...NT OF MINES

# ...NG LOG – BOREHOLE

Ref No 14717

35 340

borehole no. 5

sheet 1 of 2

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

coordinates REFER PLAN
R.L. 19.59 m.
inclination VERTICAL
bearing

drill type GEMCO 210D
drill method AUGER
drill fluid

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

| penetration 1 2 3 | support | water | 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 penetrometer kPa 25 50 100 200 400 | structure, geology |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GW GC | GRAVEL: fine-medium, blue grey-brown, some clay of high plasticity. | D | D | | Asphalt and sub-base |
| | | | | 1 | | CH | Sandy CLAY: high plasticity, brown, sand fine-medium. | M > PL | St | | Residual Cl |
| | | | 3 6 8 N* 14 | | | | Similar to above - colour change - red. | | | | |
| | | | | | | CH | CLAY: high plasticity, red with yellow brown and grey mottles, some fine sand, trace fine gravel (dolerite rock fragments), some calcite veining. Material shows remnant dolerite fabric. | M > PL | VSt | | Extremely Weathered Dolerite. (1m-5m) |
| | | | 6 11 N* 22 | 2 | | | | | | | |
| | | | | | | | Similar to above, dappled red, yellow brown, and green-grey, some CH clay seams (1-2mm) associated with joints. | M < PL | H | | |
| | | | 5 19 N* 22 | 3 | | | | | | | |
| | | 8 Oct '87 | | | | | | | | | |
| | | | 9 15 N* 32 | 4 | | | | | | | |
| | | | | 5 | | | | | | | |
| | | | 10 15 N* 60 | | | | | | | | Last 20 blows for zero penetra |
| | | | | 6 | | | Refusal @ 5.45 m using auger method, continued on Cored Borehole Log - sheet 2 | | | | |

MENT OF MINES

# RING LOG – CORED BOREHOLE

borehole no. 5
sheet 2 of 2

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

co-ordinates REFER PLAN
R.L.
inclination VERTICAL
bearing

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

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

| drilling information | | | | | | | rock substance | | | rock mass defects | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| core-lift | fluid loss | water | notes | lugeons 0.3 1 3 10 30 100 | metres R.L | metres depth | graphic log | substance description rock type: grain characteristics, colour, structure, minor components. | weathering | strength EL VL L M H VH EH | defect spacing mm. 30 100 300 1000 3000 | defect description thickness, type, inclination, planarity, roughness, coating. significant / general |
| | | | | | | 6 | | DOLERITE: fine-medium grained, dapple'd yellow brown, red and green-gray. | EW HW | | | Most defects are joints @ 30-60°. Tight, irregular, rough, some Fe staining, clay lined surfaces. Calcite veining present. |
| | | | | | | 7 | | | | | | |
| | | | | | | 8 | | | | | | ← Shear zone, 50mm |
| | | | | | | 9 | | Hole terminated @ required depth of 8.95m in Dolerite | | | | |