

DRILLING LOG - BOREHOLE

Ref No 14714

boreshole no. 2

sheet 1 of 3

35 335

MCC CARPARK REDEVELOPMENT

location BATHURST ST, HOBBART

REFER PLAN

drill type GEMCO 210D
drill method AUGER

hole commenced 30 SEPT '87
hole completed 31 SEPT '87
drilled by G. BAKER (MINES)
logged by R. DONALDSON
checked by

16.98m
VERTICAL

drill fluid

orientation:
bearing

penetration	support	notes samples, tests	metres R.L. depth	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency density index	hand penetr- ometer kPa				structure, geology
									25	50	100	200	
123					GC	Clayey GRAVEL: fine-medium, blue grey + brown, clay of medium plasticity, some brick fragments	D	VD					Asphalt and sub-base
		1 N ^h			OH-CH	Sandy CLAY: high plasticity, black-brown, sand fine-medium, some coarse sand, trace fine gravel, trace wood fragments.	M > PL	F					Topsoil.
		2 5			CH	CLAY: high plasticity, olive green-black, some fine-medium sand, trace fine gravel.	M > PL	St					Sub-soil
		5 N ^h			CH	CLAY: high plasticity, red brown with yellow brown and green grey mottles and streaks, some fine sand, trace fine-medium gravel (sw-hw dolerite). Some thin (2-3mm) calcite seams	M > PL	St					Residual Clay grading into extremely weathered Dolerite
		7 N ^h											
		9 21											
		12 23											
		6 N ^h											
		9 22											
		13 21											
		7 N ^h											
		11 27											
		6 N ^h											
		10 21											
		11 21											
		7 N ^h											
		11 27											
		6 N ^h											
		12 28											
		16 28											
		10 N ^h				DOLERITE: fine grained, green grey and yellow brown (along defects). Defects are joints, sub-vertical, calcite lined. Remnants in part to SP-some clay.							Highly weathered Dolerite
		19 41				Continued on Core Borehole log-sheets 2+3							
		22 41											

9 OCT '87

13.00 13.00

DEPARTMENT OF MINES
DRILLING LOG - CORED BOREHOLE 35 336

borehole no. **2**
 sheet **3** of **3**

ORACLE CARPARK REDEVELOPMENT location **BATHURST ST, HOBART.**

Notes **REFER PLAN**

drill type **GEMCO 210 D**
 drill method **NQ TRIPLE TUBE**

hole commenced **30 SEPT '87**
 hole completed **31 SEPT '87**
 drilled by **G. BAKER (MINES)**
 logged by **R. DONALDSON**
 checked by

inclination **VERTICAL**
 bearing

drilling information				rock substance			rock mass defects		
case lift	water	notes	lugoons	metres	substance description	weathering	strength	defect spacing	defect description
			0.3 1 3 10 30 100	R.L. depth	rock type: grain characteristics, colour, structure, minor components.			mm. 30 100 300 500	thickness, type, inclination, planarity, roughness, coating. significant general
		32			red brown. Concentric weathering pattern co-incident with prominent fractures → "kernel" or "core stone" structure	HW			
		85		11	Dolerite as above - colour blue grey.	HW SW			← Shear plane, 5mm @ 90°
		77		12		FR.			Most defects are joints dipping @ 30-60°. Joints irregular, surfaces rough, often with thin calcite coatings. Fe staining prominent along joints in H.W. rock.
		85		13					
				14					
				15	Hole terminated @ required depth of 14.5m in Dolerite.				

DRILLING LOG - CORED BOREHOLE 35 337

borehole no. 3

sheet 2 of 2

ALL CARPARK REDEVELOPMENT

location BATHURST ST, HOBART.

notes REFER PLAN

drill type GEMCO 210D
drill method N/A TRIPLE TUBE

hole commenced 5 OCT '87
hole completed 5 OCT '87
drilled by G. BAKER (MINES)
logged by R. DONALDSON
checked by

inclination VERTICAL
bearing

drilling information				rock substance				rock mass defects			
fluid loss	water	notes	lugesons	metres	graphic log	substance description	weathering	strength	defect spacing	defect description	
			0.3 1 10 30 100	R.L. depth		rock type: grain characteristics, colour, structure, minor components.	EL FL L M K YH EH		30 100 300 1000 3000	thickness, type, inclination, planarity, roughness, coating.	significant general
				3							
		RQD									
		0		4		DOLERITE: fine-medium grained, blue grey, some brown/black specks.	SW				Most defects are joint - subvertical to sub-horizontal. Joints irregular, surfaces rough + iron stained, many with clay/calcite film.
		0		5							
		0		6							
		0		7		Hole terminated @ required depth of 6.75m in Dolerite					

CARPARK REDEVELOPMENT location BATHURST ST, HOBART.

REFER PLAN

drill type GEMCO 210D
drill method NQ TRIPLE TUBE

hole commenced 6 OCT '87
hole completed 8 OCT '87
drilled by G. BAKER (MINES)
logged by R. DONALDSON
checked by

VERTICAL

drill fluid

drilling information				rock substance			rock mass defects			
casings	fluid loss	water	notes	lugoons	metres	substance description	weathering	strength	defect spacing	defect description
				0 3 10 30 100	R.L. depth	rock type: grain characteristics, colour, structure, minor components.		BT L M H YR	30 100 300 1000 3000	thickness, type, inclination, planarity, roughness, coating.
										significant general
			RD							
			Hole covered in at 4.70m on completion.		4	CONGLOMERATE subrounded gravel + cobble sized, red, yellow brown + green grey fragments of dolerite, mudstone, and sandstone in a grain supported sandy clay matrix.	Ew Hw			Sheared seam, 10mm @ 60° Crack seam, 20mm @ 10° (CH)
			0		5					
			0		6	DOLERITE: fine grained, red to red brown, relict dolerite fabric evident.	Ew			
			0		7					
			0		8	brown-blue/grey, black speckle red-brown + yellow brown.	Hw Ew			
			0		9	brown-blue/grey, black speckle red brown + yellow brown.	Hw Ew			Calcite seam 3mm @ 50°
			0		10	fine-medium grained, blue grey + brown, black speckle.	Hw			Crack seam, 40mm (CH) Crack seam, 50mm (CH)
			33							Most defects are joints dipping E10-60. Joints irregular, surface rough, some Fe stained, some with calcite coating. Some calcite seams (2-3mm) and veining.

LOG - CORED BOREHOLE

hole no. 4

sheet 3 of 3

H.C.C. CARPARK REDEVELOPMENT location BATHURST ST, HOBART.

notes REFER PLAN

drill type GEMCO 210D
drill method NQ TRIPLE TUBE

hole commenced 6 OCT '87
hole completed 8 OCT '87
drilled by G. BAKER (MINES)
logged by R. DONALDSON.
checked by

orientation VERTICAL

drill fluid

log information			rock substance				rock mass defects		
notes	lugeons 0.3 1 3 7 10 30 100	metres R.L. depth	graphic log	substance description rock type, grain characteristics, colour, structure, minor components.	weathering	strength	defect spacing mm. 30 100 300 1000 3000	defect description	
								significant	general
0		11						Crush seam, 30mm (C1)	
				Hole terminated @ required depth of 11.45m in Dolerite.					