TASMANIA DEPARTMENT OF MINES

Ref No 14687

ENGINEERING LOG – CORED BOREHOLE

35 262

borehole no. 7
sheet 1 of 2

project INTERNATIONAL HOTEL — location NETTLE FOLDS BUILDING

co-ordinates
R.L 2.016m
inclination VERT.
bearing

drill type LONGYEAR 38
drill method Triple Tube
drill fluid Water

hole commenced 3/12/84
hole completed 4/12/84
drilled by L. Newman
logged by R.D
checked by JS

drilling information						rock substance				rock mass defects	
case-lift / fluid loss / water	notes	lugeons 0.3 1 10 30 100	metres R.L	metres depth	graphic log	substance description (rock type: grain characteristics, colour, structure, minor components.)	weathering	strength EW HW MW SW HW CORE RS	defect spacing mm. 30 100 300 1000 3000 OVER	defect description (thickness, type, inclination, planarity, roughness, coating.) significant	general
						CONCRETE PAVEMENT					
						FILL: Brick, sstone frags in weak lime mortar					
	N=1·5			1		Clayey SAND (SC): black, grey yellow brown, quartz sand fine–med. Clay high plast, some organic matter, some rock frags to 30mm.					
				2							
	N=38			3		SAND (SP) Grey-black, fine–med, some coarse Some shell fragments, occasional boulder of dolerite 20–80mm – s.w, high strength					
	N= 5			4							
	? N= 8·5			5						SPT RESULT UNRELIABLE	
				6		Clayey SAND (SC). Yellow brown and grey, qtz. sand – fine, medium. Clay high plasticity. Some dolerite boulders – s.w, very high strength, 20–70mm					
	N>60			7							
				8							
	N>60			9							
				10							

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drilling information | **rock substance** | **rock mass defects**

case-lift	fluid loss	water	notes	lugeons	metres R.L	metres depth	graphic log	substance description (rock type: grain characteristics, colour, structure, minor components.)	weathering	strength	defect spacing mm.	defect description (thickness, type, inclination, planarity, roughness, coating.) significant	general
			RQD			10							
						11		SAND (SW): Yellow brown sand, fine. Some dolerite boulders. SW-HW, very high - high strength					
						12							
								DOLERITE: fine - med grained blue-gray - brown	SW-HW			broken core	
			75%			13		Similar to above - blue gray	SW-FR			5mm clay filled joint	
						14						400mm joint sub vert calcite	
			30%			15						40mm+ calcite vein	
						16							
			END			17						60mm calcite vein	
						18							

Defects are joints - sub. horizontal to sub. vert.
Joint planes rough - irregular.
Generally calcite - chlorite filled (2-10mm).
Chlorite and Fe stained joints light (<1mm)