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1 INTRODUCTION

Wanwin 3 was spudded in on 1 October 1982 with the aim of providing additional stratigraphic and groundwater information within the Victorian part of the Gambier Embayment of the Otway Basin (Fig 1).

Drilling was completed on 21 January 1983 at a depth below surface of 1852.5m. Twenty four conventional cores were cut for a total thickness of 84.4m with a recovery of 41.4m or 49%. Thirty six sidewall cores were also cut. Twenty sidewall cores were purchased by Beach Petroleum N L who currently hold P E P 105 within which Wanwin 3 was drilled and they were used in part for petroleum maturation studies. In addition Beach carried out a down hole velocity survey conducted by Velocity Data P/L. The well is strategically sited on the intersection of two seismic lines by Shell 1972 - Dartmoor Seismic Survey lines 72 - 115; 72 - 118. Beach Petroleum obtained a petrological report from P E Bock on a core sample at 1386.9m depth. The results of the Beach studies are included in Appendix 3, apart from the velocity survey which is currently confidential. W R H Ramsay also examined the same core and his petrological report is contained in Appendix 1. Dr C Abele examined cuttings and core samples for foraminiferal assemblages and his determinations are contained in Appendix 2.

The bore was logged on 15 December 1982 with the Department's new Comprobe logging unit to a depth of 1450m and was also logged after completion of drilling on 24 January 1983 with the Department's Gearhart Owen logging unit. The bore was cemented with plugs at 1334.0m, 890.0m and 82.4m from surface and the surface casing left in position. The well was completed as a shallow observation bore with the base of the casing left open.

| DEPARTMENT OF MINES AND ENERGY | | GEOLOGICAL LOG OF DRILL HOLE | | HOLE NO. DIERKOWNEH 168 |
|--|-------------|------------------------------|-------------|--|
| Proposed Tanning at Miller's M 164-70 | | | | ANAL. NO. 5829363-O 283396-O |
| SAMPLING SECTION | TEST NUMBER | TEST NUMBER | TEST NUMBER | SON |
| | | | | ADDITIONAL OBSERVATIONS DEFECTS TEST RESULTS |
| ROCK DESCRIPTION | | | | ROCK MASS DEFECTS |
| TO 10' - 100' COAL | | | | TYPE, LOCATION THICKNESS, THICKNESS DISTRIBUTION |
| 100' - 150' COAL | | | | |
| 150' - 200' COAL | | | | |
| 200' - 250' COAL | | | | |
| 250' - 300' COAL | | | | |
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| DEPARTMENT OF MINERALS AND ENERGY | | GEOLOGICAL LOG OF DRILL HOLE | | HOLE NO. DJERRINWARRI 170 |
|-----------------------------------|---|--|-------------------|--------------------------------|
| Proposed Cemetery at Milton Vic. | | | | AMG REF: 5829654.7 283522.5 |
| Elevation 168.07 | | | | |
| DEPTH M.L. | DESCRIPTION | SOIL ADDITIONAL OBSERVATIONS SUSPECTIVE FEATURES | ROCK MASS DEFECTS | |
| | | | | |
| 1.0 | dry clay moist fine loam | CL | | |
| 1.1 | CLAY, silty | | | |
| 1.2 | moist stiff | | | |
| 1.3 | grey brown | | | |
| 1.4 | occasional 'blackish' particles | CH | | |
| 1.5 | | | | |
| 1.6 | calcareous sand white, dry friable | SM | | |
| 1.7 | CLAY, gravelly moist, stiff grey brown | CH | 8 | |
| 1.8 | black gravel | | 20 | |
| 1.9 | SANDY CLAY moist, stiff grey brown | SC | | |
| 1.10 | sand in a massive & fine 'blackish' and medium sized quartz | | | |
| 1.11 | some gravel | | | |
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| DEPARTMENT OF MINERALS AND ENERGY | | GEOLOGICAL LOG OF DRILL HOLE | | HOLE NO. DISTERWICHEN 171 |
|-----------------------------------|------|------------------------------|------|--|
| Proposed Cemetery at Peltton L. | | | | AMG REF 5829135.3 283544.8 |
| RL 170.52 | | | | |
| SOIL | | SOIL | | ADDITIONAL OBSERVATIONS DRILL TEST RESULTS |
| ROCK MASS DEFACTS | | ROCK | | TYPE, LOCATION, THICKNESS, DIRECTION, CONTINUITY |
| 1.0 | 0.0 | 0.0 | 0.0 | Silty Clay |
| 1.1 | 0.1 | 0.1 | 0.1 | Foul, stiff |
| 1.2 | 0.2 | 0.2 | 0.2 | Dark Brown |
| 1.3 | 0.3 | 0.3 | 0.3 | Wet sand |
| 1.4 | 0.4 | 0.4 | 0.4 | CLAY, silty |
| 1.5 | 0.5 | 0.5 | 0.5 | moist, stiff, fissured |
| 1.6 | 0.6 | 0.6 | 0.6 | mottled yellow-brown |
| 1.7 | 0.7 | 0.7 | 0.7 | and grey |
| 1.8 | 0.8 | 0.8 | 0.8 | CH |
| 1.9 | 0.9 | 0.9 | 0.9 | |
| 2.0 | 1.0 | 1.0 | 1.0 | |
| 2.1 | 1.1 | 1.1 | 1.1 | |
| 2.2 | 1.2 | 1.2 | 1.2 | |
| 2.3 | 1.3 | 1.3 | 1.3 | |
| 2.4 | 1.4 | 1.4 | 1.4 | |
| 2.5 | 1.5 | 1.5 | 1.5 | Auger refusal |
| 2.6 | 1.6 | 1.6 | 1.6 | |
| 2.7 | 1.7 | 1.7 | 1.7 | |
| 2.8 | 1.8 | 1.8 | 1.8 | |
| 2.9 | 1.9 | 1.9 | 1.9 | |
| 3.0 | 2.0 | 2.0 | 2.0 | |
| 3.1 | 2.1 | 2.1 | 2.1 | |
| 3.2 | 2.2 | 2.2 | 2.2 | |
| 3.3 | 2.3 | 2.3 | 2.3 | |
| 3.4 | 2.4 | 2.4 | 2.4 | |
| 3.5 | 2.5 | 2.5 | 2.5 | |
| 3.6 | 2.6 | 2.6 | 2.6 | |
| 3.7 | 2.7 | 2.7 | 2.7 | |
| 3.8 | 2.8 | 2.8 | 2.8 | |
| 3.9 | 2.9 | 2.9 | 2.9 | |
| 4.0 | 3.0 | 3.0 | 3.0 | |
| 4.1 | 3.1 | 3.1 | 3.1 | |
| 4.2 | 3.2 | 3.2 | 3.2 | |
| 4.3 | 3.3 | 3.3 | 3.3 | |
| 4.4 | 3.4 | 3.4 | 3.4 | |
| 4.5 | 3.5 | 3.5 | 3.5 | |
| 4.6 | 3.6 | 3.6 | 3.6 | |
| 4.7 | 3.7 | 3.7 | 3.7 | |
| 4.8 | 3.8 | 3.8 | 3.8 | |
| 4.9 | 3.9 | 3.9 | 3.9 | |
| 5.0 | 4.0 | 4.0 | 4.0 | |
| 5.1 | 4.1 | 4.1 | 4.1 | |
| 5.2 | 4.2 | 4.2 | 4.2 | |
| 5.3 | 4.3 | 4.3 | 4.3 | |
| 5.4 | 4.4 | 4.4 | 4.4 | |
| 5.5 | 4.5 | 4.5 | 4.5 | |
| 5.6 | 4.6 | 4.6 | 4.6 | |
| 5.7 | 4.7 | 4.7 | 4.7 | |
| 5.8 | 4.8 | 4.8 | 4.8 | |
| 5.9 | 4.9 | 4.9 | 4.9 | |
| 6.0 | 5.0 | 5.0 | 5.0 | |
| 6.1 | 5.1 | 5.1 | 5.1 | |
| 6.2 | 5.2 | 5.2 | 5.2 | |
| 6.3 | 5.3 | 5.3 | 5.3 | |
| 6.4 | 5.4 | 5.4 | 5.4 | |
| 6.5 | 5.5 | 5.5 | 5.5 | |
| 6.6 | 5.6 | 5.6 | 5.6 | |
| 6.7 | 5.7 | 5.7 | 5.7 | |
| 6.8 | 5.8 | 5.8 | 5.8 | |
| 6.9 | 5.9 | 5.9 | 5.9 | |
| 7.0 | 6.0 | 6.0 | 6.0 | |
| 7.1 | 6.1 | 6.1 | 6.1 | |
| 7.2 | 6.2 | 6.2 | 6.2 | |
| 7.3 | 6.3 | 6.3 | 6.3 | |
| 7.4 | 6.4 | 6.4 | 6.4 | |
| 7.5 | 6.5 | 6.5 | 6.5 | |
| 7.6 | 6.6 | 6.6 | 6.6 | |
| 7.7 | 6.7 | 6.7 | 6.7 | |
| 7.8 | 6.8 | 6.8 | 6.8 | |
| 7.9 | 6.9 | 6.9 | 6.9 | |
| 8.0 | 7.0 | 7.0 | 7.0 | |
| 8.1 | 7.1 | 7.1 | 7.1 | |
| 8.2 | 7.2 | 7.2 | 7.2 | |
| 8.3 | 7.3 | 7.3 | 7.3 | |
| 8.4 | 7.4 | 7.4 | 7.4 | |
| 8.5 | 7.5 | 7.5 | 7.5 | |
| 8.6 | 7.6 | 7.6 | 7.6 | |
| 8.7 | 7.7 | 7.7 | 7.7 | |
| 8.8 | 7.8 | 7.8 | 7.8 | |
| 8.9 | 7.9 | 7.9 | 7.9 | |
| 9.0 | 8.0 | 8.0 | 8.0 | |
| 9.1 | 8.1 | 8.1 | 8.1 | |
| 9.2 | 8.2 | 8.2 | 8.2 | |
| 9.3 | 8.3 | 8.3 | 8.3 | |
| 9.4 | 8.4 | 8.4 | 8.4 | |
| 9.5 | 8.5 | 8.5 | 8.5 | |
| 9.6 | 8.6 | 8.6 | 8.6 | |
| 9.7 | 8.7 | 8.7 | 8.7 | |
| 9.8 | 8.8 | 8.8 | 8.8 | |
| 9.9 | 8.9 | 8.9 | 8.9 | |
| 10.0 | 9.0 | 9.0 | 9.0 | |
| 10.1 | 9.1 | 9.1 | 9.1 | |
| 10.2 | 9.2 | 9.2 | 9.2 | |
| 10.3 | 9.3 | 9.3 | 9.3 | |
| 10.4 | 9.4 | 9.4 | 9.4 | |
| 10.5 | 9.5 | 9.5 | 9.5 | |
| 10.6 | 9.6 | 9.6 | 9.6 | |
| 10.7 | 9.7 | 9.7 | 9.7 | |
| 10.8 | 9.8 | 9.8 | 9.8 | |
| 10.9 | 9.9 | 9.9 | 9.9 | |
| 11.0 | 10.0 | 10.0 | 10.0 | |
| 11.1 | 10.1 | 10.1 | 10.1 | |
| 11.2 | 10.2 | 10.2 | 10.2 | |
| 11.3 | 10.3 | 10.3 | 10.3 | |
| 11.4 | 10.4 | 10.4 | 10.4 | |
| 11.5 | 10.5 | 10.5 | 10.5 | |
| 11.6 | 10.6 | 10.6 | 10.6 | |
| 11.7 | 10.7 | 10.7 | 10.7 | |
| 11.8 | 10.8 | 10.8 | 10.8 | |
| 11.9 | 10.9 | 10.9 | 10.9 | |
| 12.0 | 11.0 | 11.0 | 11.0 | |
| 12.1 | 11.1 | 11.1 | 11.1 | |
| 12.2 | 11.2 | 11.2 | 11.2 | |
| 12.3 | 11.3 | 11.3 | 11.3 | |
| 12.4 | 11.4 | 11.4 | 11.4 | |
| 12.5 | 11.5 | 11.5 | 11.5 | |
| 12.6 | 11.6 | 11.6 | 11.6 | |
| 12.7 | 11.7 | 11.7 | 11.7 | |
| 12.8 | 11.8 | 11.8 | 11.8 | |
| 12.9 | 11.9 | 11.9 | 11.9 | |
| 13.0 | 12.0 | 12.0 | 12.0 | |
| 13.1 | 12.1 | 12.1 | 12.1 | |
| 13.2 | 12.2 | 12.2 | 12.2 | |
| 13.3 | 12.3 | 12.3 | 12.3 | |
| 13.4 | 12.4 | 12.4 | 12.4 | |
| 13.5 | 12.5 | 12.5 | 12.5 | |
| 13.6 | 12.6 | 12.6 | 12.6 | |
| 13.7 | 12.7 | 12.7 | 12.7 | |
| 13.8 | 12.8 | 12.8 | 12.8 | |
| 13.9 | 12.9 | 12.9 | 12.9 | |
| 14.0 | 13.0 | 13.0 | 13.0 | |
| 14.1 | 13.1 | 13.1 | 13.1 | |
| 14.2 | 13.2 | 13.2 | 13.2 | |
| 14.3 | 13.3 | 13.3 | 13.3 | |
| 14.4 | 13.4 | 13.4 | 13.4 | |
| 14.5 | 13.5 | 13.5 | 13.5 | |
| 14.6 | 13.6 | 13.6 | 13.6 | |
| 14.7 | 13.7 | 13.7 | 13.7 | |
| 14.8 | 13.8 | 13.8 | 13.8 | |
| 14.9 | 13.9 | 13.9 | 13.9 | |
| 15.0 | 14.0 | 14.0 | 14.0 | |
| 15.1 | 14.1 | 14.1 | 14.1 | |
| 15.2 | 14.2 | 14.2 | 14.2 | |
| 15.3 | 14.3 | 14.3 | 14.3 | |
| 15.4 | 14.4 | 14.4 | 14.4 | |
| 15.5 | 14.5 | 14.5 | 14.5 | |
| 15.6 | 14.6 | 14.6 | 14.6 | |
| 15.7 | 14.7 | 14.7 | 14.7 | |
| 15.8 | 14.8 | 14.8 | 14.8 | |
| 15.9 | 14.9 | 14.9 | 14.9 | |
| 16.0 | 15.0 | 15.0 | 15.0 | |
| 16.1 | 15.1 | 15.1 | 15.1 | |
| 16.2 | 15.2 | 15.2 | 15.2 | |
| 16.3 | 15.3 | 15.3 | 15.3 | |
| 16.4 | 15.4 | 15.4 | 15.4 | |
| 16.5 | 15.5 | 15.5 | 15.5 | |
| 16.6 | 15.6 | 15.6 | 15.6 | |
| 16.7 | 15.7 | 15.7 | 15.7 | |
| 16.8 | 15.8 | 15.8 | 15.8 | |
| 16.9 | 15.9 | 15.9 | 15.9 | |
| 17.0 | 16.0 | 16.0 | 16.0 | |
| 17.1 | 16.1 | 16.1 | 16.1 | |
| 17.2 | 16.2 | 16.2 | 16.2 | |
| 17.3 | 16.3 | 16.3 | 16.3 | |
| 17.4 | 16.4 | 16.4 | 16.4 | |
| 17.5 | 16.5 | 16.5 | 16.5 | |
| 17.6 | 16.6 | 16.6 | 16.6 | |
| 17.7 | 16.7 | 16.7 | 16.7 | |
| 17.8 | 16.8 | 16.8 | 16.8 | |
| 17.9 | 16.9 | 16.9 | 16.9 | |
| 18.0 | 17.0 | 17.0 | 17.0 | |
| 18.1 | 17.1 | 17.1 | 17.1 | |
| 18.2 | 17.2 | 17.2 | 17.2 | |
| 18.3 | 17.3 | | | |

DEPARTMENT OF MINERALS AND ENERGY
Proposed Tentering at Melton Vic
172-82

SOIL DESCRIPTION
TYPE, COLOUR,
STRUCTURE, CONSISTENCY

ROCK MASS DESCRIPTION
TYPE, COLOUR,
STRUCTURE, CONSISTENCY

CLAY, wavy
moist, stiff
dark red brown

2.1

CLAY, wavy
moist, stiff
pale red brown

2.2

CLAY, wavy
moist, stiff
pale grey brown

2.3
some siltstone sand
at 0.6m

2.4

CLAY, wavy
moist, stiff
brown-grey

2.5

CLAY, wavy
moist, stiff
brown-grey

2.6

CLAY, wavy
moist, stiff
brown-grey

2.7

CLAY, wavy
moist, stiff
brown-grey

2.8

CLAY, wavy
moist, stiff
brown-grey

2.9

CLAY, wavy
moist, stiff
brown-grey

GEOLOGICAL LOG OF DRILL HOLE

HOLE NO. DJERRIWARRH 172
AMG REF. 5830039.0
283571.5

SOIL
ADDITIONAL OBSERVATIONS
SPECIAL TEST RESULTS

ROCK MASS DEFECTS
TYPE, INCLINATION,
THICKNESS, POSITION
CONTINUITY

GRAPHIC LOG

CH

DEPARTMENT OF MINERALS AND ENERGY
LOCATION Proposed Tentering at Melton Vic
RL GROUND 172.82

SOIL
ADDITIONAL OBSERVATIONS
SPECIAL TEST RESULTS

ROCK DESCRIPTION
TYPE, TEXTURE, COLOUR,
ROCK STRUCTURE,
ROCK LUMINESCENCE

GRAPHIC LOG

CH

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.1

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.2

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.3

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.4

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.5

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.6

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.7

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.8

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.9

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.10

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.11

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.12

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.13

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.14

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.15

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.16

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.17

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.18

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.19

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.20

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.21

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.22

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.23

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.24

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.25

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.26

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.27

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.28

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.29

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.30

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.31

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.32

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.33

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.34

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.35

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.36

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.37

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.38

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.39

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.40

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.41

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.42

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.43

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.44

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.45

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.46

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.47

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.48

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.49

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.50

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.51

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.52

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.53

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.54

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.55

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.56

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.57

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.58

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.59

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.60

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.61

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

2.62

CLAY, wavy
moist, stiff, fissured
mottled yellow brown
grey

| DEPARTMENT OF MINERALS AND ENERGY | | GEOLOGICAL LOG OF DRILL HOLE | | HOLE NO: DJERRINWARRI 173 |
|--|--|---|--|-------------------------------|
| LOCATION: Lopwood Quarry at Melton, Vic. | | | | AMC REF 5930027-4 283123.2 |
| ELEVATION: 171.94 | | S.D.N. | | |
| D.R.P. 171.94 | | ADDITIONAL OBSERVATIONS | | |
| D.R.P. 171.94 | | GEOPHYSICAL RESULTS | | |
| D.R.P. 171.94 | | ROCK MASS DEFECTS | | |
| D.R.P. 171.94 | | TYPE: INCLUSIONS THICKNESS: UNKNOWN DISTANCE: UNKNOWN | | |
| 1.00 - 1.50 mts. brown 1.50 - 2.00 mts. brown | | 2.00 - 2.50 mts. yellowish brown | | |
| 2.50 - 3.00 | | 3.00 - 3.50 | | |
| 3.50 - 4.00 | | 4.00 - 4.50 | | |
| 4.50 - 5.00 | | 5.00 - 5.50 | | |
| 5.50 - 6.00 | | 6.00 - 6.50 | | |
| 6.50 - 7.00 | | 7.00 - 7.50 | | |
| 7.50 - 8.00 | | 8.00 - 8.50 | | |
| 8.50 - 9.00 | | 9.00 - 9.50 | | |
| 9.50 - 10.00 | | 10.00 - 10.50 | | |
| 10.50 - 11.00 | | 11.00 - 11.50 | | |
| 11.50 - 12.00 | | 12.00 - 12.50 | | |
| 12.50 - 13.00 | | 13.00 - 13.50 | | |
| 13.50 - 14.00 | | 14.00 - 14.50 | | |
| 14.50 - 15.00 | | 15.00 - 15.50 | | |
| 15.50 - 16.00 | | 16.00 - 16.50 | | |
| 16.50 - 17.00 | | 17.00 - 17.50 | | |
| 17.50 - 18.00 | | 18.00 - 18.50 | | |
| 18.50 - 19.00 | | 19.00 - 19.50 | | |
| 19.50 - 20.00 | | 20.00 - 20.50 | | |
| 20.50 - 21.00 | | 21.00 - 21.50 | | |
| 21.50 - 22.00 | | 22.00 - 22.50 | | |
| 22.50 - 23.00 | | 23.00 - 23.50 | | |
| 23.50 - 24.00 | | 24.00 - 24.50 | | |
| 24.50 - 25.00 | | 25.00 - 25.50 | | |
| 25.50 - 26.00 | | 26.00 - 26.50 | | |
| 26.50 - 27.00 | | 27.00 - 27.50 | | |
| 27.50 - 28.00 | | 28.00 - 28.50 | | |
| 28.50 - 29.00 | | 29.00 - 29.50 | | |
| 29.50 - 30.00 | | 30.00 - 30.50 | | |
| 30.50 - 31.00 | | 31.00 - 31.50 | | |
| 31.50 - 32.00 | | 32.00 - 32.50 | | |
| 32.50 - 33.00 | | 33.00 - 33.50 | | |
| 33.50 - 34.00 | | 34.00 - 34.50 | | |
| 34.50 - 35.00 | | 35.00 - 35.50 | | |
| 35.50 - 36.00 | | 36.00 - 36.50 | | |
| 36.50 - 37.00 | | 37.00 - 37.50 | | |
| 37.50 - 38.00 | | 38.00 - 38.50 | | |
| 38.50 - 39.00 | | 39.00 - 39.50 | | |
| 39.50 - 40.00 | | 40.00 - 40.50 | | |
| 40.50 - 41.00 | | 41.00 - 41.50 | | |
| 41.50 - 42.00 | | 42.00 - 42.50 | | |
| 42.50 - 43.00 | | 43.00 - 43.50 | | |
| 43.50 - 44.00 | | 44.00 - 44.50 | | |
| 44.50 - 45.00 | | 45.00 - 45.50 | | |
| 45.50 - 46.00 | | 46.00 - 46.50 | | |
| 46.50 - 47.00 | | 47.00 - 47.50 | | |
| 47.50 - 48.00 | | 48.00 - 48.50 | | |
| 48.50 - 49.00 | | 49.00 - 49.50 | | |
| 49.50 - 50.00 | | 50.00 - 50.50 | | |
| 50.50 - 51.00 | | 51.00 - 51.50 | | |
| 51.50 - 52.00 | | 52.00 - 52.50 | | |
| 52.50 - 53.00 | | 53.00 - 53.50 | | |
| 53.50 - 54.00 | | 54.00 - 54.50 | | |
| 54.50 - 55.00 | | 55.00 - 55.50 | | |
| 55.50 - 56.00 | | 56.00 - 56.50 | | |
| 56.50 - 57.00 | | 57.00 - 57.50 | | |
| 57.50 - 58.00 | | 58.00 - 58.50 | | |
| 58.50 - 59.00 | | 59.00 - 59.50 | | |
| 59.50 - 60.00 | | 60.00 - 60.50 | | |
| 60.50 - 61.00 | | 61.00 - 61.50 | | |
| 61.50 - 62.00 | | 62.00 - 62.50 | | |
| 62.50 - 63.00 | | 63.00 - 63.50 | | |
| 63.50 - 64.00 | | 64.00 - 64.50 | | |
| 64.50 - 65.00 | | 65.00 - 65.50 | | |
| 65.50 - 66.00 | | 66.00 - 66.50 | | |
| 66.50 - 67.00 | | 67.00 - 67.50 | | |
| 67.50 - 68.00 | | 68.00 - 68.50 | | |
| 68.50 - 69.00 | | 69.00 - 69.50 | | |
| 69.50 - 70.00 | | 70.00 - 70.50 | | |
| 70.50 - 71.00 | | 71.00 - 71.50 | | |
| 71.50 - 72.00 | | 72.00 - 72.50 | | |
| 72.50 - 73.00 | | 73.00 - 73.50 | | |
| 73.50 - 74.00 | | 74.00 - 74.50 | | |
| 74.50 - 75.00 | | 75.00 - 75.50 | | |
| 75.50 - 76.00 | | 76.00 - 76.50 | | |
| 76.50 - 77.00 | | 77.00 - 77.50 | | |
| 77.50 - 78.00 | | 78.00 - 78.50 | | |
| 78.50 - 79.00 | | 79.00 - 79.50 | | |
| 79.50 - 80.00 | | 80.00 - 80.50 | | |
| 80.50 - 81.00 | | 81.00 - 81.50 | | |
| 81.50 - 82.00 | | 82.00 - 82.50 | | |
| 82.50 - 83.00 | | 83.00 - 83.50 | | |
| 83.50 - 84.00 | | 84.00 - 84.50 | | |
| 84.50 - 85.00 | | 85.00 - 85.50 | | |
| 85.50 - 86.00 | | 86.00 - 86.50 | | |
| 86.50 - 87.00 | | 87.00 - 87.50 | | |
| 87.50 - 88.00 | | 88.00 - 88.50 | | |
| 88.50 - 89.00 | | 89.00 - 89.50 | | |
| 89.50 - 90.00 | | 90.00 - 90.50 | | |
| 90.50 - 91.00 | | 91.00 - 91.50 | | |
| 91.50 - 92.00 | | 92.00 - 92.50 | | |
| 92.50 - 93.00 | | 93.00 - 93.50 | | |
| 93.50 - 94.00 | | 94.00 - 94.50 | | |
| 94.50 - 95.00 | | 95.00 - 95.50 | | |
| 95.50 - 96.00 | | 96.00 - 96.50 | | |
| 96.50 - 97.00 | | 97.00 - 97.50 | | |
| 97.50 - 98.00 | | 98.00 - 98.50 | | |
| 98.50 - 99.00 | | 99.00 - 99.50 | | |
| 99.50 - 100.00 | | 100.00 - 100.50 | | |

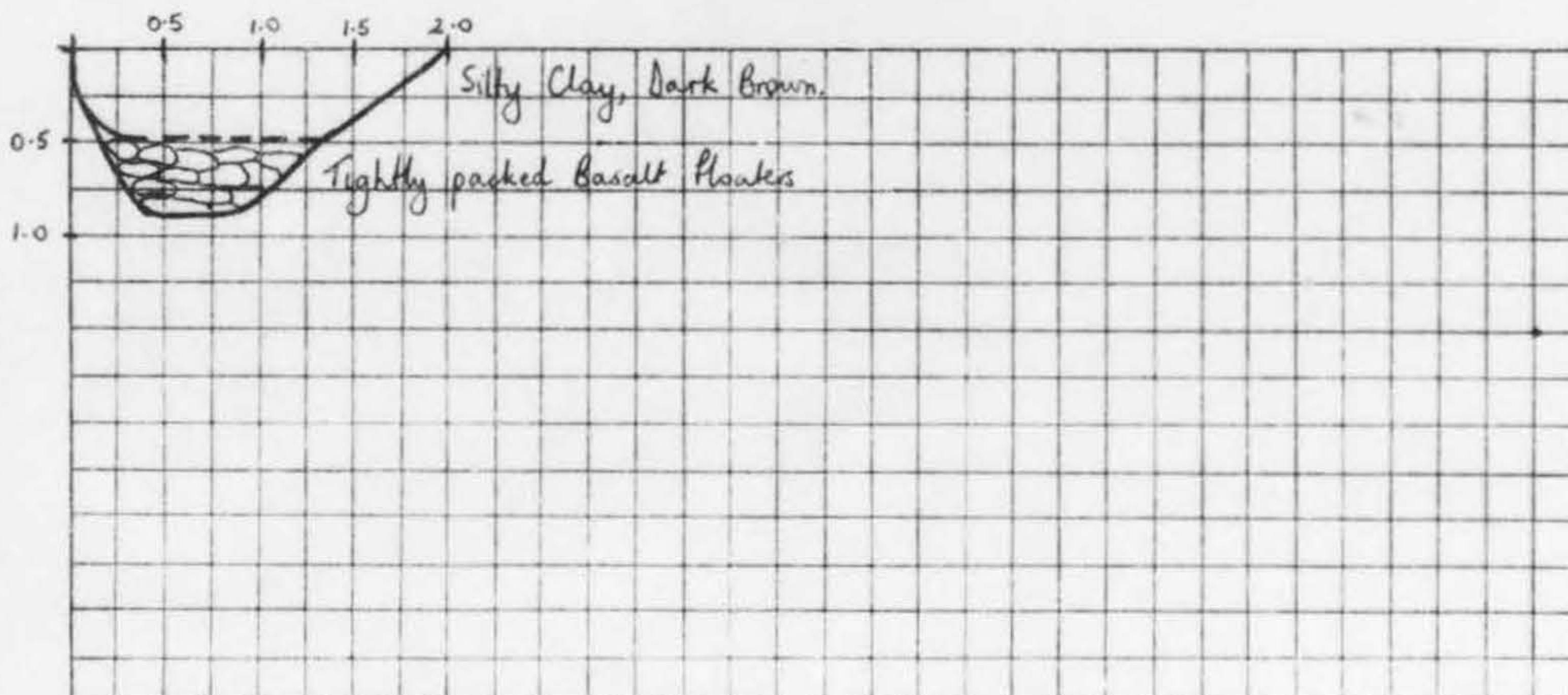
| DEPARTMENT OF MINERALS AND ENERGY | | GEOLOGICAL LOG OF DRILL HOLE | | HOLE NO: DJERRINWARRI 173 |
|--|--|---|--|-------------------------------|
| LOCATION: Lopwood Quarry at Melton, Vic. | | | | AMC REF 5930027-4 283123.2 |
| ELEVATION: 171.94 | | S.D.N. | | |
| DEPTH: 171.94 | | ADDITIONAL OBSERVATIONS | | |
| DEPTH: 171.94 | | GEOPHYSICAL RESULTS | | |
| DEPTH: 171.94 | | ROCK MASS DEFECTS | | |
| DEPTH: 171.94 | | TYPE: INCLUSIONS THICKNESS: UNKNOWN DISTANCE: UNKNOWN | | |
| 1.00 - 1.50 mts. brown | | 2.00 - 2.50 mts. yellowish brown | | |
| 2.50 - 3.00 | | 3.00 - 3.50 | | |
| 3.50 - 4.00 | | 4.00 - 4.50 | | |
| 4.50 - 5.00 | | 5.00 - 5.50 | | |
| 5.50 - 6.00 | | 6.00 - 6.50 | | |
| 6.50 - 7.00 | | 7.00 - 7.50 | | |
| 7.50 - 8.00 | | 8.00 - 8.50 | | |
| 8.50 - 9.00 | | 9.00 - 9.50 | | |
| 9.50 - 10.00 | | 10.00 - 10.50 | | |
| 10.50 - 11.00 | | 11.00 - 11.50 | | |
| 11.50 - 12.00 | | 12.00 - 12.50 | | |
| 12.50 - 13.00 | | 13.00 - 13.50 | | |
| 13.50 - 14.00 | | 14.00 - 14.50 | | |
| 14.50 - 15.00 | | 15.00 - 15.50 | | |
| 15.50 - 16.00 | | 16.00 - 16.50 | | |
| 16.50 - 17.00 | | 17.00 - 17.50 | | |
| 17.50 - 18.00 | | 18.00 - 18.50 | | |
| 18.50 - 19.00 | | 19.00 - 19.50 | | |
| 19.50 - 20.00 | | 20.00 - 20.50 | | |
| 20.50 - 21.00 | | 21.00 - 21.50 | | |
| 21.50 - 22.00 | | 22.00 - 22.50 | | |
| 22.50 - 23.00 | | 23.00 - 23.50 | | |
| 23.50 - 24.00 | | 24.00 - 24.50 | | |
| 24.50 - 25.00 | | 25.00 - 25.50 | | |
| 25.50 - 26.00 | | 26.00 - 26.50 | | |
| 26.50 - 27.00 | | 27.00 - 27.50 | | |
| 27.50 - 28.00 | | 28.00 - 28.50 | | |
| 28.50 - 29.00 | | 29.00 - 29.50 | | |
| 29.50 - 30.00 | | 30.00 - 30.50 | | |
| 30.50 - 31.00 | | 31.00 - 31.50 | | |
| 31.50 - 32.00 | | 32.00 - 32.50 | | |
| 32.50 - 33.00 | | 33.00 - 33.50 | | |
| 33.50 - 34.00 | | 34.00 - 34.50 | | |
| 34.50 - 35.00 | | 35.00 - 35.50 | | |
| 35.50 - 36.00 | | 36.00 - 36.50 | | |
| 36.50 - 37.00 | | 37.00 - 37.50 | | |
| 37.50 - 38.00 | | 38.00 - 38.50 | | |
| 38.50 - 39.00 | | 39.00 - 39.50 | | |
| 39.50 - 40.00 | | 40.00 - 40.50 | | |
| 40.50 - 41.00 | | 41.00 - 41.50 | | |
| 41.50 - 42.00 | | 42.00 - 42.50 | | |
| 42.50 - 43.00 | | 43.00 - 43.50 | | |
| 43.50 - 44.00 | | 44.00 - 44.50 | | |
| 44.50 - 45.00 | | 45.00 - 45.50 | | |
| | | | | |

| DEPARTMENT OF MINES AND ENERGY | | GEOLOGICAL LOG OF DRILL HOLE | | HOLE No. DJERRIWAHRH 174 |
|--|-------------|---|--|-------------------------------|
| Proposed Cemetery at Melba Hill DRILLING 173-41 | | | | AMG REF 5830004.3 294001.0 |
| SOIL DESCRIPTION TYPE, COLOUR, CONSISTENCY, STRUCTURE, TEST RESULTS | GRAPHIC LOG | SOIL ADDITIONAL OBSERVATIONS DEPTH TEST RESULTS | | |
| | | ROCK MASS DEFECTS TYPE, INCIDENCE, THICKNESS, NUMBER, LOCATION | | |
| 0.1 wet dry friable brown | M.L. | | | |
| 0.2 silty clay | C.L. | | | |
| 0.3 moist friable dark brown | CR | | | |
| 0.4 | | Liquid limit 23 Linear Shrinkage 22 8 Sand 7 Plastic limit 22 Free swell 160 2 Silt 12 Plasticity Index 6.5 8.0 2.48 3 Clay 6.9 | | |
| 0.5 wet stiff yellow brown | CH | | | |
| 0.6 CLAY, silty moist, stiff grey brown | CH | | | |
| 0.7 | | | | |
| 0.8 friable brown to NW | | | | |
| 0.9 green dense altered blue black friable brown | | | | |
| 0.10 | | | | |
| 0.11 CLAY silty moist, stiff grey | GC | | | |
| 0.12 alluvium sand with silt fractions | | | | |
| 0.13 | | | | |
| 0.14 | | | | |
| 0.15 | | | | |
| 0.16 flaser bedded - basalt | A | | | |
| | | F. STANZ D. DAUBENS 23.7.84 | | |
| | | MC 42 33 84 42 | | |
| | | SEP 84 | | |

APPENDIX 2

Excavation Logs

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWARH 113 |
|--|--------------------|--------------------------------------|--|-------------------|----------------------------------|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 155.20 | | AMG. REF. 58225140 2738440 |
| EQUIPMENT TYPE AND MODEL Case 580 C ; 600mm bucket | | | EXCAVATION DIMENSIONS 2.0 m LONG 0.65 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH M | SITE DESCRIPTION | GRAPHIC LOG. | WATER |
| | | | SOIL DESCRIPTION IN PARENTHESES COLOUR FRIABILITY MATERIAL NOTES | | |
| B | | 0.5 | SILTY CLAY moist, friable red-brown | CL | |
| A | | 1.0 | SILTY CLAY moist, very stiff, dark brown. calcareous nodules at 800 mm | CH | |
| C | | | BASALT, E.W. and N.W. floaters. | E.W. H.W. | |
| K | | | Backhoe Refusal. | | |
| H | | | | | |
| O | | | | | |
| E | | | | | |
| <p>The diagram shows a cross-section of the excavation pit. The vertical axis is labeled from 0.5 to 3.5 meters. The top layer is labeled "Red Brown silty clay". Below it is a layer labeled "Dark Brown Silty Clay". At a depth of approximately 1.0 m, there is a horizontal line labeled "Basalt".</p> | | | | | |
| Logged | P.G. Duthie | Notes Insufficient Depth for Burial. | | | |
| Date | 7.5.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no | 1 of 1 | Drawing no. MCP/1 | |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWAARRH 116 |
|---|--------------------|-------------------------------------|--|-------------------|---|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 158.70 | | 5828556.0 AMG. REF. 283560.0 |
| EQUIPMENT TYPE AND MODEL Case 580C 600mm Bucket | | | | | |
| EXCAVATION DIMENSIONS | | | 2.0 m LONG 0.65 m WIDE | | |
| METHOD | TYPE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | TYPE | CHARACTERISTICS | |
| BACKHOE | B | 0.5 | SILTY CLAY, moist, friable, Dark brown. | L.H. | |
| | | 0.5 | BASALT Floaters, tightly packed CALCAREOUS NODULES. | H.W. |  |
| | | 1.0 | Backhoe refusal. | | |
|  | | | | | |
| Logged | P.G. Dahlman | Notes Insufficient Depth for Burial | | | |
| Date | 7-5-84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. 1 of 1 | | Drawing no. MCP 2 | |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | PIT NO. DIERRIWARRH 119 |
|--|--------------------|---------|--|------------------------------------|
| PROJECT Proposed Cemetery at Melton. | | | LOCATION R.L. GROUND 161+10 | 5828598.0 AMG. REF. 283260.0 |
| EQUIPMENT TYPE AND MODEL Case 580C 600 mm Bucket | | | | |
| EXCAVATION DIMENSIONS | | | 3.0 m LONG | 0.6 m WIDE |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | GRAPHIC LOG. |
| | | | ROCK DESCRIPTION | |
| B | | 0.5 | CLAYEY SILT, dry, friable red-brown | ML |
| A | | 1.0 | SILTY CLAY, moist, stiff, dark red-brown | CL |
| C | | 1.5 | SILTY CLAY, moist, stiff, grey-brown | CH |
| K | | 2.0 | CLIFFY, moist, stiff, fissured, grey, slightly mottled with orange-brown | CH |
| H | | 2.5 | black coatings (dendrite-like) on fissure surfaces, slickensides | |
| O | | 3.0 | Calcareous Nodules around 1.0 m | |
| | | 3.5 | End of pit. | |
| | | | | WATER |

PILOT

Logged P. Dahlman
Date 7.5.84
Checked
Approved

Notes Very easily excavated. A "clean" smooth-sided pit.

Vertical Scale 1:50 Sheet no. 1 of 1 Drawing no. MCP 3

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| DEPARTMENT OF MINERALS AND ENERGY | | EXCAVATION LOG. | | PIT NO. DJERRIWARRH 122 | | |
|---|-----------------------------------|-----------------------|--|---------------------------------|--------------|------------------|
| PROJECT | Proposed Cementery at Melton Vic. | LOCATION | R.L. GROUND 163.70 | 5828638-0 AMG. REF. 282966-0 | | |
| EQUIPMENT TYPE AND MODEL Case 580C 600mm Bucket | | EXCAVATION DIMENSIONS | | 2.7 m LONG 0.6 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | GRAPHIC LOG. | WATER |
| | | | TYPE & GRAIN SIZE | CHARACTERISTICS | | |
| BACKHOE | D | 0.0 - 0.5 | CLAYEY SILT, dry friable, red-brown | ML | | |
| | | 0.5 - 1.0 | SILTY CLAY, moist stiff dark red-brown | CL | | |
| | | 1.0 - 1.5 | CLAY, silty, moist stiff grey-brown some carbonate nodules around 1.0m | CH | | |
| | | 1.5 - 2.0 | CLAY, moist, stiff, fissured. grey with occasional yellow-brown mottling. | | | |
| | | 2.0 - 2.5 | slight slickensides on fissure surfaces obvious. | CH | | |
| | | 2.5 - 3.0 | | | | |
| | | 3.0 - 3.5 | End of pit. | | | |
| | | 3.5 - 4.0 | | | | |
| | | | | | | |
| Logged | P. Dahlhaus | Notes | | | | |
| Date | 7.5.84 | | | | | |
| Checked | | | | | | |
| Approved | | | | | | |
| Vertical Scale | 1:5 | Sheet no | 1 | of | 1 | DRAWING NO MCP 4 |

| DEPARTMENT OF MINERALS AND ENERGY | | EXCAVATION LOG | | PIT NO DJERRIWAARRH 125 |
|---|--------------------|--|--|---------------------------------|
| PROJECT Proposed Cemetery at Melton Vic | | LOCATION R.L. GROUND 164.70 | | 5828674-0 AMG. REF. 282670-0 |
| EQUIPMENT TYPE AND MODEL Case 580C 600mm Bucket | | EXCAVATION DIMENSIONS 2.8 m LONG 0.65 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | GRAPHIC LOG. | WATER |
| B A C K H O E | L | 0.0 | CLAYEY SILT, sandy red-brown | ML |
| | | 0.5 | SILTY CLAY, moist, stiff, dark red-brown | CL |
| | | 1.0 | SILTY CLAY moist, stiff, grey-brown | CH |
| | | 1.5 | As above, with many CALCIAREOUS NODULES, BASALT, 70mm cobbles, three or four pieces up to around 200mm size. | G.C. |
| | | 2.0 | Extremely Weathered BASALT | E.W. |
| | | 2.5 | Backhoe refusal. | |
| | | 3.0 | | |

The figure consists of two parts. The top part is a hand-drawn stratigraphic column showing soil profiles from 0.0 to 3.0 meters depth. The bottom part is a hand-drawn cross-section diagram on a grid, showing the vertical profile of the soil layers and the presence of Basalt at the bottom.

| | |
|-----|---|
| 0.0 | Red-Brown Clayey silt |
| 0.5 | Dark red brown Silty clay. |
| 1.0 | Grey-brown silty clay. |
| 1.5 | Grey gravelly clay. (bouldery-cobbly clay) |
| 2.0 | |
| 2.5 | BASALT |

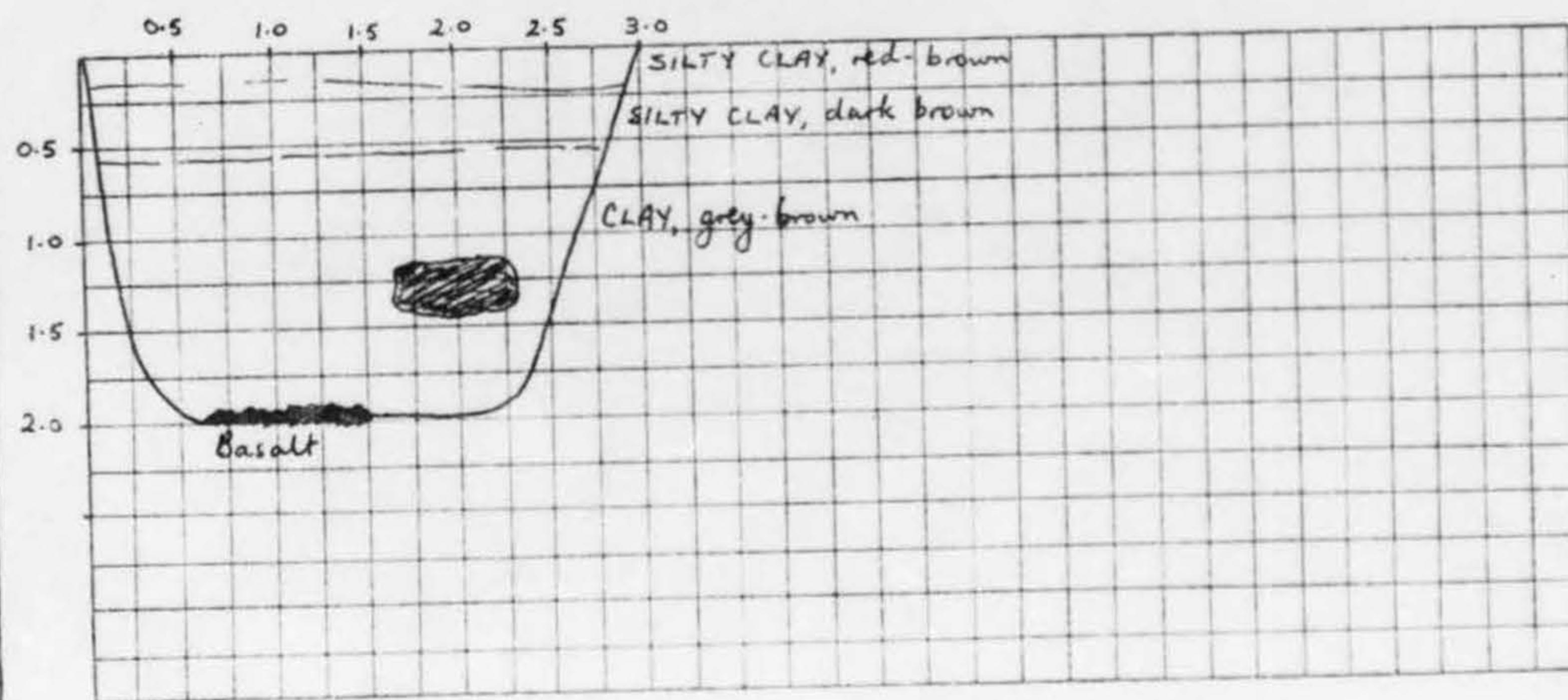
| | | |
|----------------|-------------|--|
| Logged | P. Dahlhaus | Notes Reasonably smooth-sided hole, some areas rough where floaters were plucked out |
| Date | 7.5.84 | |
| Checked | | |
| Approved | | |
| Vertical Scale | 1.50 | Sheet no. 1 of 1 Drawing no. M1PS |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG | PIT NO. DJERRWARRH 132 | | |
|--|--------------------|---------|---|---------------------------------|--------|-----------------|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 158.9 | AMG. REF. 5828718-0 282898-0 | | |
| EQUIPMENT TYPE AND MODEL Case 580 C 600 mm bucket | | | | | | |
| EXCAVATION DIMENSIONS | | | 2.3 m LONG 0.65 m WIDE | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOCIL DESCRIPTION | GRAPHIC LOG. | WATER | |
| | | | TYPE SOIL/CLAY | | | CHARACTERISTICS |
| BACKHOE | EASE OF EXCAVATION | DEPTH m | ROCK DESCRIPTION | | WATER | |
| | | | TYPE ROCK/STONE | CHARACTERISTICS | | |
| | | | SILTY CLAY, dark red-brown | | | CL |
| | | | 0.5 - SILTY CLAY, mottled yellow-brown & grey. calcareous material at 0.8m numerous basalt floaters | | | CH |
| 1.0 - CLAY, dark red-brown | | O | | | | |
| | | | Buckhoe Refusal - Basalt. | | | |
| | | | 1.5 | | | |
| | | | 2.0 | | | |
| | | | 2.5 | | | |
| | | | 3.0 | | | |
| <p>0.5 1.0 1.5 2.0 2.5</p> <p>SILTY, FLEMY, red-brown.</p> <p>CLAY</p> <p>SILTY CLAY, grey</p> <p>CLAY, dark red-brown</p> <p>BASALT</p> | | | | | | |
| Logged | J. Gedl | Notes | Too shallow to meet requirements for Burial. | | | |
| Date | 10-5-84 | | | | | |
| Checked | P. Dahlman | | | | | |
| Approved | | | | | | |
| VERT. S. | 1:50 | SLANT | 1 | 1 | NEP 15 | |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWARRH 133 |
|--|--------------------|--|-----------------------------|------------|------------------------------------|
| PROJECT Proposed Cemetery at Melton S.C. | | | LOCATION R.L. GROUND 162.70 | | 5828758.0 AMG. REF. 283594.0 |
| EQUIPMENT TYPE AND MODEL Case 580 C 600mm bucket | | | | | |
| EXCAVATION DIMENSIONS | | | 2.5 m LONG 0.65 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH | SOIL DESCRIPTION | | WATER |
| | | | Type | Plasticity | |
| | | | ROCK DESCRIPTION | | |
| | | | Type | Texture | Colour |
| | | | Rock | Material | Mineral composition |
| B | 0.5 | SILTY CLAY, moist, friable, red-brown | CL | | |
| B | 0.5 | SILTY CLAY, moist, friable, dark red-brown | | | |
| C | 0.80 | SILTY CLAY, moist, stiff, grey, calcareous nodules at 0.5 - 1.0m | CH | | |
| K | 0.80 | Basalt floaters throughout | | | |
| H | 1.5 | CLAY, silty, moist stiff, mottled yellow brown & grey, Basalt floaters throughout from 40mm to 400mm size. | | | |
| O | 2.0 | | | | |
| E | 2.5 | Backhoe refusal, Basalt "floater" | | | |
| | 3.0 | | | | |
| | | | | | |
| Logged | P. Dahlhaus | Notes A rough hole as many floaters have been plucked from the sides. | | | |
| Date | 7.5.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no | 1 | of 1 | Drawing no MCP 18 |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG | | PIT NO DJERRIWARRH 134 | | | | |
|--|--------------------|---------|--|----|------------------------------------|----|----|----|----|
| | | | LOCATION | | 5128146.0 AMG. REF. 283696.0 | | | | |
| PROJECT Proposed Cemetery at Melton Vic. R.L GROUND 161.30 | | | | | | | | | |
| EQUIPMENT TYPE AND MODEL Case 580 C 600 mm | | | | | | | | | |
| EXCAVATION DIMENSIONS | | | 3.0 m LONG 0.65 m WIDE | | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH M | GRAPHIC LOG. | | WATER | | | | |
| | | | CL | CH | | GC | CL | CH | GC |
| B | A | 0.5+ | SILTY CLAY, moist, friable, red brown | CL | CH | GC | CL | CH | GC |
| ACK | H | | SILTY CLAY, moist, stiff, dark brown | | | | | | |
| | O | | Some basalt "floaters" to cobble size | | | | | | |
| | C | 1.0- | CLAY, silty, moist, stiff, grey brown. | | | | | | |
| | K | 1.5- | calcareous nodules 650 mm to 850 mm | | | | | | |
| | H | | floaters throughout cobble size. | | | | | | |
| | E | | One 600 mm x 400 mm at 1.2 m. | | | | | | |
| | | 2.0- | Refusal on large floater. | | | | | | |
| | | 2.5- | | | | | | | |
| | | 3.0- | | | | | | | |
| | | 3.5- | | | | | | | |



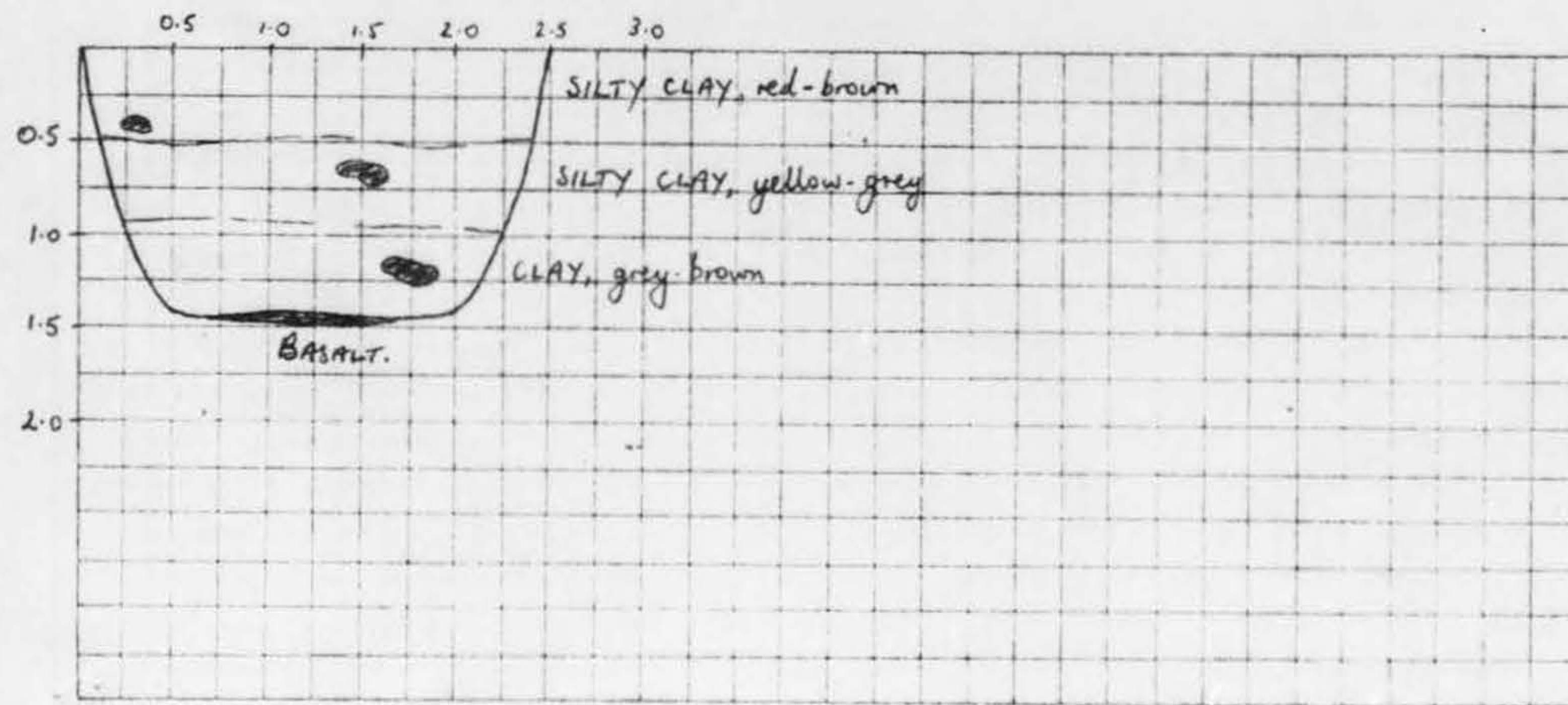
| | | |
|----------------|-------------|-------------------------------------|
| Logged | P. Dahlhaus | Notes |
| Date | 7.5.84 | |
| Checked | | |
| Approved | | |
| Vertical Scale | 1:50 | Sheet no. 1 of 1 Drawing no. MCP 11 |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWARRH 135 |
|---|--------------------|---|-----------------------------|------|-----------------------------------|
| PROJECT Proposed Cemetery at Melton Vic. | | | LOCATION R.L. GROUND 165.00 | | 5217754.0 AMG. REF. 22949.0 |
| EQUIPMENT TYPE AND MODEL Case 580 C 600 mm bucket | | | | | |
| EXCAVATION DIMENSIONS | | | 2.9 m LONG 0.65 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | GRAPHIC LOG. | | WATER |
| | | | CL | CH | |
| B | 1.0 | SILTY CLAY, moist, stiff, dark red-brown | CL | | |
| A | 0.5 | SILTY CLAY, moist, stiff, red-brown | | | |
| C | 0.5 | SILTY CLAY, moist, stiff, brown-grey | | | |
| K | 1.0 | some calcareous sand | | | |
| H | 1.0 | | | | |
| O | 1.5 | SILTY CLAY, sandy, | | | |
| E | 1.5 | moist, stiff, | CH | | |
| | 2.0 | mottled yellow-brown and grey. | | | |
| | 2.0 | sand mainly quartz, some "buckshot" | | | |
| | 2.5 | Basalt gravel to 60 mm throughout | | | |
| | 2.5 | one basalt floater 200 mm at 1.2 m | | | |
| | 3.0 | | | | |
| | 3.5 | | | | |
| | | | | | |
| Logged | P. Dahlhaus | Notes Smooth-sided hole. Very easily excavated. | | | |
| Date | 7.5.'84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 | of 1 | Drawing no. MCP 10 |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG | PIT NO. DJERRIWARRH 14-3 |
|---|--------------------|---------|---|--|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION | 58-3714.0 AMG. REF. 285148-0 |
| EQUIPMENT TYPE AND MODEL Case 580C 600mm bucket | | | | |
| EXCAVATION DIMENSIONS | | | 2.5 m LONG 0.65 m WIDE | |
| METHOD | FASE OF EXCAVATION | DEPTH m | SUB DESCRIPTION TYPE, PLASTICITY, CONSISTENCY CHARACTERISTICS ACCESSORY MATERIAL | GRAPHIC LOG. SILTY CLAY CLAY CH O WATER |
| B | | 0.5 | SILTY CLAY, red brown | CL |
| A | | 1.0 | SILTY CLAY, mottled light yellow grey calcareous zone at around 0.7m | CH |
| C | | 1.0 | CLAY, grey-brown. some basalt floaters. | O |
| K | | 1.5 | Backhoe refusal. | |
| H | | 2.0 | | |



| | | |
|----------------|-------------|--|
| Logged | J. Giedl | Notes |
| Date | 10-5-84. | Bordeline excavation for burial of one coffin. (Minimum requirement is 1350 mm) |
| Checked | P. Dahlhaus | |
| Approved | | |
| Vertical Scale | 1:50 | Sheet No. 1 |
| | | Page No. 1 |
| | | Map Ref. MCP 16 |

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| DEPARTMENT OF MINERALS AND ENERGY | | EXCAVATION LOG | PIT NO D JERRIWARRH 145 | | | | |
|--|--------------------|---|--|------------------------|-------------------|-------|--|
| PROJECT Proposed Cemetery at Melton Vic. | | LOCATION R.L. GROUND 164.30 | 5828458-0 AMG. REF. 2836-24-0 | | | | |
| EQUIPMENT TYPE AND MODEL Case 580C | | 600 mm bucket | | | | | |
| EXCAVATION DIMENSIONS | | 2.6 m LONG 0.65 m WIDE | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | GRAPHIC LOG. | WATER | |
| | | | FINE GRAIN PARTICLE | CHARACTERISTICS/COLOUR | | | |
| BACKHOE | | 0.5 | SILTY CLAY, moist, blocky, very stiff. dark red-brown | CL | | | |
| | | 1.0 | SILTY CLAY moist, friable, stiff dark grey. | CH | | | |
| | | 1.5 | calcareous nodules at 800mm Basalt "floaters" throughout. | | O | | |
| | | 2.0 | 500 mm size floaters at 1.5 & 1.8m | | O | | |
| | | 2.5 | Refusal on Basalt "floater" | | | | |
| | | 3.0 | | | | | |
| | | | | | | | |
| | | 0.5 1.0 1.5 2.0 2.5 3.0 | | | | | |
| Logged | P. Dahlman | Notes Backhoe refusal on large Basalt "floater". (presumed) | | | | | |
| Date | 7.5.84 | | | | | | |
| Checked | | | | | | | |
| Approved | | | | | | | |
| Vertical Scale | 1:50 | Sheet no | 1 | of 1 | Drawing no MCP 13 | | |

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| DEPARTMENT OF MINERALS AND ENERGY | | EXCAVATION LOG. | PIT NO. DJERRIWARRI 148 | | | |
|-----------------------------------|----------------------------------|--------------------------------|---|-------------|-------|-----|
| PROJECT | Proposed Cemetery at Melton Vic. | LOCATION R.L. GROUND 163.40 | 5828997.0 | | | |
| EQUIPMENT TYPE AND MODEL | Case 580 C 600mm bucket. | AMG. REF 283328.0 | | | | |
| EXCAVATION DIMENSIONS | | 2.9 m LONG 0.65 m WIDE | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | GRAPHIC LOG. | | WATER | |
| | | | SOIL DESCRIPTION | TEST NUMBER | | |
| BACK HOE | | 0.0 - 0.5 | SILT, clayey dry friable pale red brown SILTY CLAY, moist, stiff, dark red-brown | ML | | |
| | | 0.5 - 1.0 | CLAY, silty, moist, stiff, grey-brown Some calcareous nodules. | CL | | |
| | | 1.0 - 1.5 | CLAY, moist, stiff, fissured, grey slightly mottled with orange-brown. | CH | | |
| | | 1.5 - 2.0 | fissures show slickensided surfaces, some black staining (like dendrites) | | | |
| | | 2.0 - 2.5 | Basalt "floaters" 200mm to 300mm size at 2.7m. | CH | | |
| | | | 3.0 | | | |
| | | | 3.5 | | | |
| | | | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | 1.5 | 1.5 | 1.5 | 1.5 |
| | 2.0 | 2.0 | 2.0 | 2.0 | | |
| | 2.5 | 2.5 | 2.5 | 2.5 | | |
| | 3.0 | 3.0 | 3.0 | 3.0 | | |
| | 3.5 | 3.5 | 3.5 | 3.5 | | |

GRAPHIC LOG.

0.5 1.0 1.5 2.0 2.5 3.0

0.5

1.0

1.5

2.0

2.5

3.0

3.5

0.5

1.0

1.5

2.0

2.5

3.0

3.5

SILT, pale red-brown
SILTY CLAY, dark red-brown
CLAY, grey-brown
CLAY, grey.
Basalt

Logged P. Duthie
Date 7.5.84
Checked
Approved
Vertical Scale 1:50
Sheet no. 1 of 1 Drawing no. MCP 12

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | PIT NO. DJERRIWARRH 151 | | |
|---|-----------------------------------|------------------|--|----------------------------|-----------------|---|
| PROJECT | Proposed Cemetery at Melton, Vic. | | | LOCATION R.L GROUND 165.10 | | |
| EQUIPMENT TYPE AND MODEL Case 580 C 600mm bucket | | | AMG. REF. 5829034.0 233026.0 | | | |
| EXCAVATION DIMENSIONS 3.3 m LONG 0.65m WIDE | | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | GRAPHIC LOG. | WATER |
| | | | TYPE & TEXTURE | COLOUR | | |
| B | | | SILTY CLAY, moist friable, red-brown | CL | | |
| A | | 0.5 | SILTY CLAY, moist stiff, dark red-brown | | | |
| C | | | SILTY CLAY, moist, stiff, grey-brown. | CH | | |
| K | | 1.0 | CLAY, silty, grey. CALCAREOUS NODULES. | | | |
| H | | 1.5 | SILTY CLAY, sandy, gravelly, moist, stiff, | | | |
| O | | 2.0 | grey. | CH | 0.0 | |
| E | | 2.5 | pockets of sand throughout. qtz sand appearing occasionally layered. gravel mix of qtz, basalt, "buckshot" | or GC | 0.0 0.0 0.0 0.0 | Basalt "floaters" up to 150mm from 1.2m. Soil open-textured in sandier parts with remnant root tracks. |
| | | 3.0 | Backhoe refusal - Basalt | | | |
| | | 3.5 | | | | |
| <p>0.5 1.0 1.5 2.0 2.5 3.0 3.5</p> <p>SILTY CLAY TOPSOIL</p> <p>SILTY CLAY, dark red-brown</p> <p>SILTY CLAY, grey-brown</p> <p>grey CLAY and Calcareous Nodules.</p> <p>SILTY CLAY with Basalt floaters, cobble and gravel size, quartz sand and gravel, some "buckshot" gravels.</p> <p>Basalt bedrock.</p> | | | | | | |
| Logged | P. Dahlgren | Notes | | | | |
| Date | 7.5.84 | | | | | |
| Checked | | | | | | |
| Approved | | | | | | |
| Vertical Scale | 1:50 | Sheet no. 1 of 1 | Drawing no. MCP 9 | | | |

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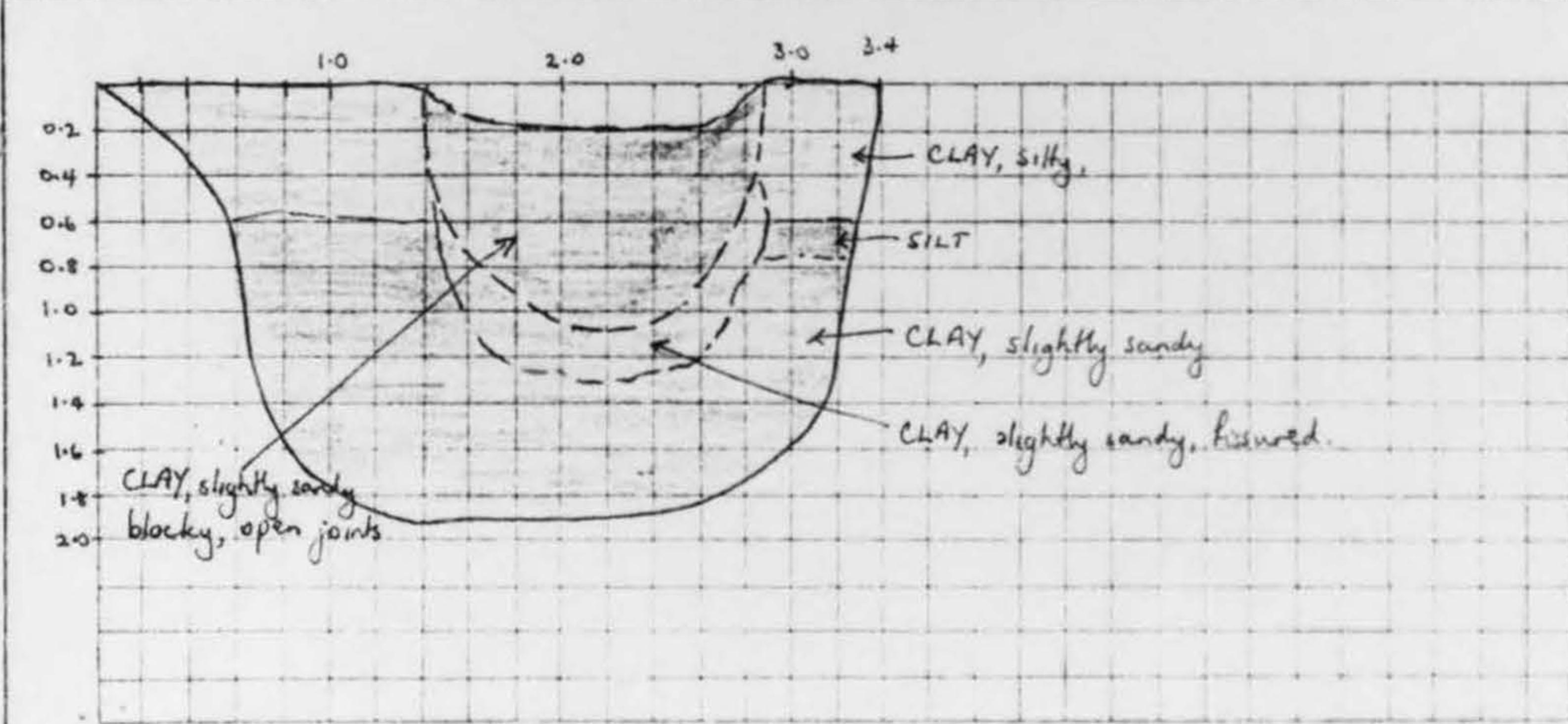
DEPARTMENT OF MINERALS AND ENERGY EXCAVATION LOG HIT NO. DJERRIWARRH 175
 PROJECT Proposed Cemetery at Merton Vic. R.L. GROUND 169.88 AMG. REF. 5850017.7
 282879.3

EQUIPMENT TYPE AND MODEL

EXCAVATION DIMENSIONS

m LONG m WIDE

| METHOD | EASE OF EXCAVATION | DEPTH m | SUB. DESCRIPTION | GRAPHIC LOG. | WATER |
|--------|--------------------|---------|---|--------------|-------|
| | | | CHARACTERISTICS | | |
| | | 0.2 | CLAY, silty moist, friable, stiff. Fissured brown. many tree roots. | | |
| | | 0.4 | | | |
| | | 0.6 | SILT, clayey fine calcareous material throughout. | | |
| | | 0.8 | CLAY, slightly sandy. moist, stiff. yellow brown. | | |
| | | 1.0 | | | |
| | | 1.2 | becomes mottled yellow-brown | | |
| | | 1.4 | and grey around 1.3m. | | |
| | | 1.6 | | | |
| | | 1.8 | | | |



| | | |
|----------|------------|-------|
| Logged | P. Dohmann | Notes |
| Date | 10.5.84 | |
| Checked | | |
| Approved | | |

Sheet 1 of 1 Page 1 of 1 Date 10/05/84 Sbs No 1

86

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG | | PIT NO. DJERR JARRH 17b |
|--|--------------------|---------|------------------------|--------|--|
| | | | LOCATION | | AMG 5650010.7 REF. 292879.3 |
| PROJECT Proposed Cemetery at Nelson Vic.R.L. GROUND 169.88 | | | | | |
| EQUIPMENT TYPE AND MODEL | | | | | |
| EXCAVATION DIMENSIONS | | | m LONG | m WIDE | |
| BACKHOE | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | TYPE PLASTICITY NUMBER | | |
| | | | CHARACTERISTICS COLOUR | | |
| | | | ADDITIONAL NOTES | | |
| | | | ROCK DESCRIPTION | | |
| | | | TYPE FLEXURE NUMBER | | |
| | | | CHARACTERISTICS | | |
| | | | ADDITIONAL NOTES | | |
| | | | GRAPHIC LOG. | | |
| | | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| CLAY, silty. moist, stiff, friable. dark yellow-brown. | | 0.2 | | | Material in subsidised patch. |
| | | 0.4 | | | CLAY, silty. moist (near dry) very stiff, blocky. brown. |
| | | 0.6 | | | open jointed. some calcareous patches (sandy) at the base. |
| | | 0.8 | | | |
| CLAY, silty. moist, stiff, greenish-yellow brown. | | 1.0 | | | |
| | | 1.2 | | | |
| slightly sandy. | | 1.4 | | | |
| | | 1.6 | | | |
| | | 1.8 | | | |
| | | | | | |
| | | | | | |
| Logged | P Dahlgren | Notes | | | |
| Date | 10.5.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Verifier | 1:20 | Sheet | 1 | 1 | Wings - Subj. No. 2 |

86

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG | | PIT NO. DJERRIWARA 177 | |
|---|--------------------|---------|--|---|---|-------|
| PROJECT Ireford Cemetery at Merton Vic. | | | LOCATION R.L. GROUND 169.48 | | AMG. REF. 26-117-8 26-228-8 | |
| EQUIPMENT TYPE AND MODEL | | | | | | |
| EXCAVATION DIMENSIONS | | | m LONG | m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION SIZE & SHAPE OF PARTICLES CHARACTERISTIC COLOUR LEVELS OF MATERIAL | ROCK DESCRIPTION SIZE & SHAPE OF CLUSTERS PRIMARY FEATURES MINERALOGICAL | GRAPHIC LOG. | WATER |
| B A C K H O E | | 0.2 | SILTY CLAY, sandy, gravelly, moist, very stiff, friable, fissured yellow-brown. | | Material in Subsided section. CLAY, silty, sandy. Dry, blocky, open jointed peds. dark yellow-brown. some organic material. | |
| | | 0.4 | CLAY, silty, moist, stiff, yellow-brown | | | |
| | | 0.6 | | | | |
| | | 0.8 | CLAY silty, moist, stiff, mottled yellow-brown & grey. slightly sandy. | | | |
| | | 1.0 | | | | |
| | | 1.2 | | | | |
| | | 1.4 | | | | |
| | | 1.6 | | | | |
| 1.8 | | | | | | |

Logged P. Dahlhaus Notes

Date 10-5-84

Checked

Approved

Vertical Scale 1:20

Drawn Sbs No. 3

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG | | PIT NO. DJSERRIWARH 178 |
|--|--------------------|---------|--|-----------------------|---|
| | | | LOCATION | | |
| PROJECT Proposed Cemetery at Melton V. | | | R.L. GROUND 168.95 | | AMG. REF 5821116.0 29283.1.3 |
| EQUIPMENT TYPE AND MODEL | | | | | |
| EXCAVATION DIMENSIONS | | | m LONG | m WIDE | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | TYPE PLASTICITY PARTICLE | CHARACTERISTIC COLOUR | |
| BACK HOE | Pitney - 1 to 3. | 0.5+ | CLAYEY SILT, sandy. moist friable darkgrey. DEPTH VARIES | | siltier near top. Quartz gravel pieces to 1.8m in centre trough. |
| | | 1.0+ | CLAY, silty. moist, stiff fissured greenish-brown. | | Some mottled patches. Sand pockets (fine quartz sand) throughout. |
| | | 1.5+ | slightly sandy. | | One large sand-filled fissure (60mm to 2mm fissure width) |
| | | 2.0+ | SANDY CLAY, moist, very stiff, mottled brick-red and grey. | | Sand filled fissure continues to 2.6m, although barely visible. |
| | | 2.5+ | | | |
| | | 3.0+ | | | |
| <p>A hand-drawn cross-section of the excavation pit. The vertical axis represents depth from 0.0 to 3.0 meters. The horizontal axis represents distance from 0.0 to 7.0 meters. The profile shows two distinct soil layers. The upper layer is labeled 'CLAYEY SILT, sandy' and the lower layer is labeled 'CLAY, silty, slightly sandy'. A vertical line labeled 'sand-filled fissure' extends from the surface down to approximately 2.6 meters, where it splits into two branches. A small area of 'SANDY CLAY' is also indicated near the bottom right of the profile.</p> | | | | | |
| Logged | P. Dahlhaus | Notes | | | |
| Date | 10.5.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Verbal ref. code | 150 | | | | Subs. No. 4 |

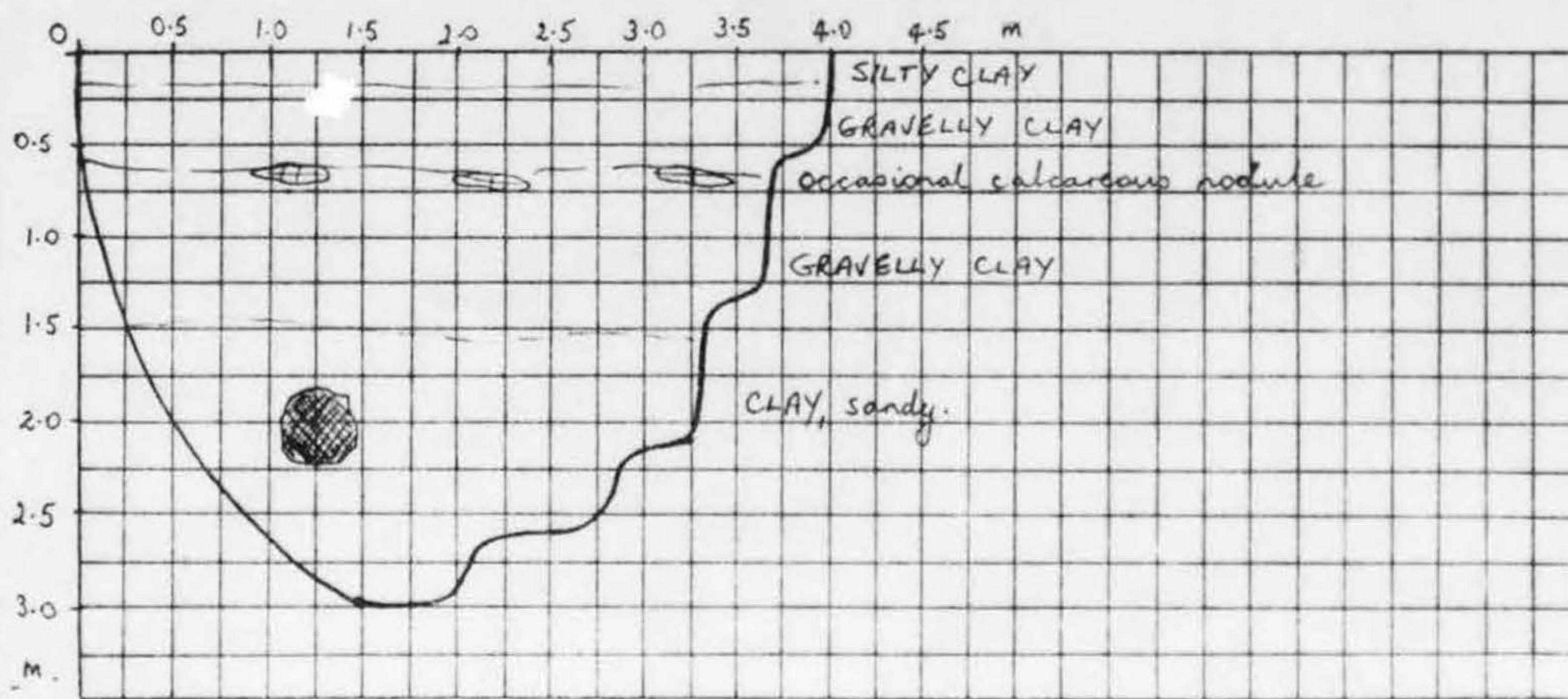
| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWARRH 179 |
|-----------------------------------|---------------------------------------|--|---|----------------------|------------------------------------|
| PROJECT | Proposed Cemetery at Melton. | | | | LOCATION R.L. GROUND 173.48 |
| EQUIPMENT TYPE AND MODEL | Case 580C; 600mm Bucket | | | | 5830203.2 AMG. REF. 283421.7 |
| EXCAVATION DIMENSIONS | | 4.0 m LONG 0.65 m WIDE | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | SOIL TYPE | SOIL CHARACTERISTICS | |
| | | ROCK DESCRIPTION | | GRAPHIC LOG. | |
| | | ROCK TYPE | ROCK TEXTURE | ROCK COLOUR | ROCK PRIMARY STRUCTURE |
| | | | | MINOR COMPONENTS | |
| BACK HOE | Difficult Excavation due to floaters' | 0.5 | SILTY CLAY, moist stiff, red brown | CL | |
| | | 1.0 | SILTY CLAY, moist, stiff, yellow brown sandy and gravelly ('buckshot') | CH | |
| | | 1.5 | CLAY, silty, moist, stiff, grey-brown some 'buckshot.' | CH | |
| | | 2.0 | Large Basalt 'floaters.' | CH | |
| | | 2.5 | | CH | |
| | | 3.0 | | CH | |
| | | | | | |
| Logged | Peter Dahlhaus | Notes Not Suitable for Burial because of Basalt 'floaters' | | | |
| Date | 12.7.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | / of / | Drawing no. MCPS - 1 | |

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| DEPARTMENT OF MINERALS AND ENERGY | | EXCAVATION LOG. | | PIT NO. DJERRIWARRH 180 | |
|--|--------------------|--|--|------------------------------------|-------|
| PROJECT Proposed Cemetery at Melton. N.S.W. | | LOCATION R.L. GROUND 171.67 | | 5824955-1 AMG. REF. 283380-9 | |
| EQUIPMENT TYPE AND MODEL Case 580 C; 600 mm Bucket | | EXCAVATION DIMENSIONS 4.2 m LONG 0.65 m WIDE | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | GRAPHIC LOG. | WATER |
| | | | TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL | | |
| BACKHOE | | 1.0 2.0 3.0 | ROCK DESCRIPTION | GRAPHIC LOG. LL CH GC | WATER |
| | | | TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS | | |
| | | | SILTY CLAY, moist, friable, dark grey. SILTY CLAY, moist stiff, red-brown | | |
| | | | GRAVELLY CLAY, sandy moist, stiff, fissured, grey. calcareous nodules at 0.7m | | |
| End of Excavation. | | | | | |
| | | | | | |
| Logged | Peter Dahlhaus | Notes | | | |
| Date | 12-7-84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | of | Drawing no. MCPS-2 | |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. D JERRIWAARRH 181 |
|--|--------------------|---------|--|--|---|
| PROJECT | LOCATION | | EQUIPMENT TYPE AND MODEL | | AMG. REF. 5824773-6 233344-7 |
| EXCAVATION DIMENSIONS | | | Case 580C; 600 mm Bucket | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL | SOIL TYPE PLASTICITY CHARACTERISTICS | GRAPHIC LOG. WATER |
| ROCK DESCRIPTION TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS | | | ROCK TYPE PLASTICITY CHARACTERISTICS | | |
| BACKHOE | 1.0 | - | SILTY CLAY, dry, blocky, dark brown | CL | -- -- |
| | | - | GRAVELLY CLAY, moist, stiff red-brown some 'buckshot' sands. | GC | 0 - 0 - 0 - 0 - |
| | | - | GRAVELLY CLAY, moist, stiff, fissured, grey. occasional Basalt cobble. | | - three or four calcareous nodules at 0.6m - gravel is mostly 'ironstone' types. some quartz. |
| | 2.0 | - | CLAY, sandy. moist, stiff, fissured. mottled yellow-brown & grey. some 'buckshot' and quartz gravel Some roots and remnant roots. some sand lenses. | CH | - one Basalt cobble (400mm x 400mm) at 2.0 m |
| | 3.0 | - | End of Excavation. | | |



| | | |
|----------------|----------------|-----------------------------------|
| Logged | Peter Dahlgren | Notes |
| Date | 12-7-84 | |
| Checked | | |
| Approved | | |
| Vertical Scale | 1:50 | Sheet no. 1 of 1 Drawing no. 8000 |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWAARRH 182 | |
|---|--------------------|--|---|---|------------------------------------|--|
| PROJECT Proposed Cemetery at Melton. V... | | | LOCATION R.L. GROUND 169.44 | | AMG. REF. 5849754.7 283581.7 | |
| EQUIPMENT TYPE AND MODEL Case 580C; 600mm Bucket. | | | EXCAVATION DIMENSIONS 5 m LONG 0.65m WIDE | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | GRAPHIC LOG. | WATER |
| | | | Type | Plasticity Particle Characteristics Colour Accessory Material | | |
| | | | ROCK DESCRIPTION | | | |
| | | | Type | Texture Colour | TESTS | TESTS |
| | | | Primary Structure | Minor Components | TESTS | TESTS |
| BACKHOE | EASE OF EXCAVATION | 0.5 | SILTY CLAY, moist, stiff, red-brown. | | CH | — calcareous nodules in part of the excavation, just above the Basalt 'floaters' |
| | | 1.0 | CLAY, silty, moist, stiff, mottled yellow-brown & grey. | | | |
| | | 1.5 | occasional 'buckshot' | | | |
| | | 2.0 | Basalt floaters too large to excavate | | | |
| | | 2.5 | Part refusal on Basalt. | | | |
| | | 3.0 | | | | |
| | | | | | | |
| Logged | Peter Dahlman | Notes Not suitable for Cemetery purposes because of Basalt floaters too large to excavate. | | | | |
| Date | 12-7-'84 | | | | | |
| Checked | | | | | | |
| Approved | | | | | | |
| Vertical Scale 1:50 | | Sheet no. | of | Drawing no. MCFS - 4 | | |

92

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWARRA 183 |
|--|-----------------------------------|---------------------------|---|--------------------|-----------------------------------|
| PROJECT | Proposed Cemetery at Melton, Vic. | | | | LOCATION R.L. GROUND 165.91 |
| EQUIPMENT TYPE AND MODEL Case 580C; 600mm Bucket | | | | | 582450-6 AMG. REF. 283479.4 |
| EXCAVATION DIMENSIONS | | | 3 m LONG 0.65 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | SOIL | U.T.C. TESTS | |
| | | | ROCK DESCRIPTION | | WATER |
| SOIL | RELATIVE DENSITY | R. STRENGTH POINT LOAD | | | |
| B | A | C | D | E | F |
| BACKHOE | | | | | |
| | | 0.5 | SILTY CLAY, moist, friable, dark red brown | | - yellow brown in patches. |
| | | 1.0 | CLAY silty. moist, stiff, fissured grey. some root remnants. | CH | |
| | | 1.5 | | | |
| | | 2.0 | Backhoe Refusal - Basalt. | | |
| | | 2.5 | | | |
| | | | | | |
| Logged | Peter Dahlhaus | Notes | | | |
| Date | 12-7-'84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:200 | Sheet no. | of | Drawing no. MTPS-5 | |

93

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWAIRRI 184 | | | |
|--|--------------------|-----------|---|--------------------|------------------------------------|---|--|-------|
| PROJECT Proposed Cemetery at Melton Hill | | | LOCATION R.L. GROUND 172.00 | | 5824980.9 AMG. REF. 283625.1 | | | |
| EQUIPMENT TYPE AND MODEL Case 580C, 600 Bucket | | | | | | | | |
| EXCAVATION DIMENSIONS | | | 4 m LONG 0.65 m WIDE | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER | | | |
| | | | SOIL | U.S.C. SYMBOL | | GRAPHIC LOG. | | WATER |
| | | | ROCK DESCRIPTION | | | | | |
| | | | TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS | | | | | |
| B | | 0.5 | CLAY, Silty. Dry, blocky, brown SILTY CLAY, moist friable, red-brown | | CH | | | |
| A | | 1.0 | SILTY CLAY, gravelly, moist, firm, grey. Basalt Flakes at 0.7m | | | | | |
| C | | 1.5 | GRAVELLY CLAY, sandy, moist, firm, grey. | | GC | - gravel is mixed 'ironstone' and quartz. The sand is almost all fine quartz. Charcoal pieces are probably remnant roots. | | |
| K | | 2.0 | becomes mottled with yellow-brown occasional charcoal piece. | | | | | |
| H | | 2.5 | | | | | | |
| O | | 3.0 | | | | | | |
| E | | 3.5 | End of excavation. | | | | | |
| | | | | | | | | |
| Logged | Peter Dahlhaus | Notes | | | | | | |
| Date | 12.7.84 | | | | | | | |
| Checked | | | | | | | | |
| Approved | | | | | | | | |
| Vertical Scale | 1:50 | Sheet no. | of | Drawing no. MCPS-6 | | | | |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWAHH 185 |
|---|--------------------|-----------|--|---------------------|--------------------------------|
| PROJECT Proposed Cemetery at Melton Vic. | | | LOCATION R.L. GROUND 166.75 | | AMG. REF. 58495362 285163.8 |
| EQUIPMENT TYPE AND MODEL Case 580 C, 600mm Bucket | | | EXCAVATION DIMENSIONS 3.5 m LONG 0.65 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | Type, Plasticity, Particle Characteristics, Colour, Accessory Material | Soil Test Symbols | |
| | | | ROCK DESCRIPTION | | |
| | | | Type, Texture, Colour, Primary Structure, Minor Components | Rock Test Symbols | |
| BACKHOE | EASE OF EXCAVATION | 0.5 | SILTY CLAY, dry, blocky, friable brown. CLAY, silty, moist, firm, grey-brown. | CL | GRAPHIC LOG. |
| | | 1.0 | SILTY CLAY, moist, firm, friable, yellow-brown. | | |
| | | 1.5 | CLAY, sandy, moist, firm, fissured. | CH | |
| | | 2.0 | mottled yellow-brown and grey. | | |
| | | 2.5 | rare root remnant. | | |
| | | 3.0 | very uniform consistency; extremely easy to excavate. | | |
| | | | End of excavation. | | |
| | | | | | |
| | | | | | |
| Logged | Peter Dahlhaus | Notes | | | |
| Date | 12-7-'84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:1 | Sheet no. | of | Drawing no. M.PS. - | |

95

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT No. DJERRIWAIRAH 180 |
|--|--|---------------------------|--|--------------------|--|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 173-46 | | AMG. REF. 593007+1 283829.9 |
| EQUIPMENT TYPE AND MODEL Case 580C; 600-mm Bucket. | | | EXCAVATION DIMENSIONS 3.5 m LONG 0.65 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | SOIL TEST STRENGTH | WATER |
| | | | TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL | | |
| BACK HOE | | 0.5 | SILTY CLAY, moist, friable, red-brown. | CL | |
| | | | CALCAREOUS NODULES, soft, white and | | |
| | 1.0 | CLAY, grey brown, matrix. | CH | | |
| | | | | | BASALT, H.W. cobbles, loosely packed. and |
| 1.5 | CLAY, moist, stiff, grey. some calcareous sand. | E.W. Rock. | caliche. | | |
| | | | | 2.0 | Backhoe Refusal - Basalt. |
| 2.5 | | | | | |
| | 3.0 | | | | |
| | | | | | 3.5 |
| | 4.0 | | | | |
| | | | | | 4.0 m |
| | | | | | |

96

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWARRH 187 | | | | | | | |
|--|--------------------|---|---|------------|------------------------------------|-----------------------------|------------------|---------------------|--------------|------------|----------|------------|
| PROJECT Proposed Cemetery at Melton Vic. | | | LOCATION R.L. GROUND 165.73 | | 5829418-7 AMG. REF. 293204-4 | | | | | | | |
| EQUIPMENT TYPE AND MODEL Case 580C; 600mm bucket | | | EXCAVATION DIMENSIONS 3.3 m LONG 0.65 m WIDE | | | | | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER | | | | | | | |
| | | | Type | Plasticity | | Particle Characteristics | Colour | Accessory Materials | TESTS | TESTS | TESTS | TESTS |
| | | | ROCK DESCRIPTION | | | | | | | | | |
| | | | Type | Texture | Colour | Primary Structure | Minor Components | Hardness | Penetrometer | Water Test | Strength | Point Load |
| BACKHOE | 0.5 | SILTY CLAY, dry, blotchy, dark grey. | CL | --- | --- | --- | --- | --- | --- | --- | --- | |
| | | SILTY CLAY, moist, friable, yellow-brown, slightly sandy. | | | | | | | | | | |
| | | CLAY, silty, moist, stiff, grey. | | | | | | | | | | |
| | | occasional fissure. | | | | | | | | | | |
| | | CLAY, silty, moist, stiff. | | | | | | | | | | |
| | | mottled yellow-brown and grey, occasional fissure, some filled with fine quartz sand. | | | | | | | | | | |
| | 3.0 | End of excavation. | 3.5 | | | | | | | | | |
| | | | | | | | | | | | | |
| Logged | Peter Dahlhaus | | Notes | | | | | | | | | |
| Date | 12.7.84 | | | | | | | | | | | |
| Checked | | | | | | | | | | | | |
| Approved | | | | | | | | | | | | |
| Vertical Scale | 1:50 | | Sheet no. | of | Drawing no. MOP 5-9 | | | | | | | |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRI WARRH 188 | | |
|--|--------------------|-----------|---|--------------------|------------------------------------|--------------|-------|
| PROJECT Proposed Cemetery at Melton Vic. | | | LOCATION R.L. GROUND 163.26 | | 5829201.8 AMG. REF. 283402.3 | | |
| EQUIPMENT TYPE AND MODEL. Case 580C; 600 mm Bucket | | | EXCAVATION DIMENSIONS 3.5 m LONG 0.65 m WIDE | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL | | S.G. SPEC. GRAV. | GRAPHIC LOG. | WATER |
| | | | ROCK DESCRIPTION TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS | | | | |
| BACKHOE | | 0.5 | CLAYEY SILT, dry, friable, brown. SILTY CLAY, moist, friable, pale grey root casts and roots throughout | | ML | | |
| | | 1.0 | SILTY CLAY, moist, friable, yellow-brown some root casts. | | CL | | |
| | | 1.5 | CLAY, moist, stiff grey. | | CH | | |
| | | 2.0 | CLAY, moist, stiff, fissured, mottled yellow-brown & grey. | | | | |
| | | 2.5 | some sand filled fissures some roots. | | | | |
| | | 3.0 | End of excavation. | | | | |
| | | 3.5 | | | | | |
| | | | | | | | |
| | | | | | | | |
| Logged | Peter Dahlhaus | Notes | | | | | |
| Date | 12.7.84 | | | | | | |
| Checked | | | | | | | |
| Approved | | | | | | | |
| Vertical Scale | 1:50 | Sheet no. | of | Drawing no. MOP-10 | | | |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWARRI 189 | |
|---|--------------------|---------|---|------------|------------------------------------|-----------------------------|
| PROJECT Proposed Cemetery at Mellin, Vic. | | | LOCATION R.L. GROUND 166.78 | | 5829547-1 AMG. REF. 283602-9 | |
| EQUIPMENT TYPE AND MODEL Case 580 C; 600 mm Bucket. | | | | | | |
| EXCAVATION DIMENSIONS | | | 3.5 m LONG 0.65 m WIDE | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER | |
| | | | TYPE | PLASTICITY | | PARTICLE CHARACTERISTICS |
| | | | ROCK DESCRIPTION | | GRAPHIC LOG. | WATER |
| | | | TYPE | TEXTURE | | |
| | | | PRIMARY STRUCTURE | | | POINT LOAD |
| | | | MINOR COMPONENTS | | | |
| BACKHOE | | 0.5 | SILT, clayey, dry, friable, brown. | | CL | |
| | | 0.5 | SILTY CLAY, moist, friable red-brown some calcareous nodules at 0.6m | | | |
| | | 1.0 | CLAY, silty, moist stiff, fissured, grey. | | | |
| | | 1.5 | moist, stiff, abundant fissures. mottled yellow-brown and grey. | | | |
| | | 2.0 | rare basalt wobble. fissures often stained black. | | | |
| | | 2.5 | | | | |
| | | 3.0 | End of excavation. | | | |
| | | | | | | |
| Logged | Peter Dahlhaus | | Notes | | | |
| Date | 12.7.84 | | | | | |
| Checked | | | | | | |
| Approved | | | | | | |
| Vertical Scale | 1:50 | | Sheet no. | of | Drawing no. MCPS-11 | |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWARRI 140 |
|---|--------------------|-----------|--|------------------|--|
| PROJECT Proposed Cemetery at Melton | | | LOCATION R.L. GROUND 174.05 | | 5830137.0 AMG. REF. 283729.6 |
| EQUIPMENT TYPE AND MODEL Case 580C; 600mm Bucket | | | EXCAVATION DIMENSIONS 3 m LONG 0.65 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIALS | SOIL TEST SYMBOL | |
| | | | ROCK DESCRIPTION | | |
| | | | TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS | TEST SYMBOL | |
| B | | 0.5 | SILTY CLAY dry, blocky, friable, dark red-brown | CL | catenary profile gravel is a mixture of ironstones' and quartz. |
| A | | | SILTY CLAY moist, friable, red-brown | CH | |
| C | | 1.0 | as above, bright yellowish brown. | | |
| K | | 1.5 | SANDY CLAY moist, stiff, fissured, grey. Some gravel. Some fissures are sand filled. | SC | |
| H | | 2.0 | CLAY sandy, moist, stiff, fissured, mottled yellow-brown & grey. | CH | |
| E | | 2.5 | End of Excavation. | | |
| | | 3.0 | | | |
| | | 3.5 | | | |
| <p>The graph plots soil layers against depth from 0 to 3.5 meters. The top layer is labeled 'Red Brown Silty Clay' and 'Yellow brown Silty Clay'. The bottom layer is labeled 'SANDY CLAY'. The profile shows a characteristic U-shape (catenary curve) with a sharp change in slope at approximately 2.0 meters depth.</p> | | | | | |
| Logged | Peter Dahlhaus | Notes | | | |
| Date | 12.7.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 of 1 | Drawing no. | MCRS-12 |

100

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWARRA 191 | |
|--|--------------------|---------|---|-------------|------------------------------------|-------|
| PROJECT Proposed Cemetery at Melton. Vic. | | | LOCATION R.L. GROUND 173.08 | | 5830041-2 AMG. REF. 283528-4 | |
| EQUIPMENT TYPE AND MODEL Case 580C; 600mm Bucket | | | | | | |
| EXCAVATION DIMENSIONS | | | 3.5 m LONG | 0.65 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | GRAPHIC LOG. | WATER |
| | | | TYPE | PLASTICITY | | |
| | | | ROCK DESCRIPTION | | ROCK SYMBOLOGY | |
| | | | TYPE | TEXTURE | COLOUR | |
| | | | PRIMARY STRUCTURE | | | |
| | | | MINOR COMPONENTS | | | |
| B | | 0.5 | SILTY CLAY, dry, blocky, brown. | | CL | |
| A | | 1.0 | SILTY CLAY, moist, friable, red-brown. | | | |
| C | | 1.5 | CLAY, silty, moist, stiff, fissured, grey. some root remnants. | | H | |
| K | | 2.0 | Some calcareous nodules at 0.9 & 1.1m CH | | F | |
| H | | 2.5 | CLAY, silty, moist, stiff, fissured, mottled yellow brown & grey. | | | |
| O | | 3.0 | Backhoe Refusal - Basalt | | | |
| E | | 3.5 | | | | |
| <p>The hand-drawn cross-section shows a vertical profile from 0 to 3.5 meters depth. It starts with a thin layer of 'SILTY CLAY' at the surface. Below it is a layer of 'CLAY' containing several small, irregular shapes representing 'Calcareous nodules'. At approximately 2.5 meters depth, there is a distinct horizontal line labeled 'Basalt'. The profile ends at 3.5 meters with the text 'Backhoe Refusal - Basalt'.</p> | | | | | | |
| Logged | Peter Dahlhaus | | Notes | | | |
| Date | 12-7-'84 | | | | | |
| Checked | | | | | | |
| Approved | | | | | | |
| Vertical Scale | 1:50 | | Sheet no. | of | Drawing no. MCPS-13 | |

U.R. 1984/77

For Figure 4

SEE

35 mm Jacket

| GEOPHYSICAL LOG OF BOREHOLE | | HOLE NO. DISTERHOFFER 167 | |
|-----------------------------|--|---------------------------|--|
| DISTANCE FROM SURFACE | | LOG NUMBER | |
| 0.00 ft. | | 5824072.0 | |
| 1.00 ft. | | 282840.8 | |
| 2.00 ft. | | | |
| 3.00 ft. | | | |
| 4.00 ft. | | | |
| 5.00 ft. | | | |
| 6.00 ft. | | | |
| 7.00 ft. | | | |
| 8.00 ft. | | | |
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| 165.00 ft. | | | |
| 166.00 ft. | | | |
| 167.00 ft. | | | |

Depth checked with "Masterson" drill
 167 ft.
 167 ft.
 167 ft.
 167 ft.

| DEPARTMENT OF MINERALS AND ENERGY | | GEOLOGICAL SURVEY STATE MAP | | DICKIE, WILSON 16E | |
|--------------------------------------|------|-------------------------------------|------------|--------------------------------------|------------|
| LOCATION: Paynesville, Lancaster Co. | | SECTION 16, Twp. 31 N., Range 16 E. | | Sect. No. 5, Twp. 31 N., Range 16 E. | |
| ELEVATION: 1640 ft. | | | | Sect. No. 5, Twp. 31 N., Range 16 E. | |
| DEPTH: | FEET | BED NUMBER | BED NUMBER | BED NUMBER | BED NUMBER |
| 0-10 | | | | | |
| 10-20 | | | | | |
| 20-30 | | | | | |
| 30-40 | | | | | |
| 40-50 | | | | | |
| 50-60 | | | | | |
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| 70-80 | | | | | |
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| 100-110 | | | | | |
| 110-120 | | | | | |
| 120-130 | | | | | |
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| 160-170 | | | | | |
| 170-180 | | | | | |
| 180-190 | | | | | |
| 190-200 | | | | | |
| 200-210 | | | | | |
| 210-220 | | | | | |
| 220-230 | | | | | |
| 230-240 | | | | | |
| 240-250 | | | | | |
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| 260-270 | | | | | |
| 270-280 | | | | | |
| 280-290 | | | | | |
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| 310-320 | | | | | |
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| 330-340 | | | | | |
| 340-350 | | | | | |
| 350-360 | | | | | |
| 360-370 | | | | | |
| 370-380 | | | | | |
| 380-390 | | | | | |
| 390-400 | | | | | |
| 400-410 | | | | | |
| 410-420 | | | | | |
| 420-430 | | | | | |
| 430-440 | | | | | |
| 440-450 | | | | | |
| 450-460 | | | | | |
| 460-470 | | | | | |
| 470-480 | | | | | |
| 480-490 | | | | | |
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| 720-730 | | | | | |
| 730-740 | | | | | |
| 740-750 | | | | | |
| 750-760 | | | | | |
| 760-770 | | | | | |
| 770-780 | | | | | |
| 780-790 | | | | | |
| 790-800 | | | | | |
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| 810-820 | | | | | |
| 820-830 | | | | | |
| 830-840 | | | | | |
| 840-850 | | | | | |
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| 960-970 | | | | | |
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| 980-990 | | | | | |
| 990-1000 | | | | | |
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| 1140-1150 | | | | | |
| 1150-1160 | | | | | |
| 1160-1170 | | | | | |
| 1170-1180 | | | | | |
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| 2100-2110 | | | | | |
| 2110-2120 | | | | | |
| 2120-2130 | | | | | |
| 2130-2140 | | | | | |
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| 2150-2160 | | | | | |
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| 2170-2180 | | | | | |
| 2180-2190 | | | | | |
| 2190-2200 | | | | | |
| 2200-2210 | | | | | |
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| 2970-2980 | | | | | |
| 2980-2990 | | | | | |
| 2990-3000 | | | | | |
| 3000-3010 | | | | | |
| 3010-3020 | | | | | |
| 3020-3030 | | | | | |
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| 3070-3080 | | | | | |
| 3080-3090 | | | | | |
| 3090-3100 | | | | | |
| 3100-3110 | | | | | |
| 3110-312 | | | | | |

59

| GEOPHYSICAL AND ENGINEERING | | GEOPHYSICAL LOG OF BOREHOLE | | FILE NO. 01001000000000000000000000000000 | |
|---|-----------------|-----------------------------|------------------------|---|--|
| Borehole No. 100-00000000000000000000000000000000 | | | | WELL NO. 0824362-C 233346-C | |
| DEPTH METERS | TIME MINUTES | GEOPHYSICAL METHODS | GEOPHYSICAL METHODS | GEOPHYSICAL METHODS | |
| | | | | ROCK MASS CLASSIFICATION SOIL INVESTIGATION GROUNDWATER GEOTECHNICAL TESTS | |
| 4 | 2050 | CLAY, | | | |
| 4.1 | | much to wet | | | |
| 4.2 | | FIRM, LOOSE | | | |
| 4.3 | | MOTTLED, YELLOW-BROWN | | | |
| 4.4 | | AND GREY | | | |
| 4.5 | | grey variegating | | | |
| 4.6 | | with depth. | | | |
| 4.7 | | | CH | | |
| 4.8 | | | | | |
| 4.9 | | | | | |
| 4.10 | | | | | |
| 4.11 | | | | | |
| 4.12 | | | | | |
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83

DEPARTMENT OF MINES AND ENERGY

GEOLOGICAL LOG OF TEST HOLE

HOLE NO. DEEGERMIRE 169

LOCATION: Proprietor: Loring at Rollin, Va.

HOLOCENE

1000 ft N 88° E to 15'-1

2000 ft S 88° E

| DEPTH ft. | TEST NO. | DESCRIPTION | TEST | |
|------------------------|-------------|------------------------------------|------|-----------------|
| | | | SOIL | ROCK MASS INDEX |
| ROCK MASS INDEX | | | | |
| 0.0 | 1 | SOIL brownish tan loamy sand | CH | 1.0 |
| 0.5 | 2 | CLAY, silty brownish tan | CH | 1.0 |
| 1.0 | 3 | CLAY, silty brownish tan | CH | 1.0 |
| 1.5 | 4 | CLAY, silty brownish tan | CH | 1.0 |
| 2.0 | 5 | CLAY, silty brownish tan | CH | 1.0 |
| 2.5 | 6 | CLAY, silty brownish tan | CH | 1.0 |
| 3.0 | 7 | CLAY, silty brownish tan | CH | 1.0 |
| 3.5 | 8 | CLAY, silty brownish tan | CH | 1.0 |
| 4.0 | 9 | CLAY, silty brownish tan | CH | 1.0 |
| 4.5 | 10 | CLAY, silty brownish tan | CH | 1.0 |
| 5.0 | 11 | CLAY, silty brownish tan | CH | 1.0 |
| 5.5 | 12 | CLAY, silty brownish tan | CH | 1.0 |
| 6.0 | 13 | CLAY, silty brownish tan | CH | 1.0 |
| 6.5 | 14 | CLAY, silty brownish tan | CH | 1.0 |
| 7.0 | 15 | CLAY, silty brownish tan | CH | 1.0 |
| 7.5 | 16 | CLAY, silty brownish tan | CH | 1.0 |
| 8.0 | 17 | CLAY, silty brownish tan | CH | 1.0 |
| 8.5 | 18 | CLAY, silty brownish tan | CH | 1.0 |
| 9.0 | 19 | CLAY, silty brownish tan | CH | 1.0 |
| 9.5 | 20 | CLAY, silty brownish tan | CH | 1.0 |
| 10.0 | 21 | CLAY, silty brownish tan | CH | 1.0 |
| 10.5 | 22 | CLAY, silty brownish tan | CH | 1.0 |
| 11.0 | 23 | CLAY, silty brownish tan | CH | 1.0 |
| 11.5 | 24 | CLAY, silty brownish tan | CH | 1.0 |
| 12.0 | 25 | CLAY, silty brownish tan | CH | 1.0 |
| 12.5 | 26 | CLAY, silty brownish tan | CH | 1.0 |
| 13.0 | 27 | CLAY, silty brownish tan | CH | 1.0 |
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| 14.0 | 29 | CLAY, silty brownish tan | CH | 1.0 |
| 14.5 | 30 | CLAY, silty brownish tan | CH | 1.0 |
| 15.0 | 31 | CLAY, silty brownish tan | CH | 1.0 |
| 15.5 | 32 | CLAY, silty brownish tan | CH | 1.0 |
| 16.0 | 33 | CLAY, silty brownish tan | CH | 1.0 |
| 16.5 | 34 | CLAY, silty brownish tan | CH | 1.0 |
| 17.0 | 35 | CLAY, silty brownish tan | CH | 1.0 |
| 17.5 | 36 | CLAY, silty brownish tan | CH | 1.0 |
| 18.0 | 37 | CLAY, silty brownish tan | CH | 1.0 |
| 18.5 | 38 | CLAY, silty brownish tan | CH | 1.0 |
| 19.0 | 39 | CLAY, silty brownish tan | CH | 1.0 |
| 19.5 | 40 | CLAY, silty brownish tan | CH | 1.0 |
| 20.0 | 41 | CLAY, silty brownish tan | CH | 1.0 |
| 20.5 | 42 | CLAY, silty brownish tan | CH | 1.0 |
| 21.0 | 43 | CLAY, silty brownish tan | CH | 1.0 |
| 21.5 | 44 | CLAY, silty brownish tan | CH | 1.0 |
| 22.0 | 45 | CLAY, silty brownish tan | CH | 1.0 |
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| 23.0 | 47 | CLAY, silty brownish tan | CH | 1.0 |
| 23.5 | 48 | CLAY, silty brownish tan | CH | 1.0 |
| 24.0 | 49 | CLAY, silty brownish tan | CH | 1.0 |
| 24.5 | 50 | CLAY, silty brownish tan | CH | 1.0 |
| 25.0 | 51 | CLAY, silty brownish tan | CH | 1.0 |
| 25.5 | 52 | CLAY, silty brownish tan | CH | 1.0 |
| 26.0 | 53 | CLAY, silty brownish tan | CH | 1.0 |
| 26.5 | 54 | CLAY, silty brownish tan | CH | 1.0 |
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| 30.0 | 61 | CLAY, silty brownish tan | CH | 1.0 |
| 30.5 | 62 | CLAY, silty brownish tan | CH | 1.0 |
| 31.0 | 63 | CLAY, silty brownish tan | CH | 1.0 |
| 31.5 | 64 | CLAY, silty brownish tan | CH | 1.0 |
| 32.0 | 65 | CLAY, silty brownish tan | CH | 1.0 |
| 32.5 | 66 | CLAY, silty brownish tan | CH | 1.0 |
| 33.0 | 67 | CLAY, silty brownish tan | CH | 1.0 |
| 33.5 | 68 | CLAY, silty brownish tan | CH | 1.0 |
| 34.0 | 69 | CLAY, silty brownish tan | CH | 1.0 |
| 34.5 | 70 | CLAY, silty brownish tan | CH | 1.0 |
| 35.0 | 71 | CLAY, silty brownish tan | CH | 1.0 |
| 35.5 | 72 | CLAY, silty brownish tan | CH | 1.0 |
| 36.0 | 73 | CLAY, silty brownish tan | CH | 1.0 |
| 36.5 | 74 | CLAY, silty brownish tan | CH | 1.0 |
| 37.0 | 75 | CLAY, silty brownish tan | CH | 1.0 |
| 37.5 | 76 | CLAY, silty brownish tan | CH | 1.0 |
| 38.0 | 77 | CLAY, silty brownish tan | CH | 1.0 |
| 38.5 | 78 | CLAY, silty brownish tan | CH | 1.0 |
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| 39.5 | 80 | CLAY, silty brownish tan | CH | 1.0 |
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| 41.0 | 83 | CLAY, silty brownish tan | CH | 1.0 |
| 41.5 | 84 | CLAY, silty brownish tan | CH | 1.0 |
| 42.0 | 85 | CLAY, silty brownish tan | CH | 1.0 |
| 42.5 | 86 | CLAY, silty brownish tan | CH | 1.0 |
| 43.0 | 87 | CLAY, silty brownish tan | CH | 1.0 |
| 43.5 | 88 | CLAY, silty brownish tan | CH | 1.0 |
| 44.0 | 89 | CLAY, silty brownish tan | CH | 1.0 |
| 44.5 | 90 | CLAY, silty brownish tan | CH | 1.0 |
| 45.0 | 91 | CLAY, silty brownish tan | CH | 1.0 |
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| 49.5 | 100 | CLAY, silty brownish tan | CH | 1.0 |
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| 57.0 | 115 | CLAY, silty brownish tan | CH | 1.0 |
| 57.5 | 116 | CLAY, silty brownish tan | CH | 1.0 |
| 58.0 | 117 | CLAY, silty brownish tan | CH | 1.0 |
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| 61.0 | 123 | CLAY, silty brownish tan | CH | 1.0 |
| 61.5 | 124 | CLAY, silty brownish tan | CH | 1.0 |
| 62.0 | 125 | CLAY, silty brownish tan | CH | 1.0 |
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| 63.0 | 127 | CLAY, silty brownish tan | CH | 1.0 |
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| 66.0 | 133 | CLAY, silty brownish tan | CH | 1.0 |
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| 67.0 | 135 | CLAY, silty brownish tan | CH | 1.0 |
| 67.5 | 136 | CLAY, silty brownish tan | CH | 1.0 |
| 68.0 | 137 | CLAY, silty brownish tan | CH | 1.0 |
| 68.5 | 138 | CLAY, silty brownish tan | CH | 1.0 |
| 69.0 | 139 | CLAY, silty brownish tan | CH | 1.0 |
| 69.5 | 140 | CLAY, silty brownish tan | CH | 1.0 |
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| 71.0 | 143 | CLAY, silty brownish tan | CH | 1.0 |
| 71.5 | 144 | CLAY, silty brownish tan | CH | 1.0 |
| 72.0 | 145 | CLAY, silty brownish tan | CH | 1.0 |
| 72.5 | 146 | CLAY, silty brownish tan | CH | 1.0 |
| 73.0 | 147 | CLAY, silty brownish tan | CH | 1.0 |
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| 82.5 | 166 | CLAY, silty brownish tan | CH | 1.0 |
| 83.0 | 167 | CLAY, silty brownish tan | CH | 1.0 |
| 83.5 | 168 | CLAY, silty brownish tan | CH | 1.0 |
| 84.0 | 169 | CLAY, silty brownish tan | CH | 1.0 |
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| 86.0 | 173 | CLAY, silty brownish tan | CH | 1.0 |
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| 88.5 | 178 | CLAY, silty brownish tan | CH | 1.0 |
| 89.0 | 179 | CLAY, silty brownish tan | CH | 1.0 |
| 89.5 | 180 | CLAY, silty brownish tan | CH | 1.0 |
| 90.0 | 181 | CLAY, silty brownish tan | CH | 1.0 |
| 90.5 | 182 | CLAY, silty brownish tan | CH | 1.0 |
| 91.0 | 183 | CLAY, silty brownish tan | CH | 1.0 |
| 91.5 | 184 | CLAY, silty brownish tan | CH | 1.0 |
| 92.0 | 185 | CLAY, silty brownish tan | CH | 1.0 |
| 92.5 | 186 | CLAY, silty brownish tan | CH | 1.0 |
| 93.0 | 187 | CLAY, silty brownish tan | CH | 1.0 |
| 93.5 | 188 | CLAY, silty brownish tan | CH | 1.0 |
| 94.0 | 189 | CLAY, silty brownish tan | CH | 1.0 |
| 94.5 | 190 | CLAY, silty brownish tan | CH | 1.0 |
| 95.0 | 191 | CLAY, silty brownish tan | CH | 1.0 |
| 95.5 | 192 | CLAY, silty brownish tan | CH | 1.0 |
| 96.0 | 193 | CLAY, silty brownish tan | CH | 1.0 |
| 96.5 | 194 | CLAY, silty brownish tan | CH | 1.0 |
| 97.0 | 195 | CLAY, silty brownish tan | CH | 1.0 |
| 97.5 | 196 | CLAY, silty brownish tan | CH | 1.0 |
| 98.0 | 197 | CLAY, silty brownish tan | CH | 1.0 |
| 98.5 | 198 | CLAY, silty brownish tan | CH | 1.0 |
| 99.0 | 199 | CLAY, silty brownish tan | CH | 1.0 |
| 99.5 | 200 | CLAY, silty brownish tan | CH | 1.0 |
| 100.0 | 201 | CLAY, silty brownish tan | CH | 1.0 |

DEPARTMENT OF MINES AND ENERGY

GEOLOGICAL LOG OF TEST HOLE

HOLE NO. DEEGERMIRE 169

HOLOCENE

2000 ft S 88° E

RECORD SHEET

TEST NO. 169

GEOLOGIC LOG OF DRILL HOLE

Proposed Consol. of Ashton Co.

103-07

HOLE NO. DICKINSONVILLE #10

FID NO. 5827654-7
223537-5

| DEPTH ft. | LOG DESCRIPTION | ROCK TYPE | BGS DESCRIPTIVE METHODS | |
|--------------|-------------------------|--------------|-------------------------------|--------------|
| | | | ROCK TYPE | ROCK TYPE |
| 0-10 | dry sand, fine sand | CH | | |
| 11-12 | light grey | CH | | |
| 13-14 | medium, stiff | CH | | |
| 15-16 | yellowish | CH | | |
| 17-18 | occasional "boulders" | CH | | |
| 19-20 | fine, angular, rounded | CH | | |
| 21-22 | light grey | CH | | |
| 23-24 | medium, stiff, slightly | CH | | |
| 25-26 | yellowish | CH | | |
| 27-28 | yellowish, greyish | CH | | |
| 29-30 | yellowish, greyish | CH | | |
| 31-32 | yellowish, greyish | CH | | |
| 33-34 | yellowish, greyish | CH | | |
| 35-36 | yellowish, greyish | CH | | |
| 37-38 | yellowish, greyish | CH | | |
| 39-40 | yellowish, greyish | CH | | |
| 41-42 | yellowish, greyish | CH | | |
| 43-44 | yellowish, greyish | CH | | |
| 45-46 | yellowish, greyish | CH | | |
| 47-48 | yellowish, greyish | CH | | |
| 49-50 | yellowish, greyish | CH | | |
| 51-52 | yellowish, greyish | CH | | |
| 53-54 | yellowish, greyish | CH | | |
| 55-56 | yellowish, greyish | CH | | |
| 57-58 | yellowish, greyish | CH | | |
| 59-60 | yellowish, greyish | CH | | |
| 61-62 | yellowish, greyish | CH | | |
| 63-64 | yellowish, greyish | CH | | |
| 65-66 | yellowish, greyish | CH | | |
| 67-68 | yellowish, greyish | CH | | |
| 69-70 | yellowish, greyish | CH | | |
| 71-72 | yellowish, greyish | CH | | |
| 73-74 | yellowish, greyish | CH | | |
| 75-76 | yellowish, greyish | CH | | |
| 77-78 | yellowish, greyish | CH | | |
| 79-80 | yellowish, greyish | CH | | |
| 81-82 | yellowish, greyish | CH | | |
| 83-84 | yellowish, greyish | CH | | |
| 85-86 | yellowish, greyish | CH | | |
| 87-88 | yellowish, greyish | CH | | |
| 89-90 | yellowish, greyish | CH | | |
| 91-92 | yellowish, greyish | CH | | |
| 93-94 | yellowish, greyish | CH | | |
| 95-96 | yellowish, greyish | CH | | |
| 97-98 | yellowish, greyish | CH | | |
| 99-100 | yellowish, greyish | CH | | |
| 101-102 | yellowish, greyish | CH | | |
| 103-104 | yellowish, greyish | CH | | |
| 105-106 | yellowish, greyish | CH | | |
| 107-108 | yellowish, greyish | CH | | |
| 109-110 | yellowish, greyish | CH | | |
| 111-112 | yellowish, greyish | CH | | |
| 113-114 | yellowish, greyish | CH | | |
| 115-116 | yellowish, greyish | CH | | |
| 117-118 | yellowish, greyish | CH | | |
| 119-120 | yellowish, greyish | CH | | |
| 121-122 | yellowish, greyish | CH | | |
| 123-124 | yellowish, greyish | CH | | |
| 125-126 | yellowish, greyish | CH | | |
| 127-128 | yellowish, greyish | CH | | |
| 129-130 | yellowish, greyish | CH | | |
| 131-132 | yellowish, greyish | CH | | |
| 133-134 | yellowish, greyish | CH | | |
| 135-136 | yellowish, greyish | CH | | |
| 137-138 | yellowish, greyish | CH | | |
| 139-140 | yellowish, greyish | CH | | |
| 141-142 | yellowish, greyish | CH | | |
| 143-144 | yellowish, greyish | CH | | |
| 145-146 | yellowish, greyish | CH | | |
| 147-148 | yellowish, greyish | CH | | |
| 149-150 | yellowish, greyish | CH | | |
| 151-152 | yellowish, greyish | CH | | |
| 153-154 | yellowish, greyish | CH | | |
| 155-156 | yellowish, greyish | CH | | |
| 157-158 | yellowish, greyish | CH | | |
| 159-160 | yellowish, greyish | CH | | |
| 161-162 | yellowish, greyish | CH | | |
| 163-164 | yellowish, greyish | CH | | |
| 165-166 | yellowish, greyish | CH | | |
| 167-168 | yellowish, greyish | CH | | |
| 169-170 | yellowish, greyish | CH | | |
| 171-172 | yellowish, greyish | CH | | |
| 173-174 | yellowish, greyish | CH | | |
| 175-176 | yellowish, greyish | CH | | |
| 177-178 | yellowish, greyish | CH | | |
| 179-180 | yellowish, greyish | CH | | |
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| 211-212 | yellowish, greyish | CH | | |
| 213-214 | yellowish, greyish | CH | | |
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| 299-300 | yellowish, greyish | CH | | |
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| 421-422 | yellowish, greyish | CH | | |
| 423-424 | yellowish, greyish | CH | | |
| 425-426 | yellowish, greyish | CH | | |
| 427-428 | yellowish, greyish | CH | | |
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| 495-496 | yellowish, greyish | CH | | |
| 497-498 | yellowish, greyish | CH | | |
| 499-500 | yellowish, greyish | CH | | |
| 501-502 | yellowish, greyish | CH | | |
| 503-504 | yellowish, greyish | CH | | |
| 505-506 | yellowish, greyish | CH | | |
| 507-508 | yellowish, greyish | CH | | |
| 509-510 | yellowish, greyish | CH | | |
| 511-512 | yellowish, greyish | CH | | |
| 513-514 | yellowish, greyish | CH | | |
| 515-516 | yellowish, greyish | CH | | |
| 517-518 | yellowish, greyish | CH | | |
| 519-520 | yellowish, greyish | CH | | |
| 521-522 | yellowish, greyish | CH | | |
| 523-524 | yellowish, greyish | CH | | |
| 525-526 | yellowish, greyish | CH | | |
| 527-528 | yellowish, greyish | CH | | |
| 529-530 | yellowish, greyish | CH | | |
| 531-532 | yellowish, greyish | CH | | |
| 533-534 | yellowish, greyish | CH | | |
| 535-536 | yellowish, greyish | CH | | |
| 537-538 | yellowish, greyish | CH | | |
| 539-540 | yellowish, greyish | CH</ | | |

DEPARTMENT OF MINES AND ENERGY

GEOPHYSICAL LOG OF DRILL HOLE

HOLE NO. DICKINSON 172

LICENCE: Lepid. Boundary of Bellin Co.

172-92

AND REF. 5930059.0
272871.5

1.000' - 1.500'
2.000' - 2.500'
3.000' - 3.500'
4.000' - 4.500'
5.000' - 5.500'
6.000' - 6.500'

CLAY, silty
mud, stiff
dark red brown

2.1
CLAY, silty
mud, stiff
dark red brown

2.2
CLAY, silty
mud, stiff
dark grey
some calicheous mud
of C.R.

CLAY, silty
mud, stiff
brown grey

| | | |
|-----------|-------|-------|
| Gamma 210 | 210 | 210 |
| Alpha | Alpha | Alpha |
| Depth | Depth | Depth |
| 1000' | 1000' | 1000' |

2.3
SOIL
MUD, STIFF
SILT, SOIL, STIFF

ROCK MASS FEATURES
SOIL, MUD, STIFF
SILT, SOIL, STIFF

C.R.

| | |
|-----------|-------|
| Gamma 210 | 210 |
| Alpha | Alpha |
| Depth | Depth |
| 1000' | 1000' |

DEPARTMENT OF MINES AND ENERGY

GEOPHYSICAL LOG OF DRILL HOLE

HOLE NO. DICKINSON 172

LICENCE: Lepid. Boundary of Bellin Co.

172-92
272871.5

1.000' - 1.500'
2.000' - 2.500'
3.000' - 3.500'
4.000' - 4.500'
5.000' - 5.500'
6.000' - 6.500'

2.1
CLAY, silty
mud, stiff, fissured
yellowish brown
grey

C.R.

Auger, Bellin, 1000'

| | | |
|-----------|-------|-------|
| Gamma 210 | 210 | 210 |
| Alpha | Alpha | Alpha |
| Depth | Depth | Depth |
| 1000' | 1000' | 1000' |

59

| DEPARTMENT OF MINERALS AND ENERGY | | BUREAU OF GEOL OGICAL SURVEY | | DRILLING LOG OF DRILL HOLE | | HOLE NO. DISTERWICHAN 173 | |
|-----------------------------------|--------------|------------------------------|--------------|----------------------------|--------------|---------------------------------|--------------|
| | | | | | | | |
| | | | | | | Hole No. 533002-1-A 233322-2 | |
| DEPTH ft. | TIME min. | DEPTH ft. | TIME min. | DEPTH ft. | TIME min. | DEPTH ft. | TIME min. |
| 0.0 | | 0.0 | | 0.0 | | 0.0 | |
| 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| 2.0 | | 2.0 | | 2.0 | | 2.0 | |
| 3.0 | | 3.0 | | 3.0 | | 3.0 | |
| 4.0 | | 4.0 | | 4.0 | | 4.0 | |
| 5.0 | | 5.0 | | 5.0 | | 5.0 | |
| 6.0 | | 6.0 | | 6.0 | | 6.0 | |
| 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| 8.0 | | 8.0 | | 8.0 | | 8.0 | |
| 9.0 | | 9.0 | | 9.0 | | 9.0 | |
| 10.0 | | 10.0 | | 10.0 | | 10.0 | |
| 11.0 | | 11.0 | | 11.0 | | 11.0 | |
| 12.0 | | 12.0 | | 12.0 | | 12.0 | |
| 13.0 | | 13.0 | | 13.0 | | 13.0 | |
| 14.0 | | 14.0 | | 14.0 | | 14.0 | |
| 15.0 | | 15.0 | | 15.0 | | 15.0 | |
| 16.0 | | 16.0 | | 16.0 | | 16.0 | |
| 17.0 | | 17.0 | | 17.0 | | 17.0 | |
| 18.0 | | 18.0 | | 18.0 | | 18.0 | |
| 19.0 | | 19.0 | | 19.0 | | 19.0 | |
| 20.0 | | 20.0 | | 20.0 | | 20.0 | |
| 21.0 | | 21.0 | | 21.0 | | 21.0 | |
| 22.0 | | 22.0 | | 22.0 | | 22.0 | |
| 23.0 | | 23.0 | | 23.0 | | 23.0 | |
| 24.0 | | 24.0 | | 24.0 | | 24.0 | |
| 25.0 | | 25.0 | | 25.0 | | 25.0 | |
| 26.0 | | 26.0 | | 26.0 | | 26.0 | |
| 27.0 | | 27.0 | | 27.0 | | 27.0 | |
| 28.0 | | 28.0 | | 28.0 | | 28.0 | |
| 29.0 | | 29.0 | | 29.0 | | 29.0 | |
| 30.0 | | 30.0 | | 30.0 | | 30.0 | |
| 31.0 | | 31.0 | | 31.0 | | 31.0 | |
| 32.0 | | 32.0 | | 32.0 | | 32.0 | |
| 33.0 | | 33.0 | | 33.0 | | 33.0 | |
| 34.0 | | 34.0 | | 34.0 | | 34.0 | |
| 35.0 | | 35.0 | | 35.0 | | 35.0 | |
| 36.0 | | 36.0 | | 36.0 | | 36.0 | |
| 37.0 | | 37.0 | | 37.0 | | 37.0 | |
| 38.0 | | 38.0 | | 38.0 | | 38.0 | |
| 39.0 | | 39.0 | | 39.0 | | 39.0 | |
| 40.0 | | 40.0 | | 40.0 | | 40.0 | |
| 41.0 | | 41.0 | | 41.0 | | 41.0 | |
| 42.0 | | 42.0 | | 42.0 | | 42.0 | |
| 43.0 | | 43.0 | | 43.0 | | 43.0 | |
| 44.0 | | 44.0 | | 44.0 | | 44.0 | |
| 45.0 | | 45.0 | | 45.0 | | 45.0 | |
| 46.0 | | 46.0 | | 46.0 | | 46.0 | |
| 47.0 | | 47.0 | | 47.0 | | 47.0 | |
| 48.0 | | 48.0 | | 48.0 | | 48.0 | |
| 49.0 | | 49.0 | | 49.0 | | 49.0 | |
| 50.0 | | 50.0 | | 50.0 | | 50.0 | |
| 51.0 | | 51.0 | | 51.0 | | 51.0 | |
| 52.0 | | 52.0 | | 52.0 | | 52.0 | |
| 53.0 | | 53.0 | | 53.0 | | 53.0 | |
| 54.0 | | 54.0 | | 54.0 | | 54.0 | |
| 55.0 | | 55.0 | | 55.0 | | 55.0 | |
| 56.0 | | 56.0 | | 56.0 | | 56.0 | |
| 57.0 | | 57.0 | | 57.0 | | 57.0 | |
| 58.0 | | 58.0 | | 58.0 | | 58.0 | |
| 59.0 | | 59.0 | | 59.0 | | 59.0 | |
| 60.0 | | 60.0 | | 60.0 | | 60.0 | |
| 61.0 | | 61.0 | | 61.0 | | 61.0 | |
| 62.0 | | 62.0 | | 62.0 | | 62.0 | |
| 63.0 | | 63.0 | | 63.0 | | 63.0 | |
| 64.0 | | 64.0 | | 64.0 | | 64.0 | |
| 65.0 | | 65.0 | | 65.0 | | 65.0 | |
| 66.0 | | 66.0 | | 66.0 | | 66.0 | |
| 67.0 | | 67.0 | | 67.0 | | 67.0 | |
| 68.0 | | 68.0 | | 68.0 | | 68.0 | |
| 69.0 | | 69.0 | | 69.0 | | 69.0 | |
| 70.0 | | 70.0 | | 70.0 | | 70.0 | |
| 71.0 | | 71.0 | | 71.0 | | 71.0 | |
| 72.0 | | 72.0 | | 72.0 | | 72.0 | |
| 73.0 | | 73.0 | | 73.0 | | 73.0 | |
| 74.0 | | 74.0 | | 74.0 | | 74.0 | |
| 75.0 | | 75.0 | | 75.0 | | 75.0 | |
| 76.0 | | 76.0 | | 76.0 | | 76.0 | |
| 77.0 | | 77.0 | | 77.0 | | 77.0 | |
| 78.0 | | 78.0 | | 78.0 | | 78.0 | |
| 79.0 | | 79.0 | | 79.0 | | 79.0 | |
| 80.0 | | 80.0 | | 80.0 | | 80.0 | |
| 81.0 | | 81.0 | | 81.0 | | 81.0 | |
| 82.0 | | 82.0 | | 82.0 | | 82.0 | |
| 83.0 | | 83.0 | | 83.0 | | 83.0 | |
| 84.0 | | 84.0 | | 84.0 | | 84.0 | |
| 85.0 | | 85.0 | | 85.0 | | 85.0 | |
| 86.0 | | 86.0 | | 86.0 | | 86.0 | |
| 87.0 | | 87.0 | | 87.0 | | 87.0 | |
| 88.0 | | 88.0 | | 88.0 | | 88.0 | |
| 89.0 | | 89.0 | | 89.0 | | 89.0 | |
| 90.0 | | 90.0 | | 90.0 | | 90.0 | |
| 91.0 | | 91.0 | | 91.0 | | 91.0 | |
| 92.0 | | 92.0 | | 92.0 | | 92.0 | |
| 93.0 | | 93.0 | | 93.0 | | 93.0 | |
| 94.0 | | 94.0 | | 94.0 | | 94.0 | |
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| DEPARTMENT OF MINERALS AND ENERGY | | BUREAU OF GEOL OGICAL SURVEY | | DRILLING LOG OF DRILL HOLE | | HOLE NO. DISTERWICHAN 173 | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | | | | | | | |
| | | | | | | Hole No. 533002-1-A 233322-2 | |

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| DEPARTMENT OF MINES AND ENERGY | | GEOLOGICAL LOG OF DRILL HOLE | | FILE NO. D1240004-174 | |
|--------------------------------|--|------------------------------|-------|-----------------------------------|-------|
| Bogachie Shale and Morden Lm. | | | | FILE REF. # 9830004-3 294601-O | |
| DRILLER: [REDACTED] | | TESTS: [REDACTED] | | TESTS: [REDACTED] | |
| DEPTH (ft.) | DESCRIPTION | TESTS | TESTS | TESTS | TESTS |
| 0.0 - 1.0 | Soil, silty, yellowish brown. | | | | |
| 1.1 - 1.5 | Silty clay, sand, silty, dark brown. | C.L. | C.S. | | |
| 1.6 - 2.0 | | | | | |
| 2.1 - 2.5 | Silt, sand, yellowish brown. | | | | |
| 2.6 - 3.0 | Clay, silty, sand, silty, grey-brown. | C.D. | | | |
| 3.1 - 3.5 | Shale, light tan, greenish, dark, black & tan brown. | | | | |
| 3.6 - 4.0 | Silt, silty, sand, tan, grey. | C.L. | | | |
| 4.1 - 4.5 | Calcareous lime, white, soft, fissile. | | | | |
| 4.6 - 5.0 | | | | | |
| 5.1 - 5.5 | | | | | |
| 5.6 - 6.0 | Layer dolomite, cream. | V | | | |
| 6.1 - 6.5 | | | | | |
| 6.6 - 7.0 | | | | | |
| 7.1 - 7.5 | | | | | |
| 7.6 - 8.0 | | | | | |
| 8.1 - 8.5 | | | | | |
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APPENDIX 2**Excavation Logs**

69

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERKINWARAH 113 |
|---|--------------|--|--|--------------|--------------------------------|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 155.20 | | ST 455140 AMG. REF. 2938440 |
| EQUIPMENT TYPE AND MODEL Case 580 C; 600 mm bucket. | | | EXCAVATION DIMENSIONS 1.0 m LONG 0.45 m WIDE | | |
| METHOD | DEPTH m | TYPE OF EXCAVATION | GRAPHIC LOG. | | WATER |
| | | | SOIL DESCRIPTION | TEST RESULTS | |
| DOZING | 0.5 | SILTY CLAY moist, friable, red-brown | CL | | |
| DOZING | 1.0 | SILTY CLAY, moist, very stiff, dark brown, calcareous nodules at 200 mm BURNT, red, and blue flecks. | CH | | |
| DOZING | 1.5 | Boulders, Red. | Z.W. | | |
| DOZING | 2.0 | | | | |
| DOZING | 2.5 | | | | |
| DOZING | 3.0 | | | | |
| DOZING | 3.5 | | | | |
| | | | | | |
| Logged | P.C. Doherty | Notes Insufficient Depth for Burnt. | | | |
| Date | 7-5-'84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 | of | 1 Drawing no. MC 2/1 |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT No. D1ERRINHARRN 116 |
|--|-----------------------|-------------------------------------|---|-------------------|-------------------------------------|
| PROJECT Proposed Cemetery at Nelson, Vic. | | | LOCATION R.L. GROUND 158.70 | | 59-24555-C AMG. REF. 293560-0 |
| EQUIPMENT TYPE AND MODEL Case 580C 600-mm Bucket | | | EXCAVATION DIMENSIONS 2.0 m LONG 0.6 m WIDE | | |
| METHOD DRA CK AGE | EASE OF EXCAVATION | DEPTH m | GRAPHIC LOG. | | WATER |
| | | | L.H. | H.W. | |
| D | A | 0.5 | SILTY CLAY, moist, friable, Dark brown. | L.H. | |
| D | A | 0.5 | BASALT. Plaster, tightly packed CALCIFEROUS NODULES. | H.W. | |
| R | E | 1.0 | Backhoe refusal. | | |
| | | | | | |
| Logged | P.G. Dahmane | Notes Insufficient Depth for Burial | | | |
| Date | 7-5-84. | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 of 1 | Drawing no. MCP 2 | |

71

| DEPARTMENT OF MINERS AND ENERGY | | | EXCAVATION LOG. | | PIT No. D JEARNIWAH 119 |
|--|---|--|---|-----------|-----------------------------------|
| PROJECT Proposed Cremetery at Melton, h. | | | LOCATION R.L. GROUND 161+10 | | EAS 25595-0 AMG. REF. 293260-0 |
| EQUIPMENT TYPE AND MODE OF EXCAVATION Case 580 C 600 mm Bucket | | | EXCAVATION DIMENSIONS 3.0 m LONG 0.6 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | TYPE | CHARACTER | |
| ROCK DRILLING | CLAYEY SILT, dry, friable, red-brown | 0.0 | M | | |
| | SILTY CLAY, moist, stiff, dark red-brown | 0.5 | CL | | |
| | SILTY CLAY, moist, stiff, grey-brown | 1.0 | CH | | |
| | Clay, moist, stiff, fissured, grey, slightly mottled with orange-brown black coatings (dendrite-like) on fissure surfaces, stickinessides. Calcareous nodules around 1.0 m. | 1.5 | CH | | |
| | | 2.0 | | | |
| | | 2.5 | | | |
| | | 3.0 | | | |
| | End of pit. | 3.5 | | | |
| | | | | | |
| Logged | P. Duthie | Notes Very easily excavated. A 'clean' smooth-sided pit. | | | |
| Date | 7-5-84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 | of | 1 |
| | | Drawing no. NCP 3 | | | |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWARA 122. |
|--|-----------------------|---------|--|------|---------------------------------|
| PROJECT Proposed Cemetery at Merton, Vic. | | | LOCATION R.L. GROUND 163.70 | | AMG. REF. 5929658-0 292966-0 |
| EQUIPMENT TYPE AND MODEL Case 560 C 603mm Bucket | | | | | |
| EXCAVATION DIMENSIONS 2.7 m LONG 0.4 m WIDE | | | | | |
| METHOD DRA CK HOLE | TYPE OF EXCAVATION | DEPTH m | GRAPHIC LOG. | | WATER |
| | | | 1.00 | 0.50 | |
| DRA CK HOLE | OPEN | 0.0 | CLAYEY SILT, dry, friable, red-brown | Mb | Water level at 4.0 m depth |
| | | 0.5 | SILTY CLAY, moist, stiff, dark red-brown | CL | |
| | | 1.0 | CLAY, silty, moist, stiff grey-brown. Some carbonate nodules around 1.0 m | CH | |
| | | 1.5 | CLAY, moist, stiff, fissured. grey with occasional yellow-brown mottling. | CH | |
| | | 2.0 | slight slickensides on fissure surfaces obvious. | CH | |
| | | 2.5 | | CH | |
| | | 3.0 | | CH | |
| | | 3.5 | End of pit. | CH | |
| | | 4.0 | | CH | |
| | | | | CH | |

| 6.5 | 1.0 | 1.5 | 2.0 | 2.5 | |
|-----|-----|-----|-----|-----|-------------------------|
| 5.5 | | | | | Clayey Silt |
| 5.0 | | | | | Shy Clay |
| 4.5 | | | | | Some carbonate nodules. |
| 4.0 | | | | | Clay. |
| 3.5 | | | | | |

| | | |
|----------------|-----------|------------------------------------|
| Logged | P. Duhham | Notes |
| Date | 7.5.84 | |
| Checked | | |
| Approved | | |
| Vertical Scale | 1:50 | Sheet no. 1 of 1 Drawing No. MCF 4 |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG | | PIT NO. D1221W125 |
|---|-----------------------|--|--|---|--|
| PROJECT Proposed Cemetery at Melton Mowbray | | | LOCATION R.L. GROUND 164.70 | | REF. NO. 5522674-0 AMG. REF. 282670-0 |
| EQUIPMENT TYPE AND MODEL Case 580C 600-mm Bucket | | | EXCAVATION DIMENSIONS 2.8 m LONG 0.65 m WIDE | | |
| METHOD BACKHOE | EASE OF EXCAVATION | DEPTH m | GRAPHIC LOG. | | WATER |
| | | | TYPE | DESCRIPTION | |
| | | 0.0 - 0.5 | ML | CLAYEY SILT, sandy, red-brown | |
| | | 0.5 | CL | SILTY CLAY, moist, stiff, dark red-brown | |
| | | 1.0 | CH | SILTY CLAY, moist, stiff, grey-brown | |
| | | 1.5 | GC | As above, with many CALCAREOUS NODULES, BASALT, 70mm cobbles, three other pieces up to around 200mm size. | |
| | | 2.0 | E.W. | Extremely Weathered BASALT | |
| | | 2.5 | | Backhoe refusal. | |
| | | 3.0 | | | |
| <p>0.0 - 0.5 Red-Brown Clayey silt Dark red brown Silty clay 1.0 - 1.5 Grey-brown Silty clay 1.5 - 2.0 Grey gravelly clay (building rubble clay) 2.0 - 2.5 BASALT</p> | | | | | |
| Logged | P.Dalithaus | Notes Reasonably smooth-sided hole, some areas rough where flinters were plucked out | | | |
| Date | 7-5-84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale 1:50 | | Sheet no. 1 of 1 | Drawing no. M125 | | |

DEPARTMENT OF MINERALS AND ENERGY

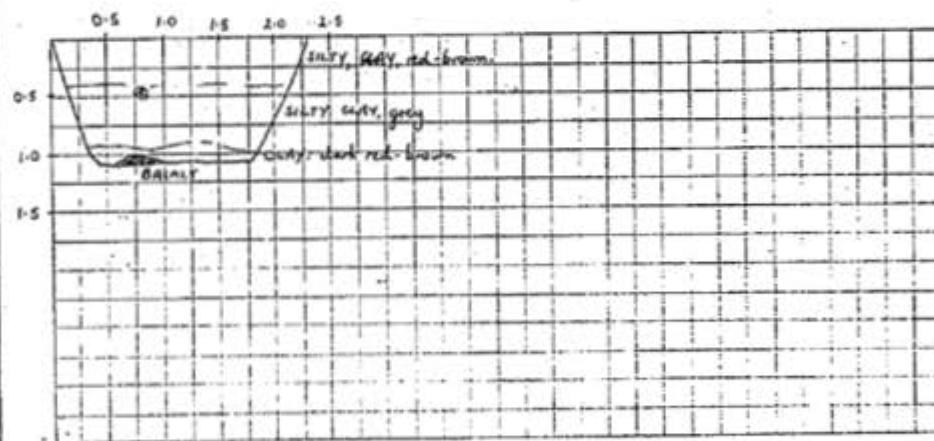
EXCAVATION LOG.

PIT NO. DJERRWARRA 132

PROJECT Proposed Cemetery at Metten, Vic. LOCATION R.L. GROUND 158.9 S328712.0
EQUIPMENT TYPE AND MODEL Case 580 C 600-mm bucket AMO. REF. 292893.0

EXCAVATION DIMENSIONS 2.3 m LONG 0.65 m WIDE

| NO. & FLOOR | METHOD | EASE OF EXCAVATION | DEPTH M | LOGIC LOG. | | WATER |
|-------------|--------|--------------------|---------|------------|--|-------|
| | | | | TYPE | DESCRIPTION | |
| | | | 0.5 | CL | SILTY CLAY, dark red-brown | |
| | | | 0.5+ | CH | SILTY CLAY, modified yellow-brown & grey, calcareous material at 0.8m numerous brownish flecks | |
| | | | 1.0 | G | CLAY, dark red-brown | |
| | | | 1.5 | | Bulldozer Retain - Barnard. | |
| | | | 2.0 | | | |
| | | | 2.5 | | | |
| | | | 3.0 | | | |



| | | |
|------------|-------------|--|
| Legend | J. Gedl | Notes |
| Date | 10-5-84 | too shallow to meet requirements for Burial. |
| Checked | P. Dahlhaus | |
| Approved | | |
| Written by | 1150 | MCP 15 |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DTEARWARRA 133 |
|---|--------------------|---|---|--------------------|------------------------|
| PROJECT Proposed Cemetery at Melton L.C. R.L. GROUND 162-70 | | | LOCATION 5828752-0 AMG. REF. 222599-0 | | |
| EQUIPMENT TYPE AND MODEL Case 580 C 600 mm bucket | | | | | |
| EXCAVATION DIMENSIONS 2.5 m LONG 0.45 m WIDE | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | TYPE | CHARACTERISTICS | |
| DOLLY | K N H O O | 0.0 | SILTY CLAY, moist, friable, red-brown | CL | |
| | | 0.5 | SILTY CLAY, moist, friable, dark red-brown | CL | |
| | | 1.0 | SILTY CLAY, moist, stiff, grey, calcareous nodules at 0.5-1.0 m | CH | |
| | | 1.5 | Bould Flaster throughout | CH | |
| | | 2.0 | CLAY, silty, moist, stiff, mottled yellow-brown/grey, Bould flaster throughout from 4.0 mm to 4.00 mm size. | CH | |
| | | 2.5 | Boulders, Refusal, Basalt "flaster" | | |
| | | 3.0 | | | |
| GRAPHIC LOG. | | | | | |
| | | | | | |
| Logged | P. Dahmane | Notes A rough hole as many flasters have been plucked from the sides. | | | |
| Date | 7.5.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. 1 of 1 | | Drawing no. MCP 14 | |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. D-28296-134 |
|--|---|--------------------|------------------------|----|---------------------|
| PROJECT Proposed Crematory at Melton Vic. R.L. GROUND 161.30 | | | LOCATION E2 28296-0 | | AMO. REF. 28296-0 |
| EQUIPMENT TYPE AND MODEL Case 580 C 600 mm | | | 3.0 m LONG 0.65 m WIDE | | |
| EXCAVATION DIMENSIONS | | | | | |
| METHOD COKING ROCK | TYPE OF EXCAVATION | DEPTH m | GRAPHIC LOG. | | WATER |
| | | | CL | CH | |
| 0.0 | SILTY CLAY, moist, friable, red brown | CL | | | |
| 0.5 | SILTY CLAY, moist, stiff, dark brown Some basalt fragments to wattle size. | CH | 0 | 0 | |
| 1.0 | CLAY, silty, moist, stiff, grey brown | CH | 0 | 0 | |
| 1.5 | Calcareous nodules 650 mm to 850 mm Fragments throughout wattle size. One 600 mm x 400 mm of 1.2 m. | CL | 0 | 0 | |
| 2.0 | Refusal on large flaser. | CL | 0 | 0 | |
| 2.5 | | CL | 0 | 0 | |
| 3.0 | | CL | 0 | 0 | |
| 3.5 | | CL | 0 | 0 | |
| | | | | | |
| Logged | P. Dahlhaus | Notes | | | |
| Date | 7.5.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 | of | 1 |
| | | Drawing no. MCP II | | | |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWAARRH 135 |
|---|-----------------------|---|---|------|------------------------------------|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 165.00 | | 152.47754.0 AMG. REF. A 12948.0 |
| EQUIPMENT TYPE AND MODEL Case 580 C 600 mm bucket | | | | | |
| EXCAVATION DIMENSIONS 2.9 m LONG 0.65 m WIDE | | | | | |
| METHOD BASIC PROCEDURE | BASE OF EXCAVATION | DEPTH M | GRAPHIC LOG. | | WATER |
| | | | CL | CH | |
| SHOVEL | | 0.5 | SILTY CLAY, moist, stiff, dark red-brown | CL | |
| SHOVEL | | 1.0 | SILTY CLAY, moist, stiff, red-brown | CL | |
| SHOVEL | | 1.5 | SILTY CLAY, moist, stiff, brown-grey some calcareous bands | CL | |
| SHOVEL | | 2.0 | SILTY CLAY, sandy, moist, stiff, mottled yellow-brown and grey. sand mainly quartz, some 'Buckshot' Basalt gravel to 60 mm throughout | CH | |
| SHOVEL | | 2.5 | one basalt boulder 200 mm, wt 1.2 m | CH | |
| SHOVEL | | 3.0 | | CH | |
| SHOVEL | | 3.5 | | CH | |
| | | | | | |
| Logged | P. Dahms | Notes Smooth-sided hole. Very easily excavated. | | | |
| Date | 7.5.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 | of 1 | Drawing no. MCP 10 |

| DEPARTMENT OF MINERS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. D JERRIWARA 136 |
|---|--------------------|------------------|---|--------------|-------------------------------------|
| PROJECT Proposed Cemetery at Melton. V.L. | | | LOCATION R.L. GROUND 165-302 | | 52288 26-0 AMG. REF. 232702.0 |
| EQUIPMENT TYPE AND MODEL Case 580 C. 600 mm. Bucket | | | EXCAVATION DIMENSIONS 3.1 m LONG 0.65 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | LOG | GRAPHIC LOG. | WATER |
| B | R | C | SILTY CLAY, moist, stiff, dark brown. | CL | |
| B | R | 0.5 | SILTY CLAY, moist, stiff, grey-brown. Subsurface contains angular 0.7m. | | |
| B | R | 1.0 | SILTY CLAY, silty, moist, stiff, fissured. | CH | |
| B | R | 1.5 | mottled yellow-brown and grey. sand fraction is fine white quartz. | | |
| B | R | 2.0 | | | |
| B | R | 2.5 | | | |
| B | R | 3.0 | | | |
| B | R | 3.5 | CLAY, silty, moist, stiff, mottled yellow-brown and grey. | | |
| B | R | 4.0 | | | |
| B | R | 4.5 | | | |
| 0.5 1.0 1.5 2.0 2.5 3.0 | | | Silty Clay, dark brown. | | |
| 0.5 1.0 1.5 2.0 2.5 3.0 | | | Silty Clay, grey-brown. | | |
| 0.5 1.0 1.5 2.0 2.5 3.0 | | | Silty Clay, mottled yellow-brown & grey. | | |
| 0.5 1.0 1.5 2.0 2.5 3.0 | | | Clay, mottled yellow-brown & grey. | | |
| Logged | P. Dahlhaus | Notes | Very easily excavated to 3 m. | | |
| Date | 7.5.84. | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. 1 of 1 | Drawing no. MCP 7 | | |

DEPARTMENT OF MINERALS AND ENERGY

EXCAVATION LOG.

PIT NO. DICKINSON H-3

PROJECT Proposed Cemetery at Melton Vic.

LOCATION

R.L. GROUND 162.10

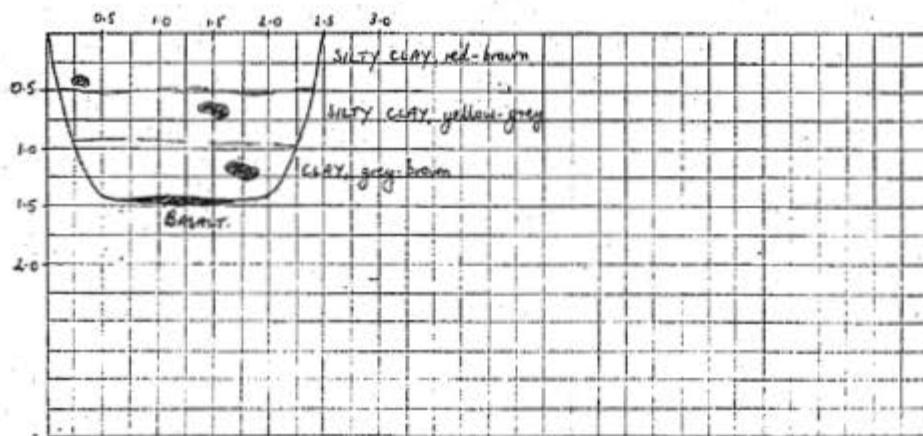
S.S. 23714.0
AMG. REF.
235148.0

EQUIPMENT TYPE AND MODEL Case 550C 600-mm bucket.

EXCAVATION DIMENSIONS

2.5 m LONG 0.65 m WIDE

| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | GRAPHIC LOG. | | WATER |
|--------------|--------------------|---------|--|--------------|---------|-------|
| | | | | NOTES | REMARKS | |
| MOTOR GRADER | Very difficult | 0.5 | SILTY CLAY, red-brown | CL | | |
| | | 1.0 | SILTY CLAY, mottled light yellow-green Calcareous zone at around 0.7m | CH | | |
| | | 1.5 | CLAY, grey-brown. Some basalt flecks. | O | | |
| | | 2.0 | Benthic refuse. | O | | |



| | | | |
|----------|------------|-------|--|
| Logged | J. Gedl | Notes | Bordeline excavation for burial of one coffin. (Minimum requirement is 1250 mm) |
| Date | 10.5.84. | | |
| Checked | P. Dahlman | | |
| Approved | | | |

Vertical Datum 1150 MCP 16

79.

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT No. DJERKJARH 145 |
|---|----------------------------|--|---|------------|-----------------------|
| PROJECT Proposed Cemetery at Melton Vic. R.L. GROUND 164.30 | | | LOCATION 5823455-0 AMG. REF. 233624-0 | | |
| EQUIPMENT TYPE AND MODEL Case 580C 600-lb bucket | | | | | |
| EXCAVATION DIMENSIONS 2.6 m LONG 0.65 m WIDE | | | | | |
| EXCAVATION DEPTH m | METHOD OF EXCAVATION | DESCRIPTION TYPE CAPACITY TESTED TESTS PERFORMED TESTS APPROVED | LOG | | WATER |
| | | | TYPE | TESTS | |
| 0.5 | | SILTY CLAY, moist, blistery, very stiff. dark red-brown | LL | | |
| 1.0 | | SILTY CLAY moist, friable, stiff. dark grey. | CH | O, C, O, H | |
| 1.5 | | calcareous nodules of 100mm Bould "Floater" throughout. | | | |
| 2.0 | | 500mm size floaters not 1.5 & 1.8m | | | |
| 2.5 | | Refusal on Basalt "Floater" | | | |
| 3.0 | | | | | |
| | | | | | |
| Logged | P. Dahlman | Notes | Buckhoe refusal on large Basalt "Floater". (presumed) | | |
| Date | 7. 5. '84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 | of 1 | Drawing no. MCP 13 |

| DEPARTMENT OF MINERS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRENAKH 148 |
|--|-------------|---|---|--------------|------------------------|
| PROJECT Proposed Cemetery at Melton, Inc. R.L. GROUND 163+40 | | | LOCATION 582.9497.0 | | AMG. REF. 29 3324.0 |
| EQUIPMENT TYPE AND MODEL Case 580 C 600-- bucket. | | | EXCAVATION DIMENSIONS 2.9 m LONG 0.6 m WIDE | | |
| PROF. FROM DOB | METHOD | EASE OF EXCAVATION | DEPTH m | GRAPHIC LOG. | WATER |
| | | | | | |
| 0.0 | | | | | |
| 0.5 | | SILT, silty, dry, friable pale red-brown | ML | | |
| 1.0 | | SILTY CLAY, moist, stiff, dark red-brown | CL | | |
| 1.5 | | CLAY, silty, moist, stiff, grey-brown some carbonaceous nodules | CH | | |
| 2.0 | | CLAY, moist, stiff, grey slightly mottled with orange-brown. Features show slickensided surfaces, some black staining (like dendrites) | CH | | |
| 2.5 | | Basalt "floaters" 200 mm to 300 mm size at 2.7 m. | CH | | |
| 3.0 | | | | | |
| 3.5 | | | | | |
| | | | | | |
| Logged | P. Dahlhaus | Notes | Extremely easy digging to over 2.0 m | | |
| Date | 7.5.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no | 1 | of 1 | Drawing no. MCP 12 |

82

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWAHR 151 |
|---|--------------------|-----------|---|-----------------|-------------------------------------|
| PROJECT Proposed Cemetery at Mellon Vic. | | | LOCATION R.L. GROUND 165.10 | | 5224034.0 AMG. REF. 2538026.0 |
| EQUIPMENT TYPE AND MODEL Case 580 C 600-mm bucket | | | EXCAVATION DIMENSIONS 3.3 m LONG 0.65m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | LOG DESCRIPTION | | WATER |
| | | | TYPE | CHARACTERISTICS | |
| DOLK | EASY | 0.0 | SILTY CLAY, moist, friable, red-brown | CL | |
| | | 0.5 | SILTY CLAY, moist, stiff, dark red-brown | CH | |
| | | 1.0 | SILTY CLAY, moist, stiff, grey-brown | CH | |
| | | 1.5 | CLAY, grey. Calcareous nodules. | CH | |
| | | 2.0 | SILTY CLAY, sandy, gravelly, moist, stiff, grey. | CH or GC | |
| | | 2.5 | pockets of sand throughout, gtr sand appearing occasionally layered, gravel mix of gtr, brown, 'boulders' | GC | |
| | | 3.0 | Basalt rubble - Basalt | | |
| | | 3.5 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Logged | P. Dahlman | Notes | | | |
| Date | 7.5.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 | of | 1 |
| | | | | | Drawing no. MCP 9 |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT No. DJERIWAHRN 154 |
|--|--------------------|--|---|-----------------|-----------------------------------|
| PROJECT Proposed Cemetery at Mellon, Vic. | | | LOCATION R.L. GROUND 165.80 | | SD 291074.0 AMG. REF. 282736.0 |
| EQUIPMENT TYPE AND MODEL Case 580 C 600 mm Bucket. | | | | | |
| EXCAVATION DIMENSIONS 3.5 m LONG 0.65 m WIDE | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | GRAPHIC LOG. | | WATER |
| | | | Top | Bottom | |
| DIG | CH | 0.5 | SILTY CLAY, moist, stiff, dark grey | | |
| C | CH | 0.5 | SILTY CLAY, moist, stiff mottled yellow-brown & grey | | |
| K | CH | 1.0 | SILTY CLAY, moist, stiff, bright yellow-brown | | |
| H | CH | 1.5 | CLAY, moist, stiff, fissured, grey | | |
| H | CH | 2.0 | | | |
| O | CH | 2.5 | | | |
| E | CH | 3.0 | | | |
| | | 3.5 | | | |
| | | | | | |
| Logged | P. Dahlman | Notes Extremely easy to excavate. Smooth-sided pit. Soil horizons form an obvious cutaway boundary. | | | |
| Date | 7.5.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. 1 of 1 | | Drawing no. M25 | |

DEPARTMENT OF MINERALS AND ENERGY

EXCAVATION LOG

HIT NO. D175111175

PROJECT Imperial Cemetery at Nelson V.L. H.L. GROUND 169.98

LOCATION 58°50'01.7
AMG. REF. 232879.3

EQUIPMENT TYPE AND MODEL

EXCAVATION DIMENSIONS

m LONG

m WIDE

| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | NOTES | GRAPHIC LOG. | WATER | |
|--------|--------------------|---------|---|-------|--------------|-------|---------|
| | | | | | | 0-0.2 | 0.2-0.4 |
| | | 0.2 | CLAY, silty moist, friable, stiff. Fissured brown. Many tree roots. | | | | |
| | | 0.4 | | | | | |
| | | 0.6 | CLAY, clayey fine sandstone material throughout. | | | | |
| | | 0.8 | CLAY, slightly sandy. | | | | |
| | | 1.0 | moist, stiff, yellow brown. | | | | |
| | | 1.2 | becomes mottled yellow-brown and grey around 1.3m. | | | | |
| | | 1.4 | | | | | |
| | | 1.6 | | | | | |
| | | 1.8 | | | | | |

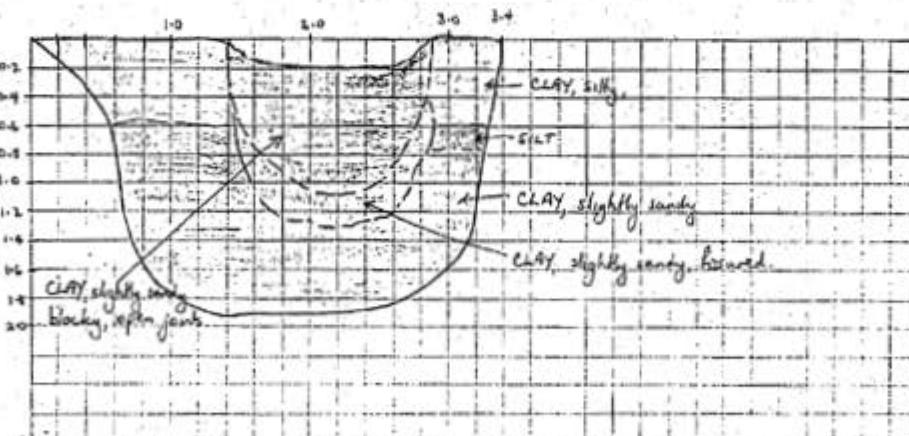
Material in Subsided portion.

CLAY, slightly sandy.

dry to moist, blocky brown.

open jointed, some 20mm wide, many tree roots.

CLAY, slightly sandy. Fissured, moist, stiff yellow-brown, very open textured. Some thin rootlets visible.



| | | |
|----------|------------|-------|
| Logged | P. Dahlman | Notes |
| Date | 10-5-84 | |
| Checked | | |
| Approved | | |

Scale 1:20 Sign No. 1

86

86

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG | | PIT NO. DJERRIWAHR 177 |
|---|--------------------|----------------------|---|----------------------|---|
| PROJECT Imperial Cemetery at Marion Vic. | | | LOCATION R.L. GROUND 169.48 | | ES-1118-3 AMG. REF. 24-27-5 |
| EQUIPMENT TYPE AND MODEL | | | | | |
| EXCAVATION DIMENSIONS | | | m LONG | m WIDE | |
| METHOD | BASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | TYPE | COHESION | |
| B A C K K R E M E | 0.2 | 0.2 | ROCK 28.00-27.00m | 100- 100- 100- | Material in Subsided section. CLAY, silty, sandy. dry, blocky, open-jointed peds. dark yellow-brown. some organic material. |
| | | 0.4 | SILTY CLAY, sandy, gravelly, moist, very stiff, friable, fissured yellow-brown. | 100- 100- 100- | |
| | | 0.6 | CLAY, silty, moist, stiff, yellow-brown. | 100- 100- 100- | |
| | | 0.8 | CLAY, silty, moist, stiff, | 100- 100- 100- | |
| | | 1.0 | moistened yellow-brown & grey, slightly sandy. | 100- 100- 100- | |
| | | 1.2 | | 100- 100- 100- | |
| | | 1.4 | | 100- 100- 100- | |
| | | 1.6 | | 100- 100- 100- | |
| 1.8 | | 100- 100- 100- | | | |

GRAPHIC LOG.

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG | | PIT NO DSERRWARRN 175 |
|--|---|-------|----------------|--------|------------------------------------|
| PROJECT 1 Imperial Cemetery at Melton Vn. R.L. GROUND 168.95 | | | LOCATION | | #324116.0 AMG. REF. 282831.3 |
| EQUIPMENT TYPE AND MODEL | | | | | |
| EXCAVATION DIMENSIONS | | | m LONG | m WIDE | |
| DEPTH | EASE OF EXCAVATION | DEPTH | GRAPHIC LOG | WATER | |
| 0.0 | | 0.0 | | | |
| 0.5 | CLAYEY SILT, sandy. Relaxed in parts moist friable dark grey. Depth varies. | 0.5 | | | |
| 1.0 | CLAY, silty. moist, stiff, fissured greenish-brown. | 1.0 | | | |
| 1.5 | slightly sandy | 1.5 | | | |
| 2.0 | SANDY CLAY, moist, very stiff, mottled brick-red and grey. | 2.0 | | | |
| 2.5 | | 2.5 | | | |
| 3.0 | | 3.0 | | | |
| 3.5 | | 3.5 | | | |
| 4.0 | | 4.0 | | | |
| 4.5 | | 4.5 | | | |
| 5.0 | | 5.0 | | | |
| 5.5 | | 5.5 | | | |
| 6.0 | | 6.0 | | | |
| 6.5 | | 6.5 | | | |
| 7.0 | | 7.0 | | | |
| | | | | | |
| Logged | P. Dahlmann | Notes | | | |
| Date | 10.5.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Printed at 1:50 | 1:50 | 1:50 | 1:50 | 1:50 | Subs. No. 4 |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT No. DJERRIWAIRH 179 |
|---|--|-----------|---|-------------------|---|
| PROJECT Proposed Cemetery at Melton. | | | LOCATION R.L. GROUND 173.48 | | 5830203.2 AMG. REF. 283421.7 |
| EQUIPMENT TYPE AND MODEL Case 580C; 600 mm Bucket | | | | | |
| EXCAVATION DIMENSIONS 4.0 m LONG 0.65 m WIDE | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER LEVEL m AHD |
| | | | Type | Plasticity Number | |
| ROCK DESCRIPTION | TYPE | DEPTH m | GRAPHIC LOG. | | WATER LEVEL m AHD |
| | | | Type | Plasticity Number | |
| BACK HOE | Difficult Excavation due to 'floaters' | 0.5 | CL | - | One Basalt 'Floater' (400mm x 300mm) excavated. |
| | | 1.0 | CH | - | |
| | | 1.5 | - | - | |
| | | 2.0 | - | - | |
| | | 2.5 | - | - | |
| | | 3.0 | - | - | |
| | | 3.5 | - | - | |
| <p>0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 m</p> <p>0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 m</p> <p>SILTY CLAY - yellow brown</p> <p>Basalt</p> <p>CLAY silty grey-brown</p> <p>Basalt</p> | | | | | |
| Logged Peter Dahlmans | | | Notes Not Suitable for Burial because of Basalt 'Floater' | | |
| Date | 12-7-'84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 | of | Drawing no. MCPL-1 |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT No. DJERRIWARAH 150 |
|--|--------------------|-------------------------|---|--------------|--|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 171.67 | | 582-1955-1 AMG. REF. 233320-9 |
| EQUIPMENT TYPE AND MODEL Case 560 C; 600 mm Bucket | | | | | |
| EXCAVATION DIMENSIONS 4.2 m LONG 0.65 m WIDE | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOL DESCRIPTION | GRAPHIC LOG. | WATER |
| | | | TYPE, MOISTURE, PARCEL, CHARACTERISTICS, COLOUR, ACCESSORY MATERIAL | | |
| DRAKKING | DRAKKING | 0.0 | SOIL DESCRIPTION | | WATER |
| | | | TYPE, TEXTURE, COLOUR, PRINCIPAL STRUCTURE, MINOR COMPONENTS | | |
| | | 0.0 | SALTY CLAY, moist, friable, dark grey. | 0.0 | |
| | | 1.0 | SALTY CLAY, moist, stiff, red-brown. | 1.0 | |
| | | 2.0 | GRAVELLY clay, sandy moist, stiff, fissured, grey calcareous nodules at 0.7m | 2.0 | gravel is mostly "ironstone" (not solid Fe) varieties. Some quartz. Sand is a mixture & 'bullock' and quartz. some fine quartz along fissures. |
| | | 3.0 | | 3.0 | |
| | | 4.0 | End of Excavation. | 4.0 | |
| | | | | | |
| Logged | Peter Dahlman | Notes | | | |
| Date | 12-7-84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 | of | 1 |
| | | Drawing no. MEC PS - 2. | | | |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DISTERKLOOF 181 |
|--|--------------------|-----------|-----------------------------|--|--|
| PROJECT Proposed Cemetery at Nekken. | | | LOCATION R.L. GROUND 169.52 | | SD2-1773-6 AMG. REF. 235344-7 |
| EQUIPMENT TYPE AND MODEL Case 580C : 600 mm Bucket | | | | | |
| EXCAVATION DIMENSIONS 4 m LONG 0.63 m WIDE | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH | SOIL DESCRIPTION | | WATER |
| | | | TYPE | CHARACTERISTICS | |
| ROCK DESCRIPTION | | | TYPE | CHARACTERISTICS | WATER |
| BACKHOE | POOR | 0.0 | SILTY CLAY | dry, sticky, dark brown | 0.0 |
| | | 1.0 | GRAVELLY CLAY | moist, stiff, fissured, grey, some 'bullock' sand. | 0.0 - 0.6 |
| | | 2.0 | GRAVELLY CLAY | moist, stiff, fissured, mottled yellow-brown & grey, some 'bullock' and quartz gravel, some roots and remnant roots, some sand lenses. | 0.0 - 0.6 0.6 - 1.0 1.0 - 1.6 1.6 - 2.0 |
| | | 3.0 | CLAY, sandy. | | 0.0 - 0.6 0.6 - 1.0 1.0 - 1.6 1.6 - 2.0 |
| | | | End of Excavation. | | |
| <p>0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 m</p> <p>0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 m</p> <p>0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 m</p> | | | | | |
| Logged | Peter Dabbs | Notes | | | |
| Date | 12. 7. '84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 of 1 | Drawing no. | M.C. 1-2 |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG | | PIT No. DJERRIWAIRRI 182 |
|---|--------------------|--|---|----------------------|--|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 169.44 | | 53-47759.7 AMG. REF. 253531.7 |
| EQUIPMENT TYPE AND MODEL Case 580C; 600mm Bucket. | | | | | |
| EXCAVATION DIMENSIONS 5 m LONG 0.65m WIDE | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | FINE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ALLOCHTHONOUS MATERIAL | SOIL STRENGTH | |
| MATERIALS | EASE OF EXCAVATION | DEPTH m | ROCK DESCRIPTION | | WATER |
| | | | FINE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS | SOIL STRENGTH | |
| | | 0.5 | SILTY CLAY, moist, stiff, red-brown. | | |
| | | 1.0 | CLAY, silty, moist, stiff, mottled yellow-brown & grey. occasional 'bullock'. | CH | - calcareous nodules in part of the excavation, just above the Basalt 'floaters' |
| | | 1.5 | | | |
| | | 2.0 | Basalt floaters too large to excavate. | | |
| | | 2.5 | Part refusal on Basalt. | | |
| | | 3.0 | | | |
| | | | | | |
| Logged | Peter Dahlman | Notes Not suitable for Cemetery purposes because of Basalt 'floaters' too large to excavate. | | | |
| Date | 12-7-'84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 of 1 | Drawing no. MCPS - 2 | |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT No. DTERRIWARA 183 |
|--|--------------------|---------------------|--------------------------------|----------------------------|--------------------------------|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 165.91 | | AMG. REF. 53-450-6 233479-4 |
| EQUIPMENT TYPE AND MODEL Case 580C; 600mm Bucket | | | | | |
| EXCAVATION DIMENSIONS 3 m LONG 0.65 m WIDE | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER FLOOD LOAD |
| | | | FINE PLASTICITY VALUE | CHARACTERISTICS COLOUR | |
| ROCK DESCRIPTION | TYPE TESTIM COLOUR | PRIMARY STRUCTURE | HARD COMPONENTS | WATER FLOOD LOAD | |
| | | | | | SOIL |
| SILTY CLAY, moist, friable, dark red brown | | 0.5 | | - yellow brown in patches. | |
| CLAY, silty moist, stiff, fissured grey some root remnants. | CH | 1.0 | | | |
| Backhoe refusal - Basalt. | | 1.5 | | | |
| | | 2.0 | | | |
| | | 2.5 | | | |
| | | | | | |
| Logged | Peter Dahlman | Notes | | | |
| Date | 12.7.'84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:100 | Sheet no. | 1 | of | 1 |
| | | Drawing no. 18/PS-5 | | | |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT No. DJERRIWAIRKA 154 | | |
|--|--------------------|-----------|---|--------------------|---------------------------------|------|---------------|
| PROJECT Proposed Cemetery at Mellon, Vic. | | | LOCATION R.L. GROUND 172.00 | | 5924480-9 AMG. REF. 283625-1 | | |
| EQUIPMENT TYPE AND MODEL Case 580C; 600 Bucket | | | | | | | |
| EXCAVATION DIMENSIONS 7 m LONG 0.5 m WIDE | | | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER | | |
| | | | Type, Plasticity, Particle Characteristics, Colour | Accessory Material | | NAME | R.L. (metres) |
| BACKHOE | B | 0.5 | CLAY, Silty, dry, bluish, brown | C11 | | | |
| | | 0.5 | SILTY CLAY, moist, friable, red-brown | | | | |
| | | 1.0 | SILTY CLAY, gravelly, moist, firm, grey, distinct flakier at 0.7m | | | | |
| | | 1.5 | GRAVELLY CLAY, sandy, moist, firm, grey | 6C | | | |
| | | 2.0 | becomes mollified with yellow-brown occasional charcoal pieces. | | | | |
| | | 2.5 | | | | | |
| | | 3.0 | | | | | |
| | | 3.5 | End of excavation. | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Logged | Peter Dahlhaus | Notes | | | | | |
| Date | 12. 7. 84 | | | | | | |
| Checked | | | | | | | |
| Approved | | | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 | of | 1 | | |
| | | | | | Drawing no. RC.P5 - 1 | | |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT No. D TERRIWARAH 185 | |
|---|------------------|--------------------|------------------------------|---|--------------------------------|---------------------|
| PROJECT Proposed Cemetery at Melton Vic. | | | LOCATION R.L. GROUND 166.745 | | AMG. REF. 549536-2 183163-9 | |
| EQUIPMENT TYPE AND MODEL Case 360 C; 600mm Bucket | | | | | | |
| EXCAVATION DIMENSIONS 3.5 m LONG 0.65 m WIDE | | | | | | |
| BACKFILL | METHOD | EASE OF EXCAVATION | DEPTH m | SOC. DESCRIPTION | GRAPHIC LOG. | WATER |
| | | | | FINE, PLASTICITY, FRIABILITY, CHARACTERISTICS, OTHER, ACCESSORY MATERIALS | | |
| CLAY | CH | CL | 0.0 | SILTY CLAY, dry, brittle, friable, brown. | | |
| | | | 0.5 | CLAY, silty, moist, firm, greyish brown. | | |
| | | | 1.0 | SILTY CLAY, moist, firm, friable, yellow-brown. | | |
| | | | 1.5 | CLAY, sandy, moist, firm, fissured. | | |
| | | | 2.0 | mottled yellow-brown and grey. | | |
| | | | 2.5 | rare root remnant. | | |
| | | | 3.0 | Very uniform consistency; extremely easy to excavate. | | |
| | | | 3.5 | End of excavation. | | |
| | | | | | | |
| Logged | Peter Dahlhausen | Notes | | | | |
| Date | 12.7.84 | | | | | |
| Checked | | | | | | |
| Approved | | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 | of | 1 | Drawing no. 77-75-7 |

| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT No. DJERRIWAH 180 | |
|--|--------------------|--|-----------------------------|--------------|--------------------------------|-----------------|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 173.46 | | 583074-1 AMG. REF. 283829.8 | |
| EQUIPMENT TYPE AND MODEL Case 550C; 600-mm Bucket. | | | | | | |
| EXCAVATION DIMENSIONS 3.5 m LONG 0.65 m WIDE | | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER | |
| | | | Type | Plasticity | | Characteristics |
| BACKHOE | 0.5 | SILTY CLAY, moist, friable. Red-brown. | CL | GRAPHIC LOG. | SAND WATER POINT LOAD | |
| | | CALCAREOUS NODULES, soft, white and CLAY, grey-brown, matrix. | CL | | | |
| | | BASALT, H.W. cobbles, loosely packed. and CLAY, moist, stiff, grey. some calcareous sand. | E.W. Rock | | | |
| | | Buckhoe refusal - Basalt. | | | | |
| | | | 0.5 | | | |
| | | | 1.0 | | | |
| | | | 1.5 | | | |
| | 2.0 | | | | | |
| | 2.5 | | | | | |
| | 3.0 | | | | | |
| | 3.5 | | | | | |
| | | | | | | |
| Logged | Peter Duthie | Notes Rough sided hole. Basalt cobbles tend to be plucked out rather than broken out. | | | | |
| Date | 12-7-'59 | | | | | |
| Checked | | | | | | |
| Approved | | | | | | |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT No. DSEKINWARRE 187 | | |
|--|----------------|--------------------|--|--|---------------------------------|--------------|--------------|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 165.73 | | 5829413-7 AMG. REF. 298304-4 | | |
| EQUIPMENT TYPE AND MODEL Case 56NC; 600mm bucket | | | EXCAVATION DIMENSIONS 3.3 m LONG 0.65 m WIDE | | | | |
| CUTTING EDGE | METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | WATER | | |
| | | | | Type, Plasticity, Paraffin, Characteristics, Colour, Accessory Material | | SOIL TESTS | GRAPHIC LOG. |
| CHISEL | CHISEL | EASE OF EXCAVATION | 0.0 | SILTY CLAY, dry, blocky, dark grey. | CL | GRAPHIC LOG. | TESTS |
| | | | 0.5 | SILTY CLAY, moist, friable, yellow-brown, slightly sandy. | CL | | |
| | | | 1.0 | CLAY, silty, moist, stiff, grey, occasional fissure. | CL | | |
| | | | 1.5 | CLAY, silty, moist, stiff, mottled yellow-brown and grey, occasional fissure, some filled with fine quartz sand. | CL | | |
| | | | 2.0 | CLAY, silty, moist, stiff, mottled yellow-brown and grey, occasional fissure, some filled with fine quartz sand. | CL | | |
| | | | 2.5 | CLAY, silty, moist, stiff, mottled yellow-brown and grey, occasional fissure, some filled with fine quartz sand. | CL | | |
| | | | 3.0 | End of excavation. | CL | | |
| | | | 3.5 | | CL | | |
| | | | 4.0 | | CL | | |
| | | | 4.5 | | CL | | |
| | | | | SILTY CLAY | | | |
| | | | | CLAY | | | |
| Logged | Peter Dahlgren | Notes | | | | | |
| Date | 12.7.'84 | | | | | | |
| Checked | | | | | | | |
| Approved | | | | | | | |
| Vertical Scale | 1:50 | Sheet no. | of | Drawing no. 56187-7 | | | |

97

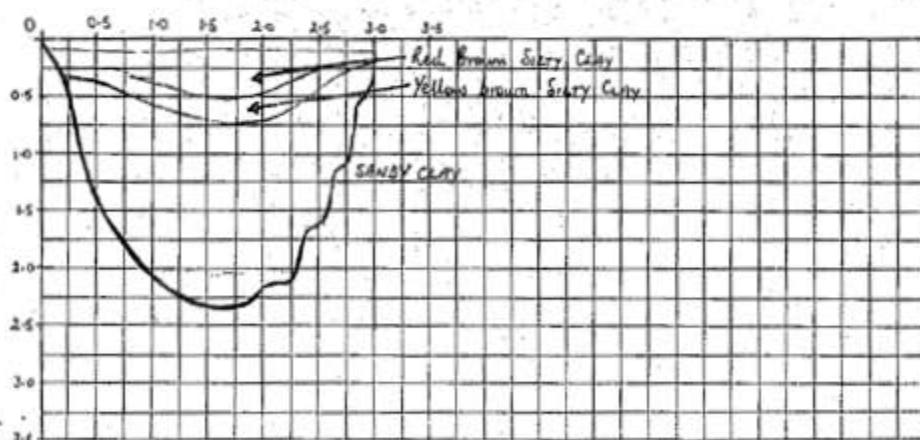
| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DJERRIWARRH 158 |
|---|--|-----------|---|--------------------|--|
| PROJECT Proposed Cemetery at Melton, Vic. | | | LOCATION R.L. GROUND 163.26 | | 5849201-4 AMG. REF. 293402-3 |
| EQUIPMENT TYPE AND MODEL Case 580C; 600 mm Bucket | | | EXCAVATION DIMENSIONS 3.5 m LONG 0.65 m WIDE | | |
| EXCAVATION DIMENSIONS | | | | | |
| METHOD | SOIL DESCRIPTION TYPE, MOISTURE, FRIABILITY CHARACTERISTIC COLOUR ACCESORY MATERIAL | DEPTH, m | LOG | | WATER + WETTED WATER LINE + SURFACE POINT LINE |
| | | | SOIL | WATER | |
| DIGGER | SOIL DESCRIPTION TYPE, MOISTURE, FRIABILITY CHARACTERISTIC COLOUR ACCESORY MATERIAL | 0.5 | CLAYEY SILT, dry, friable brown SILTY CLAY, moist, friable, pale grey root casts and root fragments | FL | WATER + WETTED WATER LINE + SURFACE POINT LINE |
| | | 1.0 | SILTY CLAY, moist, friable, yellow-brown some root casts. | CL | |
| | | 1.5 | CLAY, moist, stiff grey | CH | |
| | | 2.0 | CLAY, moist, stiff, fissured, mottled yellow-brown & grey | CH | |
| | | 2.5 | some sand filled fissures some roots. | CH | |
| | | 3.0 | end of excavation | CH | |
| | | 3.5 | | CH | |
| | | | | | |
| Logged | Peter Dohmann | Notes | | | |
| Date | 12.7.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | 1 of 1 | Drawing no. MGP-10 | |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG | | PIT NO. DJERRIWAHRRI 189 |
|---|--------------------|---------|---|----------------------|------------------------------------|
| PROJECT Proposed Cemetery at Mellan. N.E. | | | LOCATION R.L. GROUND 166.78 | | 5829547-1 AMG. REF. 183602.9 |
| EQUIPMENT TYPE AND MODEL Case 580 C; 600 mm Bucket. | | | EXCAVATION DIMENSIONS 3.5 m LONG 0.65 m WIDE | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOC. DESCRIPTION | GRAPHIC LOG | WATER |
| | | | TYPE, PLASTICITY, PARTICLES CHARACTERISTIC COLOR ADDITIONAL NOTING | | |
| | | | ROCK DESCRIPTION | ROCK WEIGHT TESTS | |
| | | | TYPE, HARDNESS, COLOR PRIMARY MINERALS MINOR COMPONENTS | ROCK WEIGHT TESTS | |
| SOIL TESTS | EASE OF EXCAVATION | 0-0.5 | SILT, clayey, dry, friable, brown. Silty clay, moist, friable red-brown. Some carbonaceous nodules at 0.3m. | CL | |
| | | 0.5-1.0 | CLAY, moist, stiff, fissured, grey. | CH | |
| | | 1.0-1.5 | moist, stiff, abundant fissures, mottled yellow-brown and grey. | | |
| | | 1.5-2.0 | rare brownish cobbles. Fissures often stained black. | | |
| | | 2.0-2.5 | | | |
| | | 2.5-3.0 | | | |
| | | 3.0-3.5 | End of excavation. | | |
| | | 3.5 | | | |
| | | | | | |

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| DEPARTMENT OF MINERALS AND ENERGY | | | EXCAVATION LOG. | | PIT NO. DCEC/1988/140 |
|--|--------------------|--------------------|-----------------------------|-------------|------------------------------------|
| PROJECT Proposed Cemetery at Melton | | | LOCATION R.L. GROUND 174.05 | | 5830187-0 AMG. REF. 293724-6 |
| EQUIPMENT TYPE AND MODEL Case 550 C; 600 mm Bucket | | | 3 m LONG 0.85 m WIDE | | |
| EXCAVATION DIMENSIONS | | | | | |
| METHOD | EASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION | | WATER |
| | | | TYPE | TEXTURE | |
| ROCK DESCRIPTION | TYPE | DEPTH m | GRAPHIC LOG. | | TEST NUMBER |
| | | | TEST NUMBER | TEST NUMBER | |
| SOIL | CH | 0.0 - 0.5 | | | |
| SALTY CLAY | CH | 0.5 - 1.0 | | | |
| as above, bright yellow-brown | SC | 1.0 - 1.5 | | | |
| SANDY CLAY | SC | 1.5 - 2.0 | | | |
| grey, some gravel, some | CL | 2.0 - 2.5 | | | |
| bottoms are sand filled | CL | 2.5 - 3.0 | | | |
| CALY, sandy, moist, stiff, fissured, | CL | 3.0 - 3.5 | | | |
| mottled yellow-brown & grey. | | End of excavation. | | | |
| <p>catenary profile:</p> <p>gravel is a mixture of ironstone and quartz.</p> | | | | | |
| Logged | Peter Dahlhaus | Notes | | | |
| Date | 12.7.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale: 0.5 m | | | Sheet no. | of | Drawing no. V.CPS-12 |



| DEPARTMENT OF MINERALS AND ENERGY | | EXCAVATION LOG. | | PIT No. DJERRIWAREA 191 | |
|---|--------------------|---|---|---|------------|
| PROJECT Proposed Cemetery at Melton Sh. | | LOCATION R.L. GROUND 173.0 8 | | 58 30 041.2 AMG. REF. 2.8 35.28.4 | |
| EQUIPMENT TYPE AND MODEL Case 520 C; 600mm Bucket | | | | | |
| EXCAVATION DIMENSIONS 3.5 m LONG 0.65m WIDE | | | | | |
| METHOD | BASE OF EXCAVATION | DEPTH m | SOIL DESCRIPTION TYPE, PLASTICITY, PARTICLE CHARACTERISTICS, COLOUR ACCESSORY MATERIAL | GRAPHIC LOG. | |
| | | | | WATER | POINT LOAD |
| SHOVEL | 0.5 | SILTY CLAY, dry, blotty, brown SILTY CLAY, moist, friable, red-brown | CL | Calcareous nodules, soft, white, sandy Basalt 'Heater' in side of excavation... around 1.5 m. | |
| SHOVEL | 1.0 | CLAY, silty, moist, stiff, fissured, grey, some root remnants. | | | |
| SHOVEL | 1.5 | CLAY, silty, moist, stiff, fissured, mottled yellow brown & grey | | | |
| SHOVEL | 2.0 | Backhoe Refusal - Basalt | | | |
| SHOVEL | 2.5 | | | | |
| SHOVEL | 3.0 | | | | |
| SHOVEL | 3.5 | | | | |
| | | | | | |
| Logged | Peter Dahlman | Notes | | | |
| Date | 12.7.84 | | | | |
| Checked | | | | | |
| Approved | | | | | |
| Vertical Scale | 1:50 | Sheet no. | of | Drawing no. | 16/PS-12 |

U.R. 1984/77

For Figure 4

SEE

35mm Jacket