : Refer to site plan	Ground R.L.		- pue	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	il tivity	Sample Laborator	e and
Becomption	SOIL DESCRIPTION			Legend	Dept	Stan Water	Va Shear _{peak / r}	Soil Sensitivity	Te Deta	st
_ TOPSOIL		•								
sensitive, with minor lime	nge/brown. Very stiff, moist, no pointe [PUKETOKA FORMATION nottled red/pink, yellow/brown an plasticity, without limonite	ıj			- 0.5 - 0.5 		145/66 203+	2.2	Samp Disturl 0.5-1.	bed
becoming slightly clayey	SILT, light grey/white, no to low	plasticity		7	- - - - 1.5		UTP			
-	ery stiff, low plasticity, insensitiv	e		**************************************	- - 2.0		178/120	1.5		
becoming medium plastic	ity			7 X X X X X X X X X X X X X X X X X X X	- - - 2.5		127/79	1.6		
at 2.9m, becoming slightl no to low plasticity at 3.0m, becoming hard EOB at 3.0m. Target Dep	y clayey SILT, mottled light gre	//white, pink and ye	llow/brown,	**************************************	-3.0		UTP			
-					- 3.5 					
					- - - -4.5 -					
- - - - -					- -5.0 - - -		,			
- - -					-5.5 - - - - - - -					
200	Comments: Groundwater encountered 1.0	Borehole Diameter:	Topsoil	}}}}}	Sand	222222	Sandstone	222222	Plutonic	::::::::::::::::::::::::::::::::::::::
LANDER geotechnical	UTP = unable to penetrate. EOB = end of borehole.	Checked:	Clay	********	Gravel Organic	**************************************	Siltstone Limestone Volcanic	222222	/ V	

Client : Project Locatio	GREEN CITY DEVE				Aug	er Bo	oreho			HA18
		5 (017.02 2), 1 2	20011	Vane h	Head:	Logge	d By:	Process		3 of 24
Job Number:	J00862			19	000 T		L	LJ	12	2.02.18
Borehole mN Location: Description	mE mE n: Refer to site plan	Ground R.L.		Legend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	il tivity	Sample Laborator	
·	SOIL DESCRIPTION	J		Leg	Dep	Star Wate	Va Shea _{peak} /	Soil Sensitivity	Te Deta	st
TOPSOIL					-					
clayey SILT, orange. Stile FORMATION]	ff, moist, low plasticity, moderate	ely sensitive [PUKE]	OKA	**************************************	- - - 0.5		94/24	3.9		
silty CLAY, mottled light sensitive	grey and orange. Very stiff, satu	urated, medium plas	ticity,	**************************************	_ _ 		156/37	4.2		
 becoming orange and re becoming moderately se 	ed/orange streaked light grey, wi	th trace fibrous orga	nic inclúsion	S	_ _ 1.5 _		120/54	2.2		
becoming insensitive					- - - 2.0 -		162/94	1.7		
at 2.5m, with laminated l clayey SILT, pink streak sensitive	bed of limonite ed light grey. Very stiff, saturate	d, medium plasticity	moderately		- 2.5		111/53	2.1		
at 3.0m, becoming sensi	itive, with lamintated bed of limo	nite		**************************************	- 3.0		137/29	4.7		
					- 3.5 - 4.0 - 4.5 - 5.0 - 5.5 					
	Comments:	Borehole Diameter:	Topsoil	Sa	— 6.0		Sandstone		Plutonic	· · · · · · · · · · · · · · · · · · ·
LANDER	Groundwater encountered 0.5 UTP = unable to penetrate.	m. 50mm Checked:	Fill Clay	////	ravel	**************************************	Siltstone Limestone	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No Core	
geotechnical	EOB = end of borehole.	AB	Silt XXX	XXXXX XXXXXX XXXXXX	ımice		Volcania		: V	

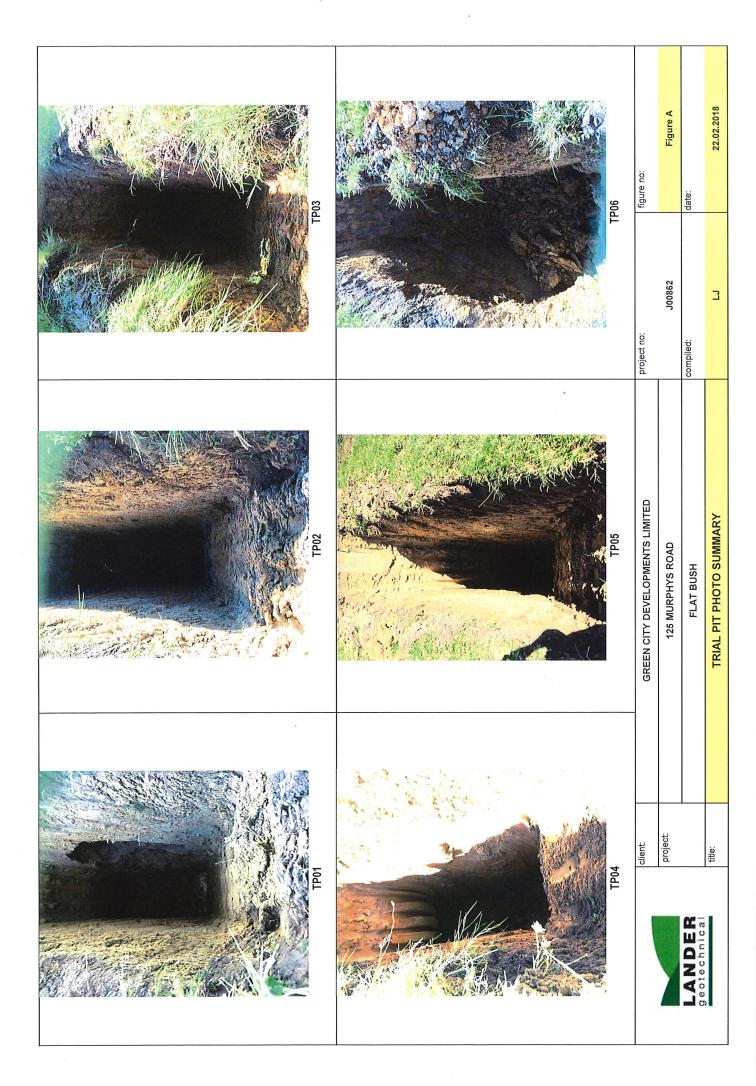
Client : Project Locatio		VELOPMENTS LIN		1	Aug	jer Bo	oreho			HA19 of 24
Job Number:	J00862	(= = -/, ·	2001	⊢	ane Head:	Logge	d By:	Process	or: Date	
Borehole MN Location: Description	mE	Ground R.L.		-	Legend Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}		Sample Laborator	e and
, , , , , , ,	SOIL DESCRIPT	ION			Lege	Star Water	Va Sheal peak / r	Soil Sensitivity	Te: Deta	st
TOPSOIL										
[PUKETOKA FORMATI	vn. Very stiff, moist, medium ON] umiceous clast inclusions	plasticity, moderately	sensitive /		- 0.5		129/57	2.3		
- - - -					- 1.0		127/62	2.0		
- - -					-1.5		106/53	2.0	*	-
with minor fine sand fine sandy SILT, orange	treaked orange. Stiff, moist,			KXX KXX KXX KXX	- 2.0		67/28	2.4		
trace clay becoming wet					_ _ _ 2.5		116/43	2.7		
clayey SILT, orange stre EOB at 3.0m. Target De	eaked light grey. Stiff, wet, m	edium plasticity, mod	erately sens	itive	3.0		84/24	3.5		
- -					- - - - 3.5					
					- 5.5					
-					- 4.0			-		
_					_ - 4.5					
- -					- - - -5.0					
- - -					-					
- - -					- 5.5 - -		,			
-		n			- 6.0	1 1		<u> </u>	:	11111111
	Comments: Groundwater not encounted		Pr: Topsoil Fill		Sand Gravel		Sandstone Siltstone	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Plutonic No Core	
LANDER geotechnical	UTP = unable to penetrate EOB = end of borehole.	Checked	Clay	××××× ×××××	Organic	000000 *******************************	Limestone	******	喜 :	

Client :			REEN CITY DEV						Aug	er Bo	orehol			HA21
Project	Locatio	n: 12	25 MURPHYS RC	JAD (STAGE 2), FLA	(I BOSE	1	Vane F	lead.	Logge	d By:	Process		of 24
Job Nu	mber:	J0	00862						50		J	LJ		.02.18
Borehole	mN		mE	Gro	ound R.L.			р	(m)	Standing Water Level	e <pa) sidual</pa) 	vity	Sample	
Location:	Description		Refer to site plan					Legend	Depth (m)	Stand ater l	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Laboratory Tes	st
TOPSOIL		SO	IL DESCRIPTIO	NC ———						~ >	വ ജ	Ø.	Deta	ils
clayey SILT,	orange/brow KETOKA FO	n. Stiff, m	noist, low plasticity,	mode	rately sensitive, v	vith mino	r		_					
	KLIOKATO	KWATIOI	1 1						_					
-									- 0.5		93/37	2.5		
_									<u>-</u>				Sample	ed
_									_ _ 1.0		93/41	2.3	0.5-1.0)m
_ 	:	OU T	the alliant amount white		rollow/brown with				- 1.0		93/41	2.5		
becoming si	igntly clayey	SILI, mot	tled light grey/white	e and y	ellow/brown, with	iout ilmoi	nite	******* ******* ********						
becoming ve	ery stiff, sensi	tive						******* ******* *******	- 1.5		140/35	4.0		
becoming ye	ellow/brown m	nottled bro	own/grey, saturated	l, with	minor fine to med	dium san	d	******* ******* *******	_	_				
								******** ******** *******	_	\Box			Scala Penetrom	eter
becoming ha	ard								- 2.0		UTP		Test (blows/10	0mm)
		auger fu	rther. Scala penetre	omete	r test commence	d and fou	ınd	<u> </u>					- - 16	
_ effective refu	usal at 2.6m.								-			}	- 15 - 15	
-									— 2.5 -			ŀ	- 20+ (EF	
-									F				ER = Effe Refusal	ective
_									- 3.0					
									-					
-								_	-					
_									- 3.5					
_									-					
-									-					
-									- 4.0					
-									F			-		
_									- -4.5					
-														
-									<u> </u>					
_									- 5.0					
Ŀ									F					
-									F					
-									- 5.5					*
-									F					
- -									- -6.0					
	F 1514	Comme		a. P. a.	Borehole Diameter:	Topsoil		s	and		Sandstone		Plutonic	· · · · · · · · · · · · · · · · · · ·
LAND	DER		vater encountered finable to penetrate.		50mm	Fill			ravel	~~~~~~	Siltstone	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No Core	
LANL geotech			nd of borehole.		Checked:	Clay Silt	××××		rganic Sumice		Limestone	**************************************	第	

Client :		GREEN CITY DEVE	ELOPMENTS LIMITE	ΞD		Aug	er B	oreho	le No.		HA22
Project	Locatio	n: 125 MURPHYS RO	AD (STAGE 2), FLA	T BUSH			,			Sheet 22	of 24
Job Nu	mber:	J00862		,		e Head: 946	Logge	d By: RG	Processe LJ		: 2.02.18
Borehole	mN	mE	Ground R.L.			(F	o v	ba) ual	>	01	
Location:	Description	: Refer to site plan			Leaend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Sample	y / Other
		SOIL DESCRIPTIO	N		له ا	De	St _k	She peak	Sen	Te: Deta	
TOPSOIL						-					
_ clayey SILT,	orange stre	aked light grey. Very stiff, mois	t, low plasticity, moder	ately		*					
sensitive, wi	tn some orga	anic inclusions [FILL]	,			- 0.5		125/62	2.0		
_						1.3		125/02	2.0		
silty CLAY, li	ight orange/b	prown mottled light grey. Stiff, r	noist, medium plasticit	у,	(-x-x-x-x-						
insensitive [F	PUKETOKA	FORMATION]			<-x-x-x-x- <-x-x-x-x- <-x-x-x-x- <-x-x-x-x	- 1.0	∇	91/51	1.8		
-					-x-x-x-x- -x-x-x-x- -x-x-x-x- -x-x-x-x-	-					
						×-× ×-× ×-×					
becoming ve	ery stiff, satur	rated, moderately sensitive			-x-x-x-x- -x-x-x-x-x-	- 1.5		115/36	3.2		
-					-x-x-x-x- -x-x-x-x- -x-x-x-x-						
					-x-x-x- -x-x-x-x- -x-x-x-x-	x-x- x-x- x-x- x-x-					
becoming hat clavey SILT		lard, saturated, low plasticity			(-x-x-x-x- (-x-x-x-x- (-x-x-x-x-	- 2.0		UTP			
-	dan groj. i	iara, cataratoa, ion placticity				※ -					
becoming ve	erv stiff					2.5		186+			
- °	,					 					
_					(XXXX (XXXX (XXXX (XXXX	<u> </u>					
becoming har	ard				(XXXX (XXXX (XXXX	- 3.0		UTP			
-						<u> </u>					
-											
-						- 3.5		UTP			
fine sandy S	ILT, orange i	nottled light grey. Loose, wet,	medium plasticity, mod	derately	****** *****						
	oming orang	e, with some coarse sand				- - _{4.0}		89/35	2.5		
- becoming lig	ht brown/gre	у				t					
-		•			(**** (**** (****	t					
becoming ins	sensitive				***** *****	-4.5		82/49	1.7		
-					****	×F					
_ _					****	F					
EOB at 5.0m	. Target Dep	th.				- 5.0		78/50	1.6		
-						ļ.		2			
- -						- - 5.5					
-						- - -					
_						E			1.0		
-						-6.0					
	Sale of	Comments:	-	Topsoil		Sand	**************************************	Sandstone	2222222	Plutonic	
LAND	ER	Groundwater encountered 1. UTP = unable to penetrate.		Fill Clay		Gravel Organic	ችችችችች ችችችችች ች	Siltstone Limestone	2222222	No Core	$\vdash \vdash \vdash$
geotech		EOB = end of borehole.		Silt **	(XXXXXX (XXXXXX) (XXXXXXX)	Pumice 5		Volcanic	******	\$	

Client : Project	Locatio		REEN CITY DEVI				4	,	Aug	er Bo	oreho			HA23 23 of 24
Job Nu			00862					Vane F		Logge	d By: .J	Process		ate: 12.02.18
Borehole Location:	mN Description:		mE Refer to site plan	Gro	ound R.L.			Legend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	San Labora	nple and tory / Other
			IL DESCRIPTION	ON				Leg	Dep	Sta Wate	Va Shea peak	Sens		Test etails
TOPSOIL w	ith rootlet and	d wood in	clusions						-					
clayey SILT	, light grey mo	ottled yell	low/brown. Very stiff	f, mois	st, low plasticity, r	moderate	ly		_					
sensitive, wi	tn minor iimo	nite [POr	KETOKA FORMATIK	נאכ					- 0.5		114/52	2.2	Sar	nple 1
-									Ē				Dis	turbed -1.0m
becoming slplasticity, wi	ightly clayey s th minor to so	SILT, mo ome limor	ttled light grey/white nite silt inclusions	and y	yellow/brown, no	to low			- 1.0		115/52	2.2		
slightly claye	y SILT, dark	grey. Ha	rd, moist, no to low p	plastic	city [TRANSITION	N]			_					
EOB at 1.5n	n. Too hard to	auger fu	urther. Scala penetro	omete	er test commencd	and four	nd	(XXXXXX (XXXXXX	- 1.5		UTP		- - 20+ ((ER)
-		,							E				Scala Penetro	ometer
- -							7		- 2.0					(100mm)
-									-				Refusa	Effective al
_									2.5		v			
-									-					
- -									- -3.0					
-									-					
									_ - 3.5					
-									- 5.5					
-									-					и
<u> </u>									- 4.0					
[E					
_									- 4.5					
-									-					¥
- -									- -5.0					
-									-		2			
-									-					
-									- 5.5					
									E					
-		T			D			////	- 6.0	>>>>>	:	1:::::		. !:::::::
	44,40	1	water not encounter	ed.	Borehole Diameter: 50mm	Topsoil Fill		}}}}	and ravel		Sandstone Siltstone	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Pluton	- 11111111
LANI			inable to penetrate. end of borehole.		Checked:	Clay	××××	(XXXX	rganic	*****	Limestone	1111111		
9001001					1315	Silt	×××× ×××× ××××	exxx exxx Pu	ımice		Volcanic	*****	ŠŠ	

Client :	Locatio		REEN CITY DE\ 5 MURPHYS RO					,	Aug	er Bo	rehol			HA24 of 24
Job Nu			0862				Vai	ne He 946		Logge	d By:	Process LJ	or: Date	
Borehole Location:	mN Description:	F	mE Refer to site plan	Gro	ound R.L.			Legend	Depth (m)	Standing Water Level	Vane Shear(kPa) _{peak / residual}	Soil Sensitivity	Sample Laborator Te	y / Other st
		SOI	L DESCRIPTI	ON						o §	y g	Š	Deta	ails .
_ TOPSOIL -									-					
clayey SILT insensitive [- - -	, mottled oran FILL]	nge, dark l	prown and light gro	ey. Firn	n, moist, low plas	ticity,			- - - - -		47/27	1.7		
- becoming st - -	iiff								- - - - -		88/46	1.9		
fine sandy S [TRANSITIC - becoming sa	N]	nottled da	rk grey. Loose, m	oist to	wet, no plasticity,	insensitive			- - 1.5 - -		75/49	1.5	Scala Penetron	neter
becoming ex			there Coale would			d at 0.1m			- - 2.0	$oldsymbol{oldsymbol{oldsymbol{ abla}}}$	80/8	10.0	Test (blows/10 –	00mm)
	n. I oo hard to ffective refusa		rther. Scala penet	romete	r test commence	a at 2.1m,		ļ	-				− 11 − 18 − 20+ (El	3)
_								ŀ	- 2.5				ER = Eff Refusal	
-									-					
- -									- 3.0 - -					
- -								ľ	- - - 3.5					
									-					
_									- 4.0					
-									-					
<u>-</u> -									- 4.5 -					
_									- - - 5.0					
_									-				,	
<u>-</u>									- - 5.5					
-									- -					
					Borehole Diameter:	T [N		3 6	-6.0				Plutonic	<u> </u>
		ı	ater encountered		50mm	Topsoil Fill		Sa Gr	avel		Sandstone Siltstone	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No Core	111111111
LANI geotech			nable to penetrate nd of borehole.		Checked:	Clay Silt	(XXXX) (XXXX) (XXXX) (XXXX		ganic amice	**************************************	Limestone Volcanic)	~~	



	Client :				LOPMENTS LIM				Trial	Pit I	No.	T	P01
	Project	Location	on: 12	5 MURPHYS ROA	AD (STAGE 2), FI	LAT BUS	_	,	1.		Sheet		f 6
	Job Nu	mber:	JO	0862				/ane Head: 2007	Logge	-	Process	sor : .J	Date: 16.02.18
aphy	Pit Location:	mN		mE	Ground R.L.			рL	Œ	vater	Jial Jg	rity	Sample and Laboratory Test Details
Stratigraphy	Location.	Description	n: F	Refer to site plan				Legend	Depth (m)	Groundwater	Vane Dial Reading	Soil Sensitivity	mple orator Detai
Sţ			sc	DIL DESCRIPTION	ON					G	> "	လွ	Sa
	TOPSOI	L											
SLUMP DEBRIS	medium	plasticity, v	with trace I		d light grey. Stiff, asional rootlet incl		\$1. \$2. \$2.\$ \$2.\$ \$2.\$ \$2.\$ \$2.\$ \$2.\$ \$2		- 0.5 - 0.5 - 1.0 - 1.5 		101/37	2.7	
	slickensi	ded clay ar	nd limonite	coated discounti		-	n		- - - - - - - - - - - - - -		UTP		
TRANSITIONAL E.C.B.F.] PUKETOKA FORMATION	slity fine	SAND, gre	y to dark ç	grey. Medium den	se, moist, no plas	ticity			- 3.5 - 3.5 				
TRANSI	discontin	uty surface	es	nse, moist, no pla	sticity, with limoni	te coate	b		5.5		UTP		
			Comme	nts:	Excavator Used	1 1 0 0 5 0 1		Sand		Sands	tor	Plu	tonic
			Downslop	e side pit collapse fron		Fill		Gravel		Siltsto	222222	221	Core
	LAND geotech				Checked:	Clay	(XXXXX	Organic	********	Limes	tor		_
			1		0-	Silt	(XXXXXX	∰ Pumice	*****	Volcar	id		

	Client :					PMENTS LIMIT				Trial	Pit N	No.	Т	P 02	
	Project	Locatio	n: 12	5 MURPHY	/S ROAD ((STAGE 2), FLA	T BUSH					Sheet		6	
	Job Nu	mber:	JO	0862			*******************************	Van	e Head: 2007	Logged Jl		Process L		Date: 16.02.1	8
Stratigraphy	Pit Location:	mN Description:		mE Refer to site _l		ound R.L.		-	end	Depth (m)	Groundwater	Vane Dial Reading	il tivity	Sample and Laboratory Test Details	3
tratig		Description							Legend	Depth	round	/ane Read	Soil Sensitivity	amploorate	Š
S			S(OIL DESC	RIPTION						U		0)	s	
SLUMP DEBRIS	becoming becoming becoming becoming becoming becoming clayey Si occasion	Y, light grey I g orange str g moderatel	eaked lig	ght grey ve	tiff, moist,	high plasticity, v						68/28	2.4		
TRANSITIONAL E.C.B.F.	clayey S discontin	ILT, dark gre uty surfaces	ey. Hard, s	, moist, low	plasticity,	with limonite coa	ated			3.0	\square	UTP			
SAN.	fine SAN	D, dark grey	/. Dense	, moist, no	plasticity					4.0					
Ë	EOTD -	12m T 1	agrd to	vocuete f	thor			222		F		UTP			
	EOIP at	4.3m. Too I	iaid to e	xcavate tur	uier.					- 4.5 5.0 					
			Comm	ents:		Excavator Used:	Topsoi		Sand		Sands	stor	Plu	onic	÷ ; ; ; ;
						Robex 145 CR-9	Fill		Gravel	*******	Siltsto	ne	22 No	Core	_
	LANI geotech	nical				Checked:	Clay ::	****** ******	Organic		Limes	stor	滋	_	\dashv

	Client :			REEN CITY DEV							Trial	Pit I			P 03
	Project	Locatio	n: 1	25 MURPHYS RO	JAD	(STAGE 2), FLA	I BUSH	1	\/e== \	lles de	Larri	J D	Sheet		6 Data:
L	Job Nu	mber:	J	00862					Vane I	Head: 007	Logged JI		Process L	or : .J	Date: 16.02.18
aphy	Pit	mN		mE	Gr	ound R.L.				pu	(m)	vater	Dial ng	vity	Sample and Laboratory Test Details
Stratigraphy	Location:	Description:		Refer to site plan				-		Legend	Depth (m)	Groundwater	Vane Dial Reading	Soil Sensitivity	mple orato Deta
Str			S	OIL DESCRIPT	ION						۵	Gro	> ∞	S	Sa Labo
	TOPSOI	L									-				
SLUMP DEBRIS	trace lim		ccasion	light grey. Very s							- 0.5 		66/38	1.7	
			-		••				-x-x-x-x-x -x-x-x-x-x-x -x-x-x-x-x-x	-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	- - 3.0				
B.F.	silty CLA			moist, high plastic					-x-x-x-x-x -x-x-x-x-x-x -x-x-x-x-x-x	-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x			UTP		
TRANSITIONAL E.C.B	clayey S coated d almost ro	iscontinuty s		I, moist, low to m	ediur	n plasticity, with	limonite		X X X X X X X X X X X X X X X X X X X		- - 3.5 - - - - - -				
	EOTP at	4.1m. Too l	hard to	excavate further.					*****	******	- 1	,	UTP		
											-				, as
											- 4.5				
											-				
											_				
							*				- 5.0				
											-				
											-				
											- 5.5 -				
											-				
											-				
\vdash						Excavator Used:	1	1111	11114	12.3	- 6.0		<u> </u>		
			Comm		0.000	Robex 145 CR-9	Topsoi Fill		////	Sand Gravel ∛		Sands Siltsto	22222	222	tonic ####### Core
	LANI		Highly at 3.2	y disturbed slippla !m.	ane	Checked:	Clay	////		Organi (🛣	******* *******	Limes		110	OUIG
	geotech					JL		×××× ××××		organice			nic	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

Job Nu	Location	n · 12						Trial				P 04
			25 MURPHYS RO	OAD (STAGE 2), FLA	T BUSH					Sheet	4 of	6
	mber:	J(00862			Var	ne Head: 2007	Logge JL	1000	Process L		Date: 16.02.18
fydd:	mN		mE	Ground R.L.		_	ъ	(m)	vater	ial ng	rity	Sample and Laboratory Test Details
Stratigraphy Pit Location:	Description:		Refer to site plan			-	Legend	Depth (m)	Groundwater	Vane Dial Reading	Soil Sensitivity	imple orator Detai
Str		S	OIL DESCRIPT	TION			_	۵	Gro	> rc	S	Sa
TOPSOII	L							-				
				plasticity, with minor				- 0.5 - 0.5 				
PUKETOKA FORMATION pecoming	silty CLAY, orange streaked light grey. Very stiff, moist, high plasticity becoming slightly silty CLAY, red/orange and orange streaked light green becoming stiff, insensitive							- 1.5 - 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0	∇	84/46 UTP	1.8	
silty fine			1edium dense, mo					-4.0 - - - - -	Z	OTP		
TRANSITIC			I, moist, low plast	ICITY		***** **** *** *** *** *** *** *** ***		- - - - - - - 5.0		UTP		
EOTP at	5.1m. Too h	nard to e	excavate further.									
		Comm	nents:	Excavator Used:	Topsoi		Sand		Sands	stor	Plu	tonic
				Robex 145 CR-9	Fill		Gravel		•	ne	7771	Core
LANI geotech	DER			Checked:	Clay.	****** *****	Organic	*******	Limes	stor		

	Client :	Locatio				OPMENTS LIMI O (STAGE 2), FL		SH SH			Tria	l Pit			P 05	
		ob Number: J00862									Logge	ed By:	Sheet		6 Date	: :
_	Job Nu	mber:	J	00862 T					_	2007	J		L	J		.02.18
Stratigraphy	Pit Location:	mN Description	n:	mE Refer to site		Ground R.L.				Legend	Depth (m)	Groundwater	Vane Dial Reading	Soil Sensitivity	ple and	Laboratory Test Details
Stra			S	OIL DESC	RIPTION	N				ĭ	Del	Grou	Var Re	Sen	Sarr	abor. D
	TOPSOI	L									-					
				oist, high pla					-x-x-x-1 -x-x-x-1 -x-x-x-1 -x-x-x-1 -x-x-x-1 -x-x-x-1 -x-x-x-1 -x-x-x-1 -x-x-x-1 -x-x-x-1	= x - x - x - x - x - x - x - x - x - x	- 0.5		66/40	1.7		
PUKETOKA FORMATION	medium becominç	plasticity, w	vith trace	e fine sand	sized pum	light grey. Very siceous inclusion	S				-1.5 -1.5 -2.0		101/46	2.2		
	plasticity,	with occas	sional or	ganic inclus	e streaked ions and s	d light grey. Stiff, staining, with trad	wet, lo	w nite			- 3.0 - 3.5 - 3.5		52/24	2.2		
TRANSITIONAL E.C.B.F.	o T	· •		. Medium d		st, low plasticity			XXXX XXXX XXXX XXXX XXXX XXXX XXXX	XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXX	-4.5					
TRA	EOTP at	5.0m. Too	hard to e	excavate fu	rther.		(E)		XXXX XXXX XXXX XXXX XXXX XXXX	XXXXXX XXXXXX XXXXXXX XXXXXX XXXXXX XXXX	- 5.0		UTP			
											- - - 5.5 - - - - -					
			Comm	ents:		Excavator Used:	Topsoi			Sand	, J.,	Sands			onic ‡	******
	LAND	ED				Robex 145 CR-9	Fill			Gravel		Siltsto	ne 2222222			
	geotech	nical				Checked:	Clay Silt	***** ***** *****		Organice Pumice		Limes Volcar	. 000000	選 ※※	+	

	Client :		G	REEN CITY DI	EVELC	PMENTS LIMIT	ED	T		Trial	Pit I		Т	P06	
	Project	Locatio	n: 1	25 MURPHYS	ROAD	(STAGE 2), FLA	T BUSH	1				Sheet	6 of	6	
	Job Nu	ımber:	J	00862				V	ane Head: 2007	Logge J		Process L	or : .J	Date: 16.02.18	3
aphy	Pit Location:	mN		mE		round R.L.		_	pu	(m)	vater	Dial ng	rity	Sample and Laboratory Test Details	
Stratigraphy	Location.	Description:		Refer to site plar	1			-	Legend	Depth (m)	Groundwater	Vane Dial Reading	Soil Sensitivity	imple oratoi Deta	
St			S	OIL DESCRIF	PTION						ą	> "	Š	Sa	
	silty CLA rootlets,	Y, orange s	treaked ne sand	light grey. Stiff I, with minor lim	, moist onite	, medium plastic	ity, with	2.0 cm		- 0.5 - 0.5 				2	
SLUMP DEBRIS		g moderatel g orange str	with so	me fine sand		- 20 (20) - 20 (20)		- - - - - - - - - - - - - - - - - - -	_\Z	90/24	3.8				
TRANSITIONAL E.C. <u>B.F.</u>	clayey S	ILT, dark gre	ey. Very	stiff, moist, low	<i>ı</i> plasti	city	Ť.			- 2.5 - 3.0 - 3.5 - 3.5	∇				
TRANSI		g hard, almo	,	excavate furthe				XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		- 4.0 -		UTP			
	LOTE at	7.5III. 100 I	iaiu to	escavate turine						- 4.5 		4			
	LAND	DER	Comm Pit colla and dov	ents: pse from 0.5m on u vnslope sides.	pslope	Excavator Used: Robex 145 CR-9 Checked:	Topsoi Fill Clay		Sand Gravel	-6.0	Sands Siltsto Limes	ne 2222222	No	onic	; + ; + + ; + + ; + + ;

	Client :	GREEN CIT	Y DEVELO	DPMI	ENTS	LIMIT	ED						MH01		
	Project Location	n: 125 MURPI FLAT BUSH	HYS ROAD	(ST	AGE 2	2),							Sh	eet 1 o	2
	Job Number:	ob Number: J00862 Borehole mN mE						Vane Head: 1900		ged I	Ву: Р	rocess	sor :		e: 12.02.18 te: 12.02.18
<u>_</u> کر		mE				Grou	ınd R.L.	1,000			Poc	П			
Stratigraphy	Location: Description	n: Refer to site plan					ntation:	vertical		sroundwater Piezometer	ng Meth	ery (°	RQD (%)	ole ar orator Detai	Dial Sitivity SPT
Strati	CORE	DESCRIPTION		egend.	Depth (m)		DEF	ECTS		Groundwater/ Piezometer	Drilling Method & Casing		RQ	Sample and Laboratory Test Details	Vane Dial / Sensitivity & SPT
H	TOPSOIL				-										
	silty CLAY, orange/brown moderately sensitive	n. Very stiff, moist, medi	um plasticity,	x-x-x-x-x- x-x-x-x-x-							CASING	78		/60	
	becoming orange mottled	d light grey		x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-	 0.5 		Б	entonite ——			BARREL WITH				166/46 - 3.6
	E			x-x-x-x-x- x-x-x-x-x- x-x-x-x-x-x- x-	-			entonite —			REL	84			
	clayey SILT, orange strea plasticity	aked light grey. Stiff, mo	ist, low	****** ***** ***** *****	- 1.0						BAR				103/50 - 2.1
	<u> </u>			XXXXX XXXXX XXXXX XXXXX XXXXX	-						OPEN	100			
tion	becoming moderately ser	nsitive		XXXXX XXXXX XXXXX XXXXX XXXXX	- 1.5 - -				1			PT			81/37 - 2.2 SPT at 1.5-1.95m
Puketoka Formation	E			XXXXX XXXXX XXXXX XXXXX	٤؞؞ٳ						OPEN BARREL	S			1/2/6 N=8
toka F	Ē			***** ***** ***** *****	- 2.0 - -						PEN I				
Puke	<u> </u>			***** ***** ***** ****	2.5						0	29			
	Ė			X	E		Scree 1.5-1	ened from 5.5m				$ $ ^{\sim} $ $			
	fine sandy SILT, orange s	streaked light grey. Ven	Loose	***** ***** *****	- - 3.0							Ш			67/34 - 2.0
	moist, no plasticity	streaked light grey. Very	20036,						2000			SPT	1		SPT at 3.0-3.45m 1/1/0
	becoming light grey strea	ked orange, with some	imonite	× × × × × × × × × × × × × × × × × × ×	3.5							$\stackrel{\circ}{\vdash}$			N=1
	-			× × × × × × × × × × × × × × × × × × ×	-		Grave	el Backfill ———							
	<u>-</u>			× × × × × × × × × × × × × × × × × × ×	4.0				8000			19			40/11 - 3.6
	at 4.4m, with 2 laminated			× × × × × × × × × × × × × × × × × × ×					2000						
	_silty CLAY, dark grey. Ha occasional thin to modera some fine sand	rd, moist, medium plast ately thin beds of clayey	city, with	x-x-x-x-x- x-x-x-x-x-x- x-x-x-x-x-x-x-x	- 4.5				2000						190/40 - 4.8 SPT at
			-3 -3 -3 -3 -3	x-x-x-x-x- x-x-x-x-x-x-x-x-x-x-x-x-x-x-								SPT			4.5-4.95m 3/5/7 N=12
	_		-3 -3 -3 -3 -3	x-x-x-x-x- x-x-x-x-x- x-x-x-x-x-x- x-x-x-x-x-x-	- 5.0				1						
Transitional East Coast Bays Formation	slightly clayey fine SAND	, dark grey. Medium der	ise, moist, no	x-x-x-x-x- x-x-x-x-x-	-				2000						
s Forr	to low plasticity, with occa	asional rounded fine gra	vel inclusions		- 5.5							62			
st Bay	_				- - - 6.0				2000						
t Coa	E				-				20000			SPT			SPT at 6.0-6.45m
al Eas	_				- - 6.5				2000						3/5/8 N=13
sitions	slightly clayey SILT, dark	grov Modium donoo m	oist no to	· · · · · · · · · · · · · · · · · · ·					2000			82			
Tran	low plasticity fine SAND, dark grey. De		oist, no to	***** ******	- - 7.0				20000			"	_		UTP
	=				-	1DI, 9	90°, PL, R4	ŀ	2000		TUBE				
	_				7.5	7.5-7.	7m, 3DI, 9	0°, PL, R4	20000		RIPLE.	100			
	E					1JN, 4	45°, PL, R	4	2000		TL				
H		Comments:	l:	::::::	B.0 Drilling	Fluid:	Topsoil	Sand	1	<i>M</i> :	S	andsto	ne∷	Pluto	nic ::::::::
					wa		Fill	Grav		****	3888	iltstone	7 7	222222 222222 2222222 No C	
	LANDER geotechnical Driller: Pro-Drill Rig: Tracto			Checked: Clay		Orgai		**************************************	****	mesto	~~	**************************************			
1		Dillion To Dilli	Rig: Tractor R	9		_	Silt	xxxxxxxx Pumi	ue	9999	ァウ수역V	olcanic	V V	~~~~~	

	Client :		GREE	N CITY DE	VELOPM	ENTS	LIMITI	ED	Mach	ine	Bor	eho	le N	No.	МН	01
	Project	Locatio	n: 125 M FLAT	URPHYS R	OAD (ST	AGE 2	2),						Sh	eet 2	of 2	
	Job Nu	ımber:	J0086						Vane Head: L	ogged JL	Ву: Р	roces: LJ	sor :			2.02.18 12.02.18
ohy	Borehole	mN		mE			Groui	nd R.L.		ater/ ter	thod	(%)	(0	and ory	2	al / ity
Stratigraphy	Location:	Description	: Refer to site	e plan	1 8	-		ntation:	vertical	Groundwater/ Piezometer	Sasing	Recovery	RQD (%)	Sample and Laboratory	3	Vane Dial / Sensitivity & SPT
Stra		CORE	DESCRIPTIO	N	Legend	Depth (m)		DEF	ECTS	Grou	Drilling Method	Reco	RQ	San	3	Var Sel &
I E.C.B.F.	- - -					- - - 8.5	8.45-8	.75m, 1J	N, 10°, PL, R2-R1		E TUBE	SPT			8	SPT at .0-8.45m 9/10/13 N=23
Transitional	slightly we	athered, dark g	grey, SILTSTONE		Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	9.0		.5m, Cha 10°, PL, I	otically Fractured,		TRIPLE	100	0			
	-					9.5						SPT	PT		9	SPT at .5-9.86m 17/30/20
	becoming	unweathered,	weak			- - 10.0 - -	2JN, 8	80°, PL, R				S	S		. fo	or 60mm N>50
	becoming	fine to medium	n grained			_ 10.5 _ _ _ _	(infill 2	2-3 thick)	N, 20°, PL, R4, Cl ened from 5.5m			88	38			
drock	Linwaathar	red dark grey	SILTSTONE; we	ak	22222	- 11.0 - - - -	11.4-1	2.3m, 2J	N, 10°-20°, PL,			SPT	SPT		11.	SPT at .0-11.40m 20/29/21 or 115mm N>50
Formation Bedrock		od, dank groy,	3.2.3.3.1 <u></u>	ui	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11.5 - - - - 12.0			ally Fractured			66	30			
East Coast Bays		red, dark grey, eous inclusions	SANDSTONE; w	eak, with trace	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	 _ _ 12.5 _ _ _	12.4-1	2.5m, 2D	il, 90°, PL, R4			SPT	SPT		12.	SPT at .5-12.60m 50 rr 100mm N>50
Ш	unweather occasional	red, dark grey, I laminated bed	SILTSTONE; ver ds of fine sand	y weak, with	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13.0	1JN, 4 13.3-1	15°, PL, R 4.0m, 3D	aotically Fracture 11, CL II/CN, 90°, PL, R4 sand beds							
	with mode	rately thick bed	d of hard, low pla	sticity, clayey S	ILT 22222 22222 22222 22222 22222 22222 2222	13.5 - - - - 14.0	13.4-1		N, 0°, PL, R2, CL			100	71		_	SPT at
	with mode	rately thin bed	of hard, low plas	ticity, clayey SI	LT 2222 22222 22222 22222 22222 22222 22222	14.5		4.7m, 1J	N, 45°, PL, R2			SPT	SPT			.0-14.34m 23/41/9 or 35mm N>50
	- - - -				2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	15.0	with la 2JN, 0	minated o°, PL, R2	ol/CN, 90°, PL, R4 sand beds c, CH ol, 90°, PL, R4			92	91			ODT -4
	EOB at 15.5m. Target Depth.					15.5 - - - - - -						ĬŞΡΤ			15.	SPT at .5-15.74m 26/50 or 85mm N>50
			Comments:			Drilling	-	Topsoil	Sand		s	andsto	ne	P	lutonic	********
	Some water loss at 11.4-12						ater	Fill	Grave	*****	****	Siltston	益	222222 N	o Core	
	LAN geotec		Driller: Pro-Drill	Rig: T	ractor Rig	TL	cked:	Clay	Organi	2222	, TO THE STATE OF	imesto	ne 臣	******		

	Client :	GREEN CIT	Y DEVELOPI	MENTS	LIMIT	TED	Mach	ine	- E	3ore	eho	le l	No. 1	лн02
	Project Locatio	n: 125 MURPH FLAT BUSH	HYS ROAD (S	TAGE :	2),							Sh	neet 1 of	2
	Job Number:	J00862	1,				Vane Head: Lo	ogge JL	d E	By: Pr	oces	sor:		e: 13.02.18 e: 13.02.18
hy	Borehole mN	mE			Gro	und R.L.		ter/	ē	pod	(%)			
Stratigraphy	Location: Description	: Refer to site plan			_	entation:	vertical	Groundwater/	Piezometer	ng Meth Casing	very (RQD (%)	Sample and Laboratory Test Details	Vane Dial / Sensitivity & SPT
Stra	CORE	DESCRIPTION	eaend	Depth (m)		DEF	ECTS	Grou	Piez	Drilling Method & Casing	Recovery	RQ	Sam Lab Test	Van Ser &
	TOPSOIL									CASING				
	silty CLAY, orange. Very		-x-x-x-	-						T CAS	72			
	becoming light grey strea with trace limonite	ked orange, with trace f	ne sand,	- 0.5		В	sentonite —			WITH				89/66 - 1.3
	F		-x-x-x- -x-x-x- -x-x-x-							BARREL	72	e.	9	
0	becoming very stiff, with inclusions	minor sand sized white	oumiceous	1.0						N BAF				113/69 - 1.6
Debri	F		-x-x-x- -x-x-x- -x-x-x- -x-x-x-	-x- -x- -x- -x-						OPEN	72			
Slump Debris	becoming stiff, moderate	y sensitive	-x-x-x- -x-x-x- -x-x-x- -x-x-x-	1 .5						ZEL	PT			75/37 - 2.0 SPT at 1.5-1.45m
S	clayey SILT, orange mott	led light grey. Very stiff,	moist, low							BARREL	S			1/2/6 N=8
	plasticity, with trace fine s silty fine SAND, orange s	treaked light grey. Medi	um dense,	2.0						OPEN				
	_ moist, no plasticity, with n	ninor ilmonite	- X - X - X - X - X - X - X - X - X - X	2.5						O	_			
	-		#			Scree 1.5-1	ened from				51			
	_		* * * * * * * * * * * * * * * * * * *	3.0		1.0							_	81/26 - 3.1
B.F.	clayey SILT, dark grey. H	ard, moist, low plasticity	, with trace	\$ 0.0 \$ 2 \$ 2 \$ 3 \$ 3 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4							PT			SPT at 3.0-3.45m
E.C.			X X X X X X X X X X X X X X X X X X X	3.5									2/3/6 N=9	
sitional	Ė		X X X X X X X X X X X X X X X X X X X			Grave	vel Backfill →							
Transi	_slightly weathered, dark g		emely to	— 4.0										
	very weak, with trace carb becoming weak	Jonaceous inclusions		Ē	13.4	1.6m 1.IN	20° DI B4 CI			TUBE				
	_			- -4.5	and I	4.3-4.6m, 1JN, 20°, PL, R4, CL and LM				TRIPLE	93	37		UTP
	_ slightly weathered, dark g	rey, SILTSTONE; very	weak ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						F				
	<u>-</u>		Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	5.0										SPT at 5.0-5.44m
ock	-		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 22 22 -							SPT	SPT		15/23/27 for 140mm
Formation Bedrock	_		XXX XXX XXX XXX	5.5										N>50
natior	Ē		X X X X X X X X X X X X X X X X X X X			0-10°, PL, 20°, PL, R								
s For	-			6.0							85	0		
t Bays	at 6.2m, with moderately slightly weathred, dark gre		XXX	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		20°, UN, R 3.5m, Chao	3 tically Fractured							
East Coast	-		222 222 222 222	6.5										SPT at 6.5-6.94m
East	E										SPT	SPT		28/28/22 for 140mm
	with thin bed of soft, high	plasticity clay	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7.0			aotically Fractured 90°, PL, R4						•	N>50
	F	• •					1							
	with moderately thick bed	of hard, low plasticity, o	layey SILT	7.5							100	47		
	slightly weathered, dark g trace carbonaceous inclus	weak, with	- 8.0	7.8-8	3.0m, 2DI, 9	90°, PL, R4								
			Drillin	g Fluid: ater	Topoon	Sand	:: ::		3555		2 2	Pluto		
	LANDER			cked:	Fill Clay	Gravel Organic	***	***	****	iltston	益	22222 No C	ore	
	geotechnical	Rig: Tractor Rig	J		Silt	××××××××××××××××××××××××××××××××××××××	***	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		olcanio	**	*******		

	Client			N CITY DEVE				Macl	nine l	Bore	eho			MH02	
	Project	Locatio	n: 125 MU FLAT I	JRPHYS RO BUSH	AD (ST	AGE 2	.),	Vane Head: L	ogaed I	By: Pr	oces		eet 2 o	2	2.40
	Job Nu	ımber:	J00862	2				1900	JL		LJ		Finish Da		
aphy	Borehole	I		mE			Ground R.L.		Groundwater/ Piezometer	Drilling Method . & Casing	y (%)	(%)	Sample and Laboratory Test Details)ial /	ا ا
Stratigraphy	Location:	Description			pueße.	t c	Orientation:	vertical	Sroundwater Piezometer	ling M & Cas	Recovery (%)	RQD (%)	ample abora est De	Vane Dial /	S SF
St		CORE	DESCRIPTIO	N 	Lege	Depth (m)	DEF	ECTS	<u> </u>	Driii	Re	<u></u>	ığ ¬ ₽	SPT	
	Ė						8.14-9.0m, 9DI,	90°, PL, R3-R4		TUBE	R F	SP.	,	8.0-8. ⁻ 50	.14m 0
	- 100 000		ard, moist, low pl		XXXX XXXX XXXX	8.5				l III		,		for 135 N>5	
	with mode	rately thin bed	of weak, dark gre	y SILTSTONE	XXXX XXXX XXXX XXXX XXXX	1				TRIPLI	0	10	-		
	unweathe	rod dark gray	SILTSTONE; wea	ak	XXXXX XXXXX XXXXX 2222	9.0	9.0-9.5m, 4DI, 9	90°, PL, R4			100	45			
	L	red, dark grey,	OILTOTONE, WC	AIX	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22 -									
Bedrock	-				2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9.5					_	<u></u>		SPT 9.5-9.	
n Bec	F	-thth-dad-	C 1 1:		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9.82-11.0m, 4D	I. 90°. PL. R4			SPT	SPT		32/4 for 20	1/9
Formation	SANDSTO	eathered, dark g DNE; very weak	rey, fine to medi	ım grained,		10.0		,, , - =,						N>5	50
/s For	-														
Coast Bays	-					10.5	Scree 1.5-1	ened from 2.5m			62	4			
t Coa	with mode	erately thin bed	of dark grey, den	se fine SAND										SPT	
East	-					- 11.0					SPT	SPT	. 1	11.0-11 50 for 12	0
	unweathe	red, dark grey,	SILTSTONE; wea	ak	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	1CN, 90°, PL, R				S	S		N>5	
	-				2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11.5	Grave	el Backfill ——	- 8						
					2222 2222 2222 2222 2222	2	1CN, 90°, PL, F	R4			93	73			
		red, dark grey, of dense fine S	SANDSTONE; w AND	eak, with occasio	na	12.0									
	F									1				→ SPT 12.5-12	
Г	EOB at 1	2.5m. Target De	epth.		—	12.5					SP	SPT		for 12	0 !5mm
	-					-						ارقا		N>	50
	-					13.0									
	-					F									
	<u>-</u>					13.5									
	Ē					Ė.,,									
	E					14.0									
	Ė					14.5									
	F					- 14.3									
	E					15.0									
	-					- 10.0									
	E					15.5									
l	Ė					Ē									
L	_					16.0			<u> </u>	1		<u> </u>		1	.44417
			Comments:	a started at 40.0			g Fluid: Topsoil	Sand	5555	4000	andst Siltstor	2 2	7777777	tonic :::	+++++
	LAN		vvater loss	s started at 12.0r	l.		Fill Clay	////// Grave	*****	****	imest	喜	ZZZZZZ NO	Core	
	geotec		Driller: Pro-Drill	Rig: Tra	tor Rig	1]	Silt	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	се	*****	/olcar	nic V	() () () () () ()		