

EXCAVATION LOG

EXCAVATION No: TP5 Location: Refer to Site Plan

SHEET....! OF!

CO-ORD	INAT	ES mN mE						LOCATION: East Tamaki/Otahuhu JOB No: 21061 EXPOSURE TYPE: Pit HOLE STARTED: 17/10/03 EQUIPMENT: 12t Excavator HOLE FINISHED: 17/10/03
R.L. DATUM		m						OPERATOR: Lee - Contract Landscapes LOGGED BY: D.L.R DIMENSIONS: CHECKED BY:
EXCAVA:	TION	TESTS				EN	IGINI	EERING DESCRIPTION GEOLOGICAL
-1 -2 PENETRATION -3 SUPPORT	WATER	SAMPLES, TESTS	1	R.L. (m)	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	SOIL NAME, PLASTICITY OR PARTICLE SIZE CHARACTERISTICS, COLOUR, SECONDARY AND MINOR COMPONENTS SECONDARY AND MINOR COMPONENTS ORIGIN TYPE, MINERAL COMPOSITION, DEFECTS, STRUCTURE
		6			1	X X X X X X X X X X X X X X X X X X X	GW ML	SILT, stiff, moist, light brown SILT, moist, stiff to very stiff, light brown, some white pumiceous pebbles up to medium gravel sized. Metal pipes, wood. Fine to medium GRAVEL with some coarse sand, wet, tightly packed, dark brown. SILT, stiff, moist, moderately plastic, light brown with orangey brown mottles. M St/VS FILL (including, constru debris) Crushed aggregate FILL ALLUVIUM (PUKETOK FORMATION)
					3	×		END OF TEST PIT AT 3m
SKETCH								
						1		
						T		
			+	-		+		
			+	+		+		
							STEELS!	
							- 17.5	







TONKIN & TAYLOR LTD **EXCAVATION LOG**

EXCAV	ATION	No:	TP6
Location	Refer to	Site Pl	an

SHEET...... OF

PROJ	EC	T: W	/aiouru Peninsula	to SH1 Lin	k				LOCA	TION:	East Tar	naki/Otahul	hu			JOE	No:	21061		
co-o	RD	INAT	ES mN mE						XPOSUF QUIPME	RE TYPE		cavator				TART		17/10/ 17/10/		
R.L.			m						PERATO			Cavator Contract Lar	ndscape				LU.	D.L.R		
DATU									IMENSIO	_						ED BY				
EXCA	VA	TION	TESTS			EN	GINE	ERING D	ESCRIP	TION				(2)		_	GEOL	.OGICAL		_
-1 -2 PENETRATION -3	SUPPORT	WATER	SAMPLES, TESTS	R.L. (m)	DEРТН (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL		PARTICLE S	DIL NAME, PL SIZE CHARAC ARY AND MII	CTERISTICS	COLOUR,		MOISTURE /WEATHERING	STR	55 SHEAR SW SHEAR STRENGTH		ORIGIN TY ERAL COMP FECTS, STRI	OSITION,	TINO
						. 00000	GW	Fine to m tightly pa	edium Gl cked, dar	RAVEL w k brown.	ith some	coarse sand	l, wet,	W	TP			ered comp te FILL	acted crushed	
						× × × × ×	МН	SILT, ver brown me		oist, light	orangey g	grey with or	angey	М	VSt		ALLUV FORMA	TUM (PU ATION)	KETOKA	
					1			END OF	TEST P	IT AT 1n	1									
					-															
					2-															
					-															
					3-															
ЕТСН	T					T									T	шш				
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						T												21061.00		

NZGD ID: TP_113114







EXCAVATION LOG

EXCAVATION No: TP7
Location: Refer to Site Plan

SHEET..... OF

C	O-OF		Waiouru ATES	Peninsula mN mE	to S	HI Link	Κ			E	LOCATION: XPOSURE TYP QUIPMENT:	E: Pit 12t E	maki/Otal		H	OLE S	STAR	TE	D:	17/10/0 17/10/0		
	LL.	4		m							PERATOR: MENSIONS:	Lee -	Contract I	andscape		HECK				D.L.R		
E	XCA	ATIC	N TEST	S				EN	IGINE		ESCRIPTION						_		GEOLO	GICAL		_
	2 PENETRATION	WATER	SAMP	LES, TESTS		R.L. (m)	ДЕРТН (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL		SOIL NAME, PARTICLE SIZE CHAI SECONDARY AND		s, colour,		MOISTURE /WEATHERING	STRENGTH / DENSITY CLASSIFICATION	25 25 30 SHEAR		MINER	ORIGIN TYP RAL COMPO CTS, STRU	OSITION,	
								0000	GW	Fine to m tightly pac	edium GRAVEL cked, dark brown	with some	coarse sa	nd, wet,	W	TP			Engineere aggregate	d compa FILL	cted crushe	d
7									1	CLAY, st	iff, wet, highly p	astic, light	grey.			St			ALLUVII FORMAT	JM (PUR ION)	KETOKA	
		T					1-	===		END OF	TEST PIT AT	m										
							-															
							2-															
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EXCAVATION LOG

EXCAVATION No: TP8 Location: Refer to Site Plan

SHEET...... OF

EXCAVATION TESTS ENGINEERING DESCRIPTION SOIL NAME, PLASTICITY OR PARTICLE SIZE CHARACTERISTICS, COLOUR, SECONDARY AND MINOR COMPONENTS SECONDARY AND MINOR COMPONENTS OFFICE TS, STRUCTURE FINE to medium GRAVEL with some coarse sand, wet, tightly packed, dark brown. Filter cloth at base. GEOLOGICAL ORIGIN TYPE, MINERAL COMPOSITION OEFECTS, STRUCTURE ORIGIN TYPE, MINERAL COMPOSITION OEFECTS, STRUCTURE OFFICE TS, STRUCTURE OFFI	CO-ORDINA	Waiouru Peninsula to S TES mN mE m	TT Duk			EXPOSURE TYPE: Pit EQUIPMENT: 12t Excavator OPERATOR: Lee - Contract Landscap	Hoes LO	OLE I		ED: 17/10/03 ED: 17/10/03 D.L.R
SAMPLES, TESTS Solution Solu		N TESTS		ENG	INFERI	DIMENSIONS:	CI	HECH	KED BY	
END OF TEST PIT AT 1.5m Engineered compacted aggregate Fill. Engineered compacted aggregate	PENETRATION SUPPORT WATER		R.L. (m) DEPTH (m)	T		SOIL NAME, PLASTICITY OR PARTICLE SIZE CHARACTERISTICS, COLOUR,	MOISTURE /WEATHERING	STRENGTH / DENSITY CLASSIFICATION	1	ORIGIN TYPE, MINERAL COMPOSITION, DEFECTS, STRUCTURE
)		- - 1-	000000000000000000000000000000000000000	tigi	atly packed, dark brown. Filter cloth at base. AY, stiff, moist, highly plastic, dark grey with				Engineered compacted crust aggregate FILL ALLUVIUM (PUKETOKA
	+		-	=	EN	D OF TEST PIT AT 1.5m	+			
SKETCH			-							
	KETCH									







EXCAVATION LOG

EXCAVATION No: TP9 Location: Refer to Site Plan

PROJ	JEC	T: V	Vaiouru Peninsula to	SHI Lin	k				LOCA	TION:	East Ta	maki/Otah	uhu	-			IOB	No: 2	1061	
co-o	RD	INAT							EXPOSUR				- 1200000000		OLE S				17/10/03	
			mE						EQUIPMEN			xcavator			OLE F				17/10/03	
R.L. DATU	IN.A		m						OPERATO DIMENSIO		Lee -	Contract L	andscape		JGGE HECK				D.L.R	
		TION	TESTS			EN	IGINE	ERING	DESCRIPT					- 01	ILON	LU	01	GEOLO	GICAL	-
PENETRATION	SUPPORT	WATER	SAMPLES, TESTS	R.L. (m)	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL		PARTICLE SI	ZE CHARA	LASTICITY (CTERISTIC:	s, colour,		MOISTURE /WEATHERING	STRENGTH / DENSITY CLASSIFICATION		T 100 T 200 STRENGTH		RIGIN TYPE, AL COMPOSITI TS, STRUCTU	
					1-	× ×		tightly flowin	medium GR packed, dark g at base.	brown.	Filter clo			W	TP			Engineered aggregate	I compacted FILL M (PUKET	3
					-	× × × × × ×			1. T. C.									FORMATI	ON)	
					2-			END C	OF TEST PI	rati.	5m									
KETCH	L					1									1	-	1			_
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TP10

No photo



EXCAVATION LOG

EXCAVATION No: TP10 Location: Refer to Site Plan

SHEET....! OF

CO-OR		aiouru Peninsula t ES mN mE					EXPOSURE TYPE: Pit HOLE STARTED: 17/10/03 EQUIPMENT: 12t Excavator HOLE FINISHED: 17/10/03
R.L. DATUM	1	m					OPERATOR: Lee - Contract Landscapes LOGGED BY: D.L.R DIMENSIONS: CHECKED BY:
EXCAV		TESTS			EN	GINE	ERING DESCRIPTION GEOLOGICAL
PENETRATION	WATER	SAMPLES, TESTS	R.L. (m)	DEРТН (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	SOIL NAME, PLASTICITY OR PARTICLE SIZE CHARACTERISTICS, COLOUR, SECONDARY AND MINOR COMPONENTS SUBJECT BY A STREET BY A STR
						GW	Fine to medium GRAVEL with some coarse sand, wet, tightly packed, dark brown. Filter cloth at 0.5m. Water flowing at base.
				1 -	× × × × ×	МН	SILT, very stiff, wet, dark grey. VSt ALLUVIUM (PUKETOK FORMATION)
\mathbb{H}	\top						END OF TEST PIT AT 1.5m
				2 -			
							1 111111
				3-			
SKETCH							
					+		
			-	-	-		
			-		+		
-3							
1		1 1	T:				



EXCAVATION LOG

EXCAVATION No: TP12 Location: Refer to Site Plan

SHEET....... OF

CO-G	ORDIN	IATE	mE				110-2		27.	EXPOSURE TYPE: EQUIPMENT: OPERATOR:	12t Excav	ator tract Landso	H	OLE :	FIN	ISH	IED: 17/	/10/03 /10/03 L.R
DAT	JM		m							DIMENSIONS:	LCC - COII	dact Lanus		HECH			<i>(</i> :	
EXC	AVAT	ТИО	ESTS				EN	GINE	ERING	DESCRIPTION			10		_	_	GEOLOGIC	AL
PENETRATION	SUPPORT	WAIER	SAMPLES, TESTS		R.L. (m)	DEРТН (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL		SOIL NAME, PLI PARTICLE SIZE CHARAC SECONDARY AND MIN	reristics, co		MOISTURE /WEATHERING	STRENGTH / DENSITY CLASSIFICATION		SHEAR STRENGTH		IN TYPE, OMPOSITION, STRUCTURE
HH	H	†		T			ž _{&}	OL	SILT,	very stiff, wet, dark bro	wn, roots.		W	VSt	Ш	T	TOPSOIL	
		• 14	45/65kPa				*******	ML	basalt	very stiff, wet, dark bro boulders, rootlets, water	r seeping.	nd branches,					FILL	-
						1-	× × × ×	ML	SILT,	very stiff, moist, dark t	rown.		М				TOPSOIL/FIL	L
		• 17	70/46kPa			2-	× × × × × × × × ×	ML	SILT, orange	very stiff, moderate pla ey brown mottles.	sticity, light	grey with					ALLUVIUM (FORMATION	PUKETOKA)
Ш		• 17	78/61kPa			_	× × ×		END (OF TEST PIT AT 2.5								
						3-												
SKETCH																		
-									-					-				
		1		+	-		+											
		1		+	+													
1	-			-	-		+		1				-	-				







EXCAVATION LOG

EXCAVATION No: TP13
Location: Refer to Site Plan

SHEET..... OF

PRO	JEC	T: W	Vaiouru Peninsula to S	H1 Link		* * * * *			LOCATION:	East Ta	maki/Otahuhu				JOB	No:	21061		
CO-C	RD	INAT	ES mN mE						XPOSURE TYPE		ccavator		OLE S				17/10/0 17/10/0		
R.L.	18.4		m						PERATOR: DIMENSIONS:	Lee -	Contract Landscap		OGGE HECK				D.L.R		
		TION	TESTS			EN	IGINE		DESCRIPTION				ILON	LU	БІ	~~	OGICAL		
2 PENETRATION	SUPPORT	WATER	SAMPLES, TESTS	R.L. (m)	DЕРТН (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL		SOIL NAME, PI PARTICLE SIZE CHARA: SECONDARY AND MI	CTERISTICS	S, COLOUR, ONENTS	MOISTURE /WEATHERING	STRENGTH / DENSITY CLASSIFICATION		L 100 STRENGTH		ORIGIN TYPERAL COMPO	SITION,	Aller
			74/15kPa 104/37kPa		1-	× × × × × × × × × × × × × × × × × × ×	OL ML	-200mm	ry stiff, moist, dark oist, stiff, dark brow thick, white, pumic			М	St			TOPSOI FILL	L		
			92/41kPa 148/41kPa		-	× × × × × × × ×	OL ML	SILT, vei	eping. ff, wet, dark brown, ry stiff, moist, mode ngey brown mottles.	rate plas		M	VSt			TOPSOI ALLUVI FORMA	UM (PUK	ETOKA	
			133/7kPa		-	× × × × × ×													
					3-			END OF	TEST PIT 2.5m				-						
SKETCH																2 Pet 150 200 2			
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EXCAVATION LOG

EXCAV.	ATION	No:	TP14
Location:	Refer to	Site Pl	an

SHEET....1.... OF1

	RDINA	Waiouru Peninsula TES mN	to still b	Hux		11775	EXPOSURE TYP				START	
R.L.		mE m					EQUIPMENT: OPERATOR:	12t Excavator Lee - Contract Lands	capes L	ogg	FINISH ED BY: KED BY	D.L.R
DATU		N TESTS			EN	GINE	DIMENSIONS: ERING DESCRIPTION			TILO	NCD B1	GEOLOGICAL
PENETRATION	SUPPORT	SAMPLES, TESTS	R.L. (m)	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	PARTICLE SIZE CHAR	PLASTICITY OR ACTERISTICS, COLOUR, BINOR COMPONENTS	MOISTURE /MEATHERING	STRENGTH / DENSITY CLASSIFICATION	10 ESTIMATED 50 SHEAR 100 STRENGTH	
1111			П		×.	OL	SILT, stiff, moist, dark bro	wn, roots.	M	St		TOPSOIL
	-	•62/12kPa		1-	× × × × × × × × × × × × × × × × × × ×	ML	SILT, stiff, wet, dark brown layer 0.3m-0.4m, wood, ro	otlets.	. W	F/St		FILL
1	H				×		END OF TEST PIT AT 1	5m	-		HHH	
				3-								
SKETCH												
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