TASMANIA DEPARTMENT OF MINES Ref No 14691

ENGINEERING LOG – CORED BOREHOLE 35 274

borehole no. 13
sheet 1 of 2

project INTERNATIONAL HOTEL location HUNTER ST

co-ordinates
R.L 1·768m
inclination VERT.
bearing

drill type WARMAN 1000
drill method NQ
drill fluid WATER

hole commenced 28/11/84
hole completed 28/11/84
drilled by RS
logged by JS
checked by

drilling information

case-lift | fluid loss | water | notes RQD | lugeons 0.3 3 10 30 100 | metres R.L depth

rock substance

graphic log | substance description (rock type: grain characteristics, colour, structure, minor components.) | weathering | strength EL VL L M H VH EH

rock mass defects

defect spacing mm. 30 100 300 1000 3000 | defect description (thickness, type, inclination, planarity, roughness, coating.) significant / general

0 1 2 3 4 5 6 7 8 9 10

N = 7

CLAY (CH). Brown. Some overlying cinder slag, coal, gravel.

FILL

N = 3

SILTY SAND. (SM). Grey black some shell fragments

SANDY ESTUARINE SEDIMENTS

N = 33

GRAVELLY CLAY (CL). Greengrey brown. Some weathered dolerite?

N > 60

0%

Boulders and pebble fragments mudstone, sandstone, dolerite

Boulder bed

DOLERITE BEDROCK

DOLERITE

Grey brown, medium grained

SW-HW

SW-HW

Closely jointed and broken core. Defect spacing 10mm – 30mm – joints Fe stained, irregular-planar rough 60°-70° set- and 40°-20° set- dominant. Calcite and clay on some joints <1mm in thickness

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drilling information							rock substance				rock mass defects	
case-lift	fluid loss	water	notes	lugeons 0·3 3 10 30 100	metres R.L	depth	graphic log	substance description: rock type; grain characteristics, colour, structure, minor components.	weathering	strength EL L M H EH	defect spacing mm. 30 100 300 1000 3000	defect description: thickness, type, inclination, planarity, roughness, coating. significant / general
					10				SW			Largely broken core. Frequent joints, Fe stained, rough, irregular-planar 20°-30° set and 70°-80° set common.
			0%		11			core loss Broken core	SW			
								core loss				
					12			Dolerite - medium grained, blue grey.	SW			30mm - 200mm significant joint spacing. planar, calcite green Fe mineral and chlorite? thin < 1mm
			18%		13							
									SW			20° set, 70°-80° set common rough, stained Fe. irregular curved and planar.
			50%		14							
			70%		15				SW			Joints 150-30mm. Irregular-planar, rough, Fe & chlorite along jts.
									SW			calcite seams < 1mm
			50%		16							Joint spacing 30-100mm Generally light-green chlorite and Fe mineral along rough irregular joints
									SW			
					17							