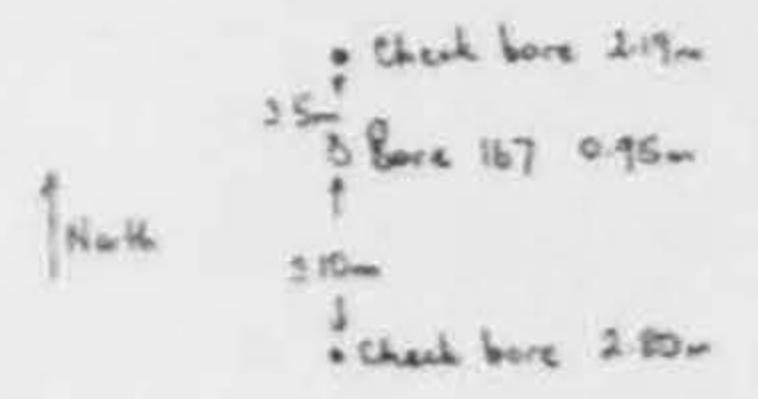


Geological Log of Drill Hole  
 HOLE NO. **DJERRIWARAH 167**  
 AND REF. **5829072 0**  
**283340.8**

DEPTH (m)	ROCK MASS DEFECTS	ROCK MASS DEFECTS	ROCK MASS DEFECTS
0.0			
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9.9			
10.0			

Depth checked with 'Minuteman' drill



Date: 20/11/77  
 Driller: J. F. ...  
 Recorder: P. ...  
 Scale: 1:100  
 Project: MC 35 (5a) 33 54 55

DEPARTMENT OF MINERALS AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. DSEKAWARAH 168	
LOCATION Proposed Cemetery at Melton Vic		AND REF 5829363 0		283396 0	
ELEVATION 164.70					
DEPTH (M)	SOIL DESCRIPTION TYPE, GRAIN SIZE, PARTICLE CHARACTERISTICS, COLOR, ALTERNATE MATERIAL	SOIL ADDITIONAL OBSERVATIONS SPECIAL TEST RESULTS	DEPTH (M)	ROCK MASS DEFECTS TYPE, ORIENTATION, FREQUENCY, DIMENSIONS, DISTRIBUTION	DEPTH (M)
0.1	dark clayey moist brown brown		0.1		
0.2	very clayey sandy moist yellow dark brown		0.2		
0.3	clayey sandy silty moist stiff pale yellow brown	Liquid limit 20 Plastic limit 12 Plasticity index 8	0.3	Linear Shrinkage 6 Free Swell 120 S.G. 2.51 % Sand 49 % Silt 26 % Clay 25	
0.4			0.4		
0.5			0.5		
0.6			0.6		
0.7	clayey sandy silty moist stiff pale brown grey		0.7		
0.8			0.8		
0.9			0.9		
1.0			1.0		
1.1	clayey sandy silty moist to wet firm mottled yellow brown and grey		1.1		
1.2			1.2		
1.3			1.3		
1.4			1.4		
1.5			1.5		
1.6			1.6		
1.7			1.7		
1.8			1.8		
1.9			1.9		
2.0			2.0		
2.1			2.1		
2.2			2.2		
2.3			2.3		
2.4			2.4		
2.5			2.5		
2.6			2.6		
2.7			2.7		
2.8			2.8		
2.9			2.9		
3.0			3.0		
3.1			3.1		
3.2			3.2		
3.3			3.3		
3.4			3.4		
3.5			3.5		
3.6			3.6		
3.7			3.7		
3.8			3.8		
3.9			3.9		
4.0			4.0		
4.1			4.1		
4.2			4.2		
4.3			4.3		
4.4			4.4		
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4.9			4.9		
5.0			5.0		
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6.0			6.0		
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6.7			6.7		
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6.9			6.9		
7.0			7.0		
7.1			7.1		
7.2			7.2		
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7.4			7.4		
7.5			7.5		
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7.9			7.9		
8.0			8.0		
8.1			8.1		
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9.0			9.0		
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10.0			10.0		
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11.0			11.0		
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13.9			13.9		
14.0			14.0		
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14.8			14.8		
14.9			14.9		
15.0			15.0		
15.1			15.1		
15.2			15.2		
15.3			15.3		
15.4			15.4		
15.5			15.5		
15.6			15.6		
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15.8			15.8		
15.9			15.9		
16.0			16.0		
16.1			16.1		
16.2			16.2		
16.3			16.3		
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16.9			16.9		
17.0			17.0		
17.1			17.1		
17.2			17.2		
17.3			17.3		
17.4			17.4		
17.5			17.5		
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17.8			17.8		
17.9			17.9		
18.0			18.0		
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18.9			18.9		
19.0			19.0		
19.1			19.1		
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19.4			19.4		
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19.9			19.9		
20.0			20.0		
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20.9			20.9		
21.0			21.0		
21.1			21.1		
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22.0			22.0		
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22.9			22.9		
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24.9			24.9		
25.0			25.0		
25.1			25.1		
25.2			25.2		
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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 MINERALS AND ENERGY  
 GEOLOGICAL LOG OF DRILL HOLE  
 HOLE No. DTERKWIIRH 168  
 AND REF. 5829363.0  
283346.0

DEPTH (M)	ROCK DESCRIPTION TYPE, GRAIN SIZE, COLOR, WEATHERING, etc.	GEOLOGICAL LOG	SOIL ADDITIONAL OBSERVATIONS SPECIAL TEST RESULTS
	ROCK MASS DEFECTS TYPE, LOCATION, EXTENT, etc.		
0.0			
0.1			
0.2			
0.3			
0.4			
0.5			
0.6			
0.7			
0.8			
0.9			
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Notes:  
 1. CH  
 2. Major mineral - H.W. Basalt  
 3. 9.2.84  
 4. MC 4/55 31.04.76



DEPARTMENT OF MINERALS AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. <b>DJEERUWARRH 170</b>
LOCATION <b>Proposed Cemetery at Milton Va</b>		HOLE NO. <b>5829654.7</b>		
H.L. GROUND <b>163.07</b>		HOLE NO. <b>283522.5</b>		
DEPTH M.	SOIL DESCRIPTION TYPE, COLOR, GRAIN MOISTURE, PLASTICITY AND COMMENTS	SOIL ADDITIONAL OBSERVATIONS SPECIAL TEST RESULTS	ROCK MASS DEFECTS TYPE, ORIENTATION, FREQUENCY, SIGNIFICANCE EXTENT/DEPTH	
0.0	SOIL TYPE moist fine brown			
0.1	CLAY silty			
0.2	moist stiff			
0.3	no brown			
0.4	occasional 'backbit' particulate			
0.5				
0.6	Calcareous sand			
0.7	white, dry fracture			
0.8	CLAY gravelly			
0.9	moist stiff			
1.0	grey brown			
1.1	small gravel			
1.2	SANDY CLAY			
1.3	moist stiff			
1.4	grey brown			
1.5	sand in a matrix			
1.6	of fine 'backbit' and medium sized quartz			
1.7	some gravel			
1.8				
1.9				
2.0				
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DEPARTMENT OF MINERALS AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. <u>DERRAWAREH 171</u>
LOCATION <u>Proposed Cemetery at Malton St.</u>		HOLE NO. <u>170-52</u>		AND REF. <u>5829835-3</u> <u>283544-8</u>
DEPTH	SOIL DESCRIPTION TYPE, PLASTICITY, MOISTURE CHARACTERISTICS, COLOR, EXCESSIVE MATERIAL	GRAPHIC LOG	SOIL ADDITIONAL OBSERVATIONS SPECIAL TEST RESULTS	
DEPTH	ROCK DESCRIPTION TYPE, STRATUM, COLOR, FRACTURE, STRUCTURE, MAJOR CONSTITUENTS	GRAPHIC LOG	ROCK MASS EFFECTS TYPE, ORIENTATION, FRACTURE, DISCONTINUES, CONTINUES	
0-10	Silty clay moist, stiff dark brown	CL		
10-14	CLAY, silty moist, stiff dark brown	CL		
14-17	Silty, silty moist, stiff mottled yellow-brown and grey	CH		
17-21	CLAY, silty moist, stiff, fissured, mottled yellow-brown and grey	CH		
21-25	Auger refusal			

DEPARTMENT OF MINERALS AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. <u>DERRAWAREH 171</u>
LOCATION <u>Proposed Cemetery at Malton St.</u>		HOLE NO. <u>170-52</u>		AND REF. <u>5829835-3</u> <u>283544-8</u>
DEPTH	SOIL DESCRIPTION TYPE, PLASTICITY, MOISTURE CHARACTERISTICS, COLOR, EXCESSIVE MATERIAL	GRAPHIC LOG	SOIL ADDITIONAL OBSERVATIONS SPECIAL TEST RESULTS	
DEPTH	ROCK DESCRIPTION TYPE, STRATUM, COLOR, FRACTURE, STRUCTURE, MAJOR CONSTITUENTS	GRAPHIC LOG	ROCK MASS EFFECTS TYPE, ORIENTATION, FRACTURE, DISCONTINUES, CONTINUES	
0-21	CLAY, silty moist, stiff, fissured, mottled yellow-brown and grey	CH		
21-25	Auger refusal			

DEPARTMENT OF MINERALS AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. <u>DJERRIWARAH 172</u>	
LOCATION <u>Proposed Cemetery at Milton V.</u>		HOLE NO. <u>172-88</u>		AND REF. <u>5830089.0</u> <u>282571.5</u>	
DEPTH	SOIL DESCRIPTION TYPE, PLASTICITY, PARTICLE COMPOSITION, COLOUR, AGGREGATE MATERIAL	MARKING LOGS	SOIL ADDITIONAL OBSERVATIONS DEFECTS, TEST RESULTS	ROCK MASS DEFECTS TYPE, LOCATION, DIMENSIONS, FREQUENCY, CONTAMINATION	
0.0	CLAY, silty moist stiff dark red-brown	CH			
0.5	CLAY, silty moist stiff pale red brown				
1.0	CLAY, silty moist stiff pale grey brown some calcareous sand at 0.6m				
1.5	CLAY, silty moist stiff brown-grey				
2.0					
2.5					
3.0					
3.5					
4.0					
4.5					
Core 210 Hollow Right auger		50 x 24			

SEPT 81

DEPARTMENT OF MINERALS AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. <u>DJERRIWARAH 172</u>	
LOCATION <u>Proposed Cemetery at Milton V.</u>		HOLE NO. <u>172-88</u>		AND REF. <u>5830089.0</u> <u>282571.5</u>	
DEPTH	SOIL DESCRIPTION TYPE, PLASTICITY, PARTICLE COMPOSITION, COLOUR, AGGREGATE MATERIAL	MARKING LOGS	SOIL ADDITIONAL OBSERVATIONS DEFECTS, TEST RESULTS	ROCK MASS DEFECTS TYPE, LOCATION, DIMENSIONS, FREQUENCY, CONTAMINATION	
2.1	CLAY, silty moist stiff, fissured mottled yellow brown & grey	CH			
2.2					
2.3					
2.4					
2.5					
2.6					
2.7					
2.8					
2.9					
3.0	Layer Reddish Sand				
Core 210 Hollow Right auger		50 x 24			

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DEPARTMENT OF MINERALS AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. <i>DJERIKWARAH 173</i>
LOCATION <i>Proposed Cemetery at Melton S.</i>		AND REF. <i>5830027-4</i>		<i>283723-2</i>
DEPTH M.L.	SOIL DESCRIPTION TYPE, COLOR, GRAIN SIZE, MOISTURE, PLASTICITY, ORGANIC MATTER	SOIL ADDITIONAL OBSERVATIONS SPECIAL TEST RESULTS	ROCK MASS DEFECTS TYPE, LOCATION, DIMENSIONS, NUMBER, DISTRIBUTION	REMARKS
0.0	0.0 - 0.1			AL
0.1	0.1 - 0.2			
0.2	0.2 - 0.3			
0.3	0.3 - 0.4			
0.4	0.4 - 0.5			
0.5	0.5 - 0.6			
0.6	0.6 - 0.7			
0.7	0.7 - 0.8			CH
0.8	0.8 - 0.9			
0.9	0.9 - 1.0			
1.0	1.0 - 1.1			
1.1	1.1 - 1.2			
1.2	1.2 - 1.3			
1.3	1.3 - 1.4			
1.4	1.4 - 1.5			
1.5	1.5 - 1.6			
1.6	1.6 - 1.7			
1.7	1.7 - 1.8			
1.8	1.8 - 1.9			
1.9	1.9 - 2.0			
2.0	2.0 - 2.1			
2.1	2.1 - 2.2			
2.2	2.2 - 2.3			
2.3	2.3 - 2.4			
2.4	2.4 - 2.5			
2.5	2.5 - 2.6			
2.6	2.6 - 2.7			
2.7	2.7 - 2.8			
2.8	2.8 - 2.9			
2.9	2.9 - 3.0			
3.0	3.0 - 3.1			
3.1	3.1 - 3.2			
3.2	3.2 - 3.3			
3.3	3.3 - 3.4			
3.4	3.4 - 3.5			
3.5	3.5 - 3.6			
3.6	3.6 - 3.7			
3.7	3.7 - 3.8			
3.8	3.8 - 3.9			
3.9	3.9 - 4.0			
4.0	4.0 - 4.1			
4.1	4.1 - 4.2			
4.2	4.2 - 4.3			
4.3	4.3 - 4.4			
4.4	4.4 - 4.5			
4.5	4.5 - 4.6			
4.6	4.6 - 4.7			
4.7	4.7 - 4.8			
4.8	4.8 - 4.9			
4.9	4.9 - 5.0			
5.0	5.0 - 5.1			
5.1	5.1 - 5.2			
5.2	5.2 - 5.3			
5.3	5.3 - 5.4			
5.4	5.4 - 5.5			
5.5	5.5 - 5.6			
5.6	5.6 - 5.7			
5.7	5.7 - 5.8			
5.8	5.8 - 5.9			
5.9	5.9 - 6.0			
6.0	6.0 - 6.1			
6.1	6.1 - 6.2			
6.2	6.2 - 6.3			
6.3	6.3 - 6.4			
6.4	6.4 - 6.5			
6.5	6.5 - 6.6			
6.6	6.6 - 6.7			
6.7	6.7 - 6.8			
6.8	6.8 - 6.9			
6.9	6.9 - 7.0			
7.0	7.0 - 7.1			
7.1	7.1 - 7.2			
7.2	7.2 - 7.3			
7.3	7.3 - 7.4			
7.4	7.4 - 7.5			
7.5	7.5 - 7.6			
7.6	7.6 - 7.7			
7.7	7.7 - 7.8			
7.8	7.8 - 7.9			
7.9	7.9 - 8.0			
8.0	8.0 - 8.1			
8.1	8.1 - 8.2			
8.2	8.2 - 8.3			
8.3	8.3 - 8.4			
8.4	8.4 - 8.5			
8.5	8.5 - 8.6			
8.6	8.6 - 8.7			
8.7	8.7 - 8.8			
8.8	8.8 - 8.9			
8.9	8.9 - 9.0			
9.0	9.0 - 9.1			
9.1	9.1 - 9.2			
9.2	9.2 - 9.3			
9.3	9.3 - 9.4			
9.4	9.4 - 9.5			
9.5	9.5 - 9.6			
9.6	9.6 - 9.7			
9.7	9.7 - 9.8			
9.8	9.8 - 9.9			
9.9	9.9 - 10.0			
10.0	10.0 - 10.1			
10.1	10.1 - 10.2			
10.2	10.2 - 10.3			
10.3	10.3 - 10.4			
10.4	10.4 - 10.5			
10.5	10.5 - 10.6			
10.6	10.6 - 10.7			
10.7	10.7 - 10.8			
10.8	10.8 - 10.9			
10.9	10.9 - 11.0			
11.0	11.0 - 11.1			
11.1	11.1 - 11.2			
11.2	11.2 - 11.3			
11.3	11.3 - 11.4			
11.4	11.4 - 11.5			
11.5	11.5 - 11.6			
11.6	11.6 - 11.7			
11.7	11.7 - 11.8			
11.8	11.8 - 11.9			
11.9	11.9 - 12.0			
12.0	12.0 - 12.1			
12.1	12.1 - 12.2			
12.2	12.2 - 12.3			
12.3	12.3 - 12.4			
12.4	12.4 - 12.5			
12.5	12.5 - 12.6			
12.6	12.6 - 12.7			
12.7	12.7 - 12.8			
12.8	12.8 - 12.9			
12.9	12.9 - 13.0			
13.0	13.0 - 13.1			
13.1	13.1 - 13.2			
13.2	13.2 - 13.3			
13.3	13.3 - 13.4			
13.4	13.4 - 13.5			
13.5	13.5 - 13.6			
13.6	13.6 - 13.7			
13.7	13.7 - 13.8			
13.8	13.8 - 13.9			
13.9	13.9 - 14.0			
14.0	14.0 - 14.1			
14.1	14.1 - 14.2			
14.2	14.2 - 14.3			
14.3	14.3 - 14.4			
14.4	14.4 - 14.5			
14.5	14.5 - 14.6			
14.6	14.6 - 14.7			
14.7	14.7 - 14.8			
14.8	14.8 - 14.9			
14.9	14.9 - 15.0			
15.0	15.0 - 15.1			
15.1	15.1 - 15.2			
15.2	15.2 - 15.3			
15.3	15.3 - 15.4			
15.4	15.4 - 15.5			
15.5	15.5 - 15.6			
15.6	15.6 - 15.7			
15.7	15.7 - 15.8			
15.8	15.8 - 15.9			
15.9	15.9 - 16.0			
16.0	16.0 - 16.1			
16.1	16.1 - 16.2			
16.2	16.2 - 16.3			
16.3	16.3 - 16.4			
16.4	16.4 - 16.5			
16.5	16.5 - 16.6			
16.6	16.6 - 16.7			
16.7	16.7 - 16.8			
16.8	16.8 - 16.9			
16.9	16.9 - 17.0			
17.0	17.0 - 17.1			
17.1	17.1 - 17.2			
17.2	17.2 - 17.3			
17.3	17.3 - 17.4			
17.4	17.4 - 17.5			
17.5	17.5 - 17.6			
17.6	17.6 - 17.7			
17.7	17.7 - 17.8			
17.8	17.8 - 17.9			
17.9	17.9 - 18.0			
18.0	18.0 - 18.1			
18.1	18.1 - 18.2			
18.2	18.2 - 18.3			
18.3	18.3 - 18.4			
18.4	18.4 - 18.5			
18.5	18.5 - 18.6			
18.6	18.6 - 18.7			
18.7	18.7 - 18.8			
18.8	18.8 - 18.9			
18.9	18.9 - 19.0			
19.0	19.0 - 19.1			
19.1	19.1 - 19.2			
19.2	19.2 - 19.3			
19.3	19.3 - 19.4			
19.4	19.4 - 19.5			
19.5	19.5 - 19.6			
19.6	19.6 - 19.7			
19.7	19.7 - 19.8			
19.8	19.8 - 19.9			
19.9	19.9 - 20.0			
20.0	20.0 - 20.1			
20.1	20.1 - 20.2			
20.2	20.2 - 20.3			
20.3	20.3 - 20.4			
20.4	20.4 - 20.5			
20.5	20.5 - 20.6			
20.6	20.6 - 20.7			
20.7	20.7 - 20.8			
20.8	20.8 - 20.9			
20.9	20.9 - 21.0			
21.0	21.0 - 21.1			
21.1	21.1 - 21.2			
21.2	21.2 - 21.3			
21.3	21.3 - 21.4			
21.4	21.4 - 21.5			
21.5	21.5 - 21.6			
21.6	21.6 - 21.7			
21.7	21.7 - 21.8			
21.8	21.8 - 21.9			
21.9	21.9 - 22.0			
22.0	22.0 - 22.1			
22.1	22.1 - 22.2			
22.2	22.2 - 22.3			
22.3	22.3 - 22.4			
22.4	22.4 - 22.5			
22.5	22.5 - 22.6			
22.6	22.6 - 22.7			
22.7	22.7 - 22.8			
22.8	22.8 - 22.9			
22.9	22.9 - 23.0			
23.0	23.0 - 23.1			
23.1	23.1 - 23.2			
23.2	23.2 - 23.3			
23.3	23.3 - 23.4			
23.4	23.4 - 23.5			
23.5	23.5 - 23.6			
23.6	23.6 - 23.7			
23.7	23.7 - 23.8			
23.8	23.8 - 23.9			
23.9	23.9 - 24.0			
24.0	24.0 - 24.1			
24.1	24.1 - 24.2			
24.2	24.2 - 24.3			
24.3	24.3 - 24.4			
24.4	24.4 - 24.5			
24.5	24.5 - 24.6			
24.6	24.6 - 24.7			
24.7	24.7 - 24.8			
24.8	24.8 - 24.9			
24.9	24.9 - 25.0			
25.0	25.0 - 25.1			
25.1	25.1 - 25.2			
25.2	25.2 - 25.3			
25.3	25.3 - 25.4			
25.4	25.4 - 25.5			
25.5	25.5 - 25.6			
25.6	25.6 - 25.7			
25.7	25.7 - 25.8			

DEPARTMENT OF MINES AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. <u>DIERRIWARAH 174</u>
<u>Proposed Cemetery at Melburn In.</u>		<u>GROUND 173-4</u>		AMU REF <u>5830004.3</u> <u>234001.0</u>
DEPTH	SOIL DESCRIPTION TYPE, GRAIN SIZE, PARTICLES UNSATURATED, COLOR, ADHESION, etc.	SOIL SYMBOL	GRAPHIC LOG	SOIL ADDITIONAL OBSERVATIONS SPECIAL TEST RESULTS
DEPTH	ROCK DESCRIPTION TYPE, TEXTURE, COLOR, GRAIN SIZE, etc.	ROCK SYMBOL	GRAPHIC LOG	ROCK MASS DEFECTS TYPE, ORIENTATION, THICKNESS, etc.
0-0	Soil dry, friable brown	AL		
0-1	Silty silt	CL		
0-2	moist, friable, dark brown	CH		
0-3				Liquid Limit 55    Linear Shrinkage 22    % Sand 7 Plastic Limit 23    Free Swell 40    % Silt 21 Plasticity Index 32                       2.48    % Clay 69
0-4	SOFT CLAY moist, silty yellow brown	CH		
0-5	CLAY, silty			
0-6	moist, silty grey-brown			
0-7				
0-8	Basalt dark to 4W piece, dense, altered blue-black & red brown	GC		
0-9	CLAY, silty			
0-10	moist, silty grey			
0-11				
0-12	lacustrine sand with soft fossils			
0-13				
0-14				
0-15				
0-16	Large tabular basalt			
0-17				
0-18				
0-19				
0-20				
0-21				
0-22				
0-23				
0-24				
0-25				
0-26				
0-27				
0-28				
0-29				
0-30				
0-31				
0-32				
0-33				
0-34				
0-35				
0-36				
0-37				
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0-40				
0-41				
0-42				
0-43				
0-44				
0-45				
0-46				
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0-61				
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0-63				
0-64				
0-65				
0-66				
0-67				
0-68				
0-69				
0-70				
0-71				
0-72				
0-73				
0-74				
0-75				
0-76				
0-77				
0-78				
0-79				
0-80				
0-81				
0-82				
0-83				
0-84				
0-85				
0-86				
0-87				
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0-99				
100				

APPENDIX 2

Excavation Logs

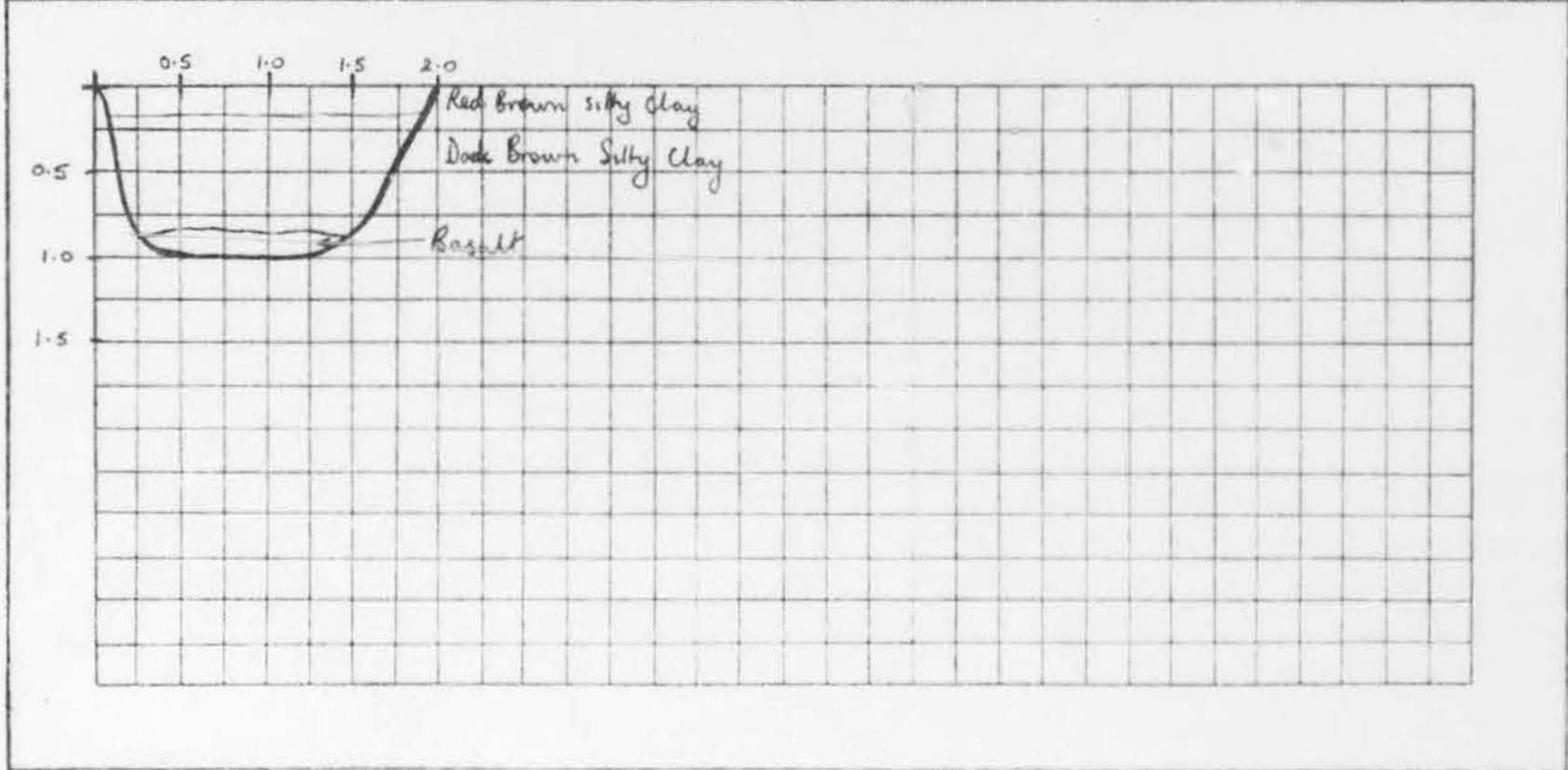
DEPARTMENT OF MINERALS AND ENERGY EXCAVATION LOG. PIT NO. DJERRIWARAH 113

PROJECT Proposed Cemetery at Melton, Vic. LOCATION R.L. GROUND 155.20 AMG. REF. 5825140  
2738440

EQUIPMENT TYPE AND MODEL Case 580 C ; 600mm bucket

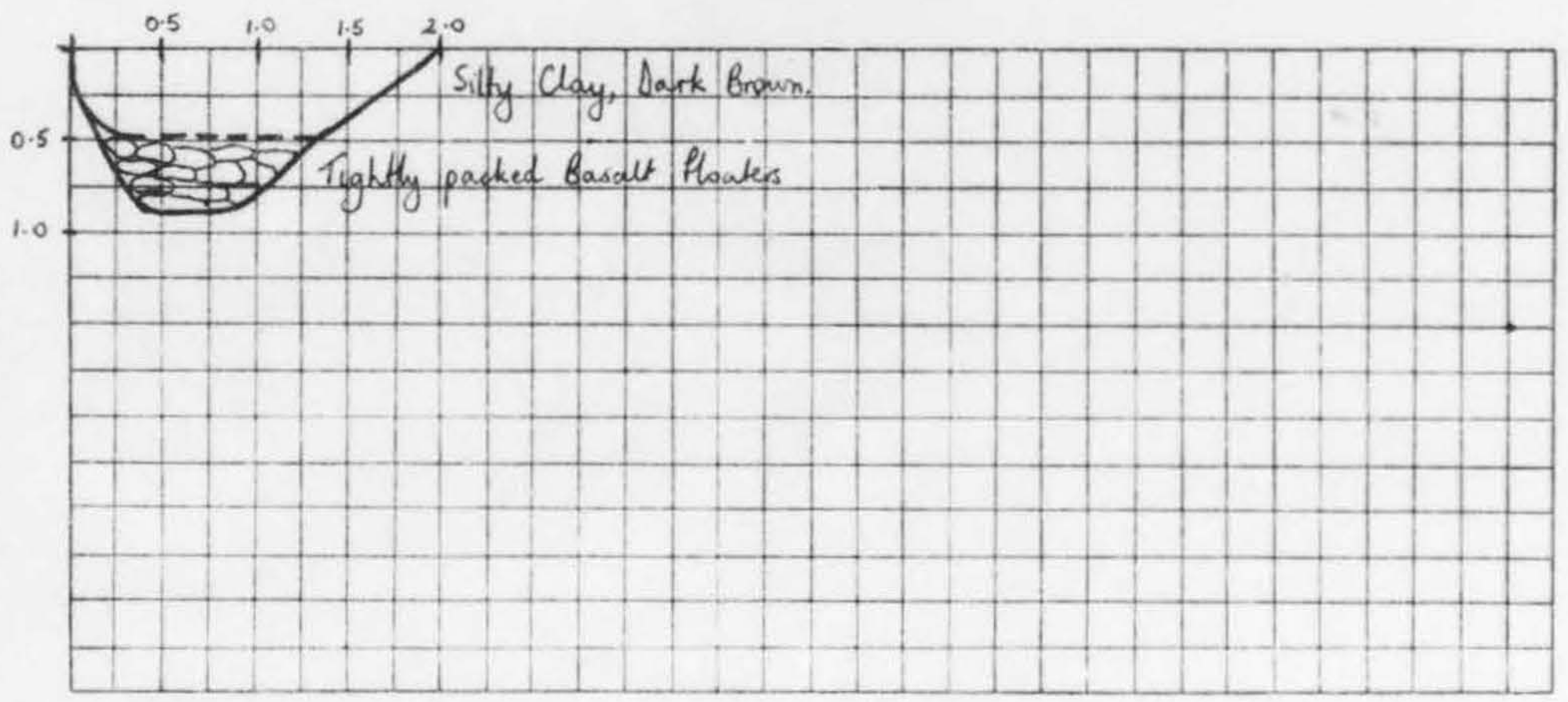
EXCAVATION DIMENSIONS 2.0m LONG 0.65m WIDE

METHOD	EASE OF EXCAVATION	DEPTH M	SOIL DESCRIPTION		SOIL CLASSIFICATION	GRAPHIC LOG.	WATER
			TYPE	CHARACTERISTICS			
BACKHOE	[Symbol]	0.0 - 0.5	SILTY CLAY moist, friable red-brown	CL	[Symbol]		
		0.5 - 1.0	SILTY CLAY, moist, very stiff, dark brown, calcareous nodules at 800mm	CH	[Symbol]		
		1.0 - 1.1	BASALT, e.w. and H.W. floaters.	E.W. H.W.	[Symbol]		
		1.1 - 3.5	Backhoe Refusal.				



Logged	P.G. Dakkhun	Notes Insufficient Depth for Burial.
Date	7.5.84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. 1 of 1
		Drawing no. MCP/1

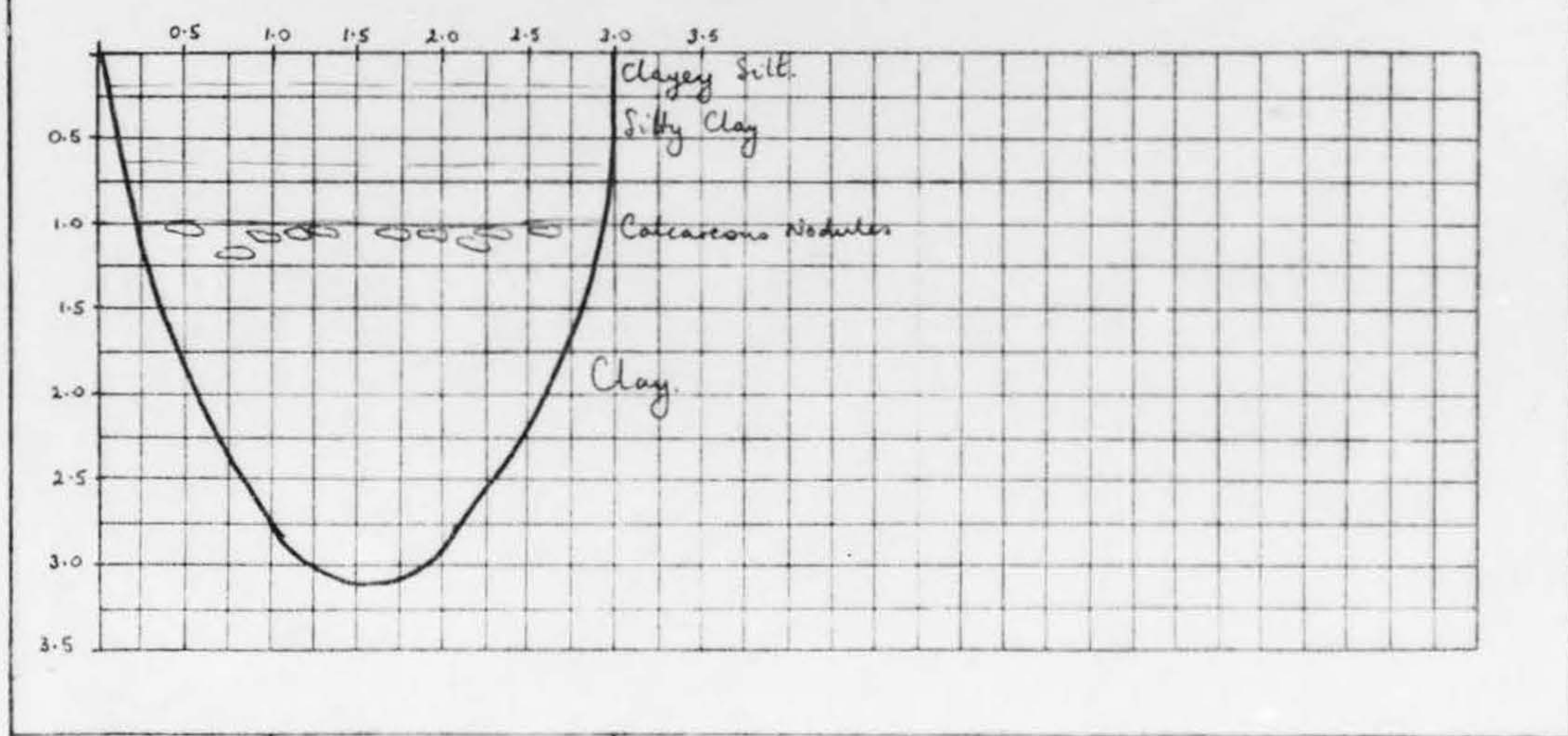
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT NO. <i>DIERRIWARRH 116</i>	
PROJECT <i>Proposed Cemetery at Melton, Vic.</i>		LOCATION R.L. GROUND <i>158.70</i>		5828556.0 AMG. REF. 283560.0	
EQUIPMENT TYPE AND MODEL <i>Case 580C 600mm Bucket</i>		EXCAVATION DIMENSIONS <i>2.0 m LONG 0.65 m WIDE</i>			
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION		WATER
			TYPE	TEXTURE	
BACKHOE	[Symbol]	0.5	SILTY CLAY, moist, friable, Dark brown.	LH	[Symbol]
		0.5	BASALT, floaters, tightly packed CALCREOUS nodules.	H.W.	
		1.0	Backhoe refused.		



Logged	<i>P.G. Dakthans</i>	Notes <i>Insufficient Depth for Burial</i>
Date	<i>7.5.84.</i>	
Checked		
Approved		
Vertical Scale	<i>1:50</i>	Sheet no. <i>1</i> of <i>1</i> Drawing no. <i>MCP 2</i>

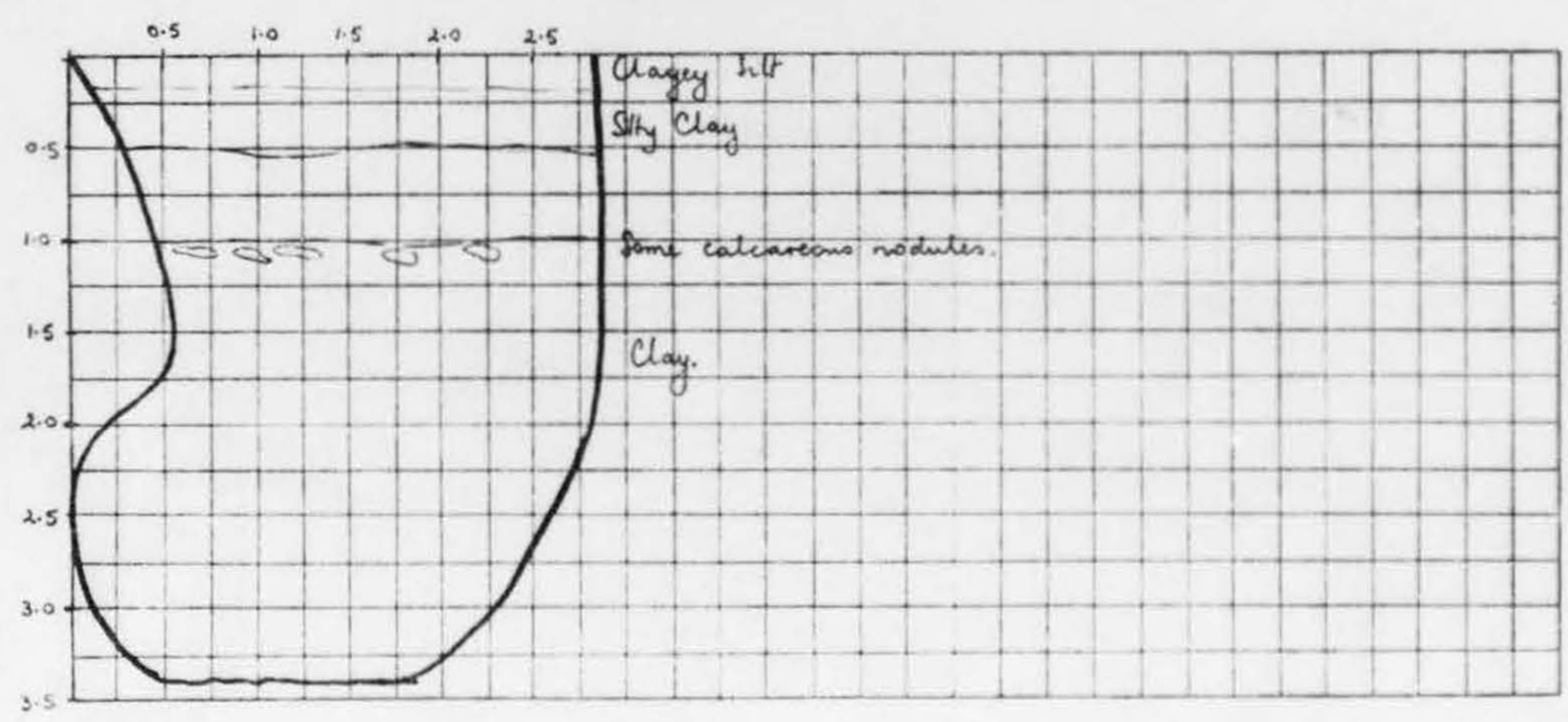
DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DJERRIWARH 119
PROJECT Proposed Cemetery at Melton, Vic.	LOCATION R.L. GROUND 161.10	5828598.0 AMG. REF. 283260.0
EQUIPMENT TYPE AND MODEL Case 580C 600 mm bucket	EXCAVATION DIMENSIONS 3.0 m LONG 0.6 m WIDE	

METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	GRAPHIC LOG.	WATER
			TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIALS		
BACKHOE		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	SILTY CLAY, moist stiff, grey-brown	CH	
		1.5 - 2.5	CLAY, moist, stiff, fissured, grey, slightly mottled with orange-brown	CH	
		2.5 - 3.0	black coatings (dendrite-like) on fissure surfaces, slickensides Calcareous nodules around 1.0 m		
	3.0 - 3.5	End of pit.			



Logged	P. Dahlhaus	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. MCP 3

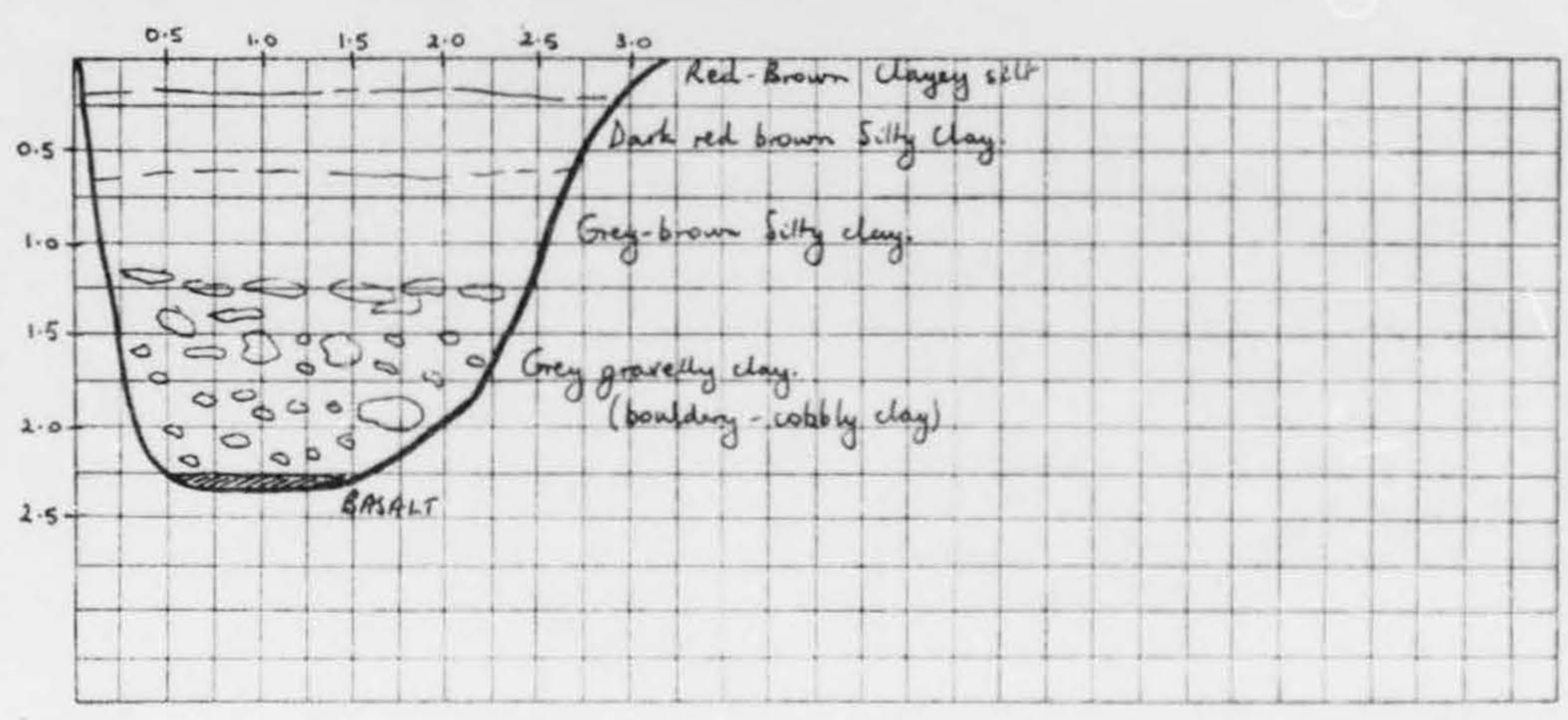
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT No. DJERRIWARH 122		
PROJECT Proposed Cemetery at Melton, Vic.		LOCATION R.L. GROUND 163.70		5829638.0 AMG. REF. 282966.0		
EQUIPMENT TYPE AND MODEL Case 580 C 600mm Bucket						
EXCAVATION DIMENSIONS 2.7 m LONG 0.6 m WIDE						
METHOD	EASE OF EXCAVATION	DEPTH M	SOIL DESCRIPTION	SOIL CLASSIFICATION	GRAPHIC LOG.	WATER
			SOIL DESCRIPTION			
BACKHOLE	█	0.0	CLAYEY SILT, dry friable, red-brown	ML	[Hand-drawn profile of pit]	[Water level indicator]
		0.5	SILTY CLAY, moist stiff, dark red-brown	CL		
		1.0	CLAY, silty, moist stiff grey brown some carbonate nodules around 1.0m	CH		
		1.5	CLAY, moist, stiff, fissured.	CH		
		2.0	grey with occasional yellow-brown mottling.			
2.5	slickenstides on fissure surfaces obvious.	CH				
3.0						
		3.5	End of pit.			
		4.0				



Logged	P. Dahlhaus	Notes
Date	7. 5. 84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no [ ] of [ ]
		Drawing no MCF 4

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG	PIT NO DERRIWARRH 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	

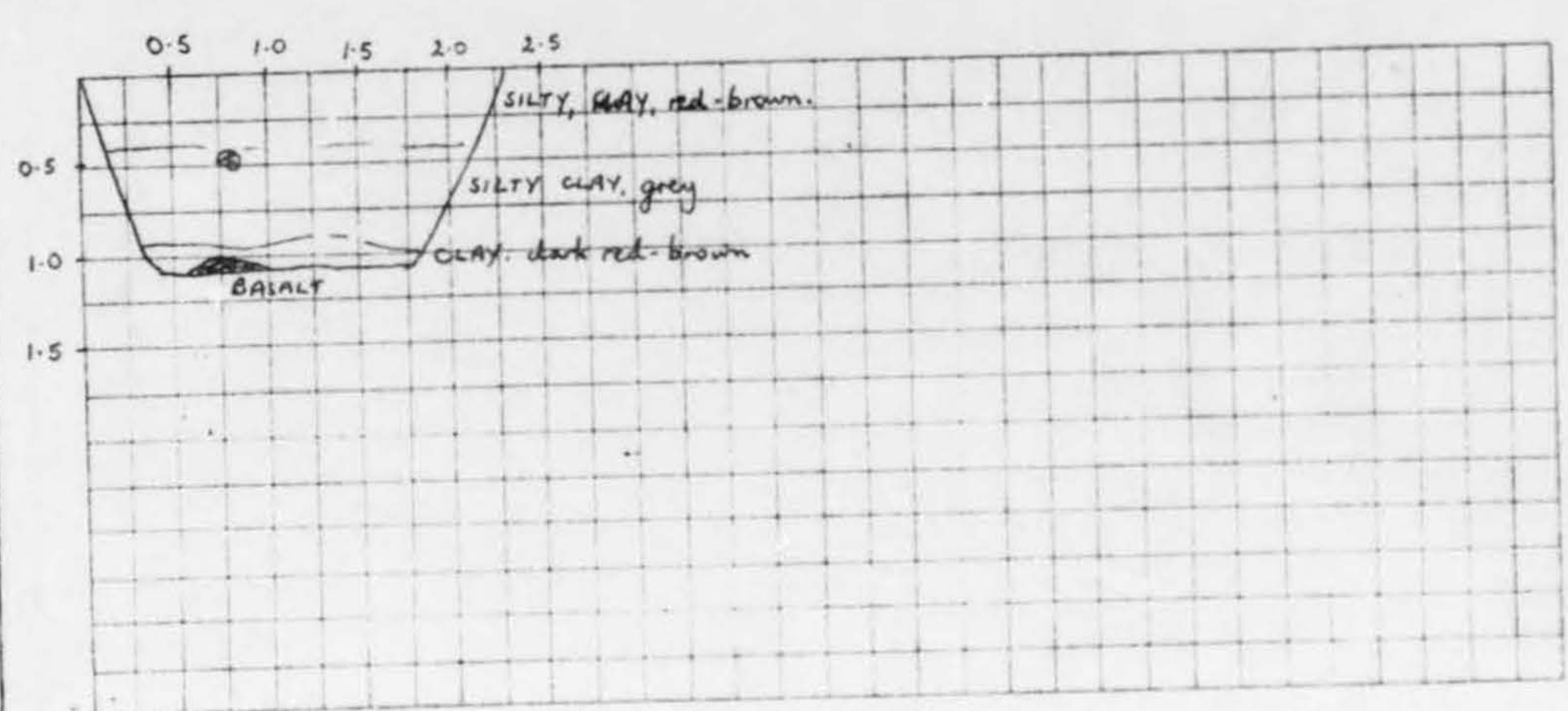
METHOD	EASE OF EXCAVATION	DEPTH M	SOIL DESCRIPTION	CLASSIFICATION	GRAPHIC LOG	WATER
			TYPE, COLOR, MOISTURE, HARDNESS, etc.			
BACKHOE		0.0 - 0.5	CLAYEY SILT, sandy red-brown	ML	[Hand-drawn graphic log showing soil layers and cobbles]	
		0.5 - 1.0	SILTY CLAY, moist, stiff, dark red-brown	CL		
		1.0 - 1.5	SILTY CLAY moist, stiff, grey-brown	CH		
		1.5 - 2.0	As above, with many CALCAREOUS NODULES, BASALT, 70mm cobbles, three or four pieces up to around 200mm size.	G.C.		
		2.0 - 2.5	Extremely weathered BASALT	E.W.		
		2.5	Backhoe refusal.			
		3.0				



Logged	P. Dakkhan	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. MCP 5



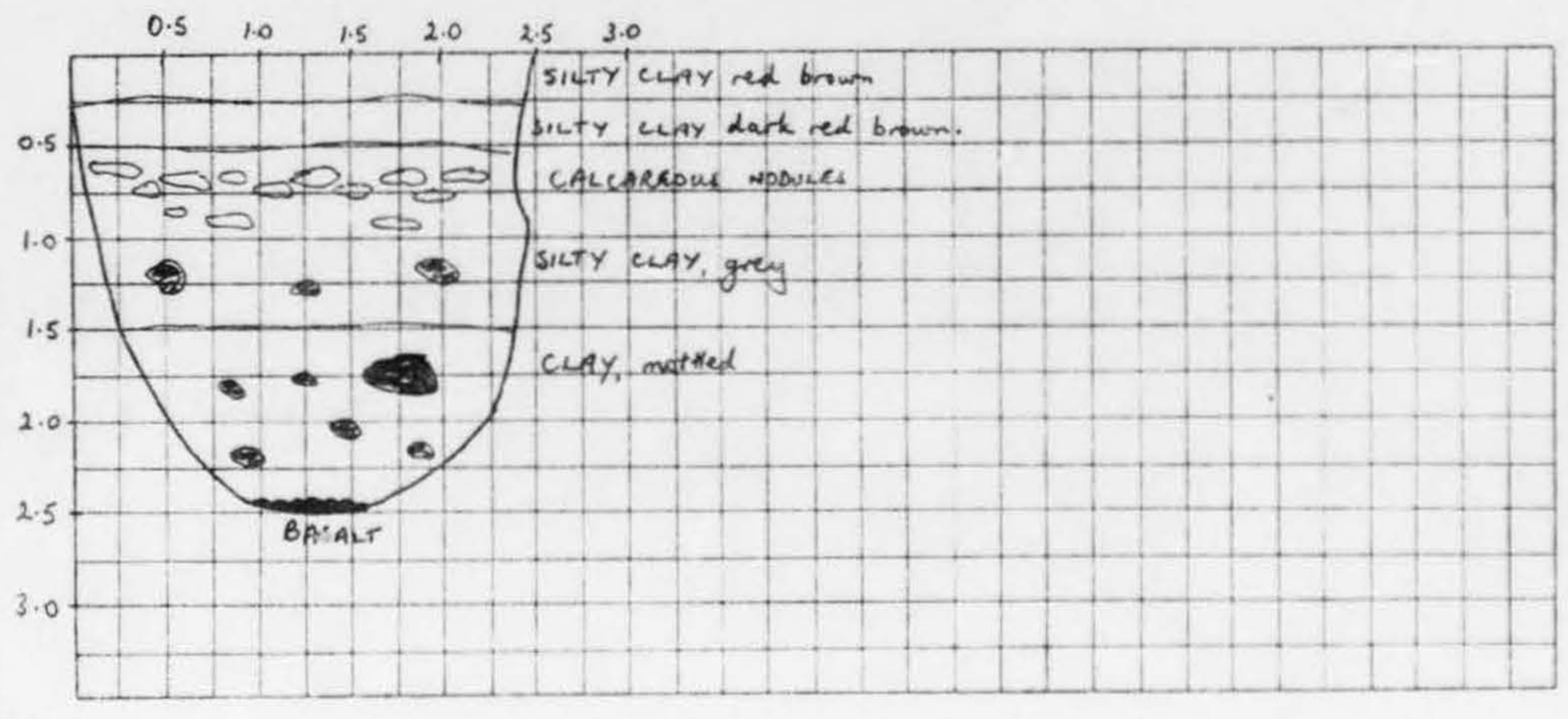
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG		PIT NO. DJERRIWARAH 132		
PROJECT Proposed Cemetery at Melton, Vic.		LOCATION R.L. GROUND 158.9		5829718.0 AMG. REF. 292898.0		
EQUIPMENT TYPE AND MODEL Case 580 C		600 mm bucket				
EXCAVATION DIMENSIONS		2.3 m LONG		0.65 m WIDE		
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	CLASSIFICATION	GRAPHIC LOG	WATER
			ROCK DESCRIPTION			
BACKHOLE	[Bar chart showing excavation ease]	0.0 - 0.5	SILTY CLAY, dark red-brown	CL	[Symbol]	
		0.5 - 1.0	SILTY CLAY, mottled yellow-brown & grey calcareous material at 0.8m numerous basalt flecks	CH	[Symbol]	
		1.0 - 1.5	CLAY, dark red-brown			
		1.5 - 3.0	Backhoe Refusal - Basalt			



Logged J. Guedl  
 Date 10.5.84  
 Checked P. Dahlhaus  
 Approved  
 Vertical Scale 1:50  
 Notes Too shallow to meet requirements for Burial.  
 Drawing No. MCF 15

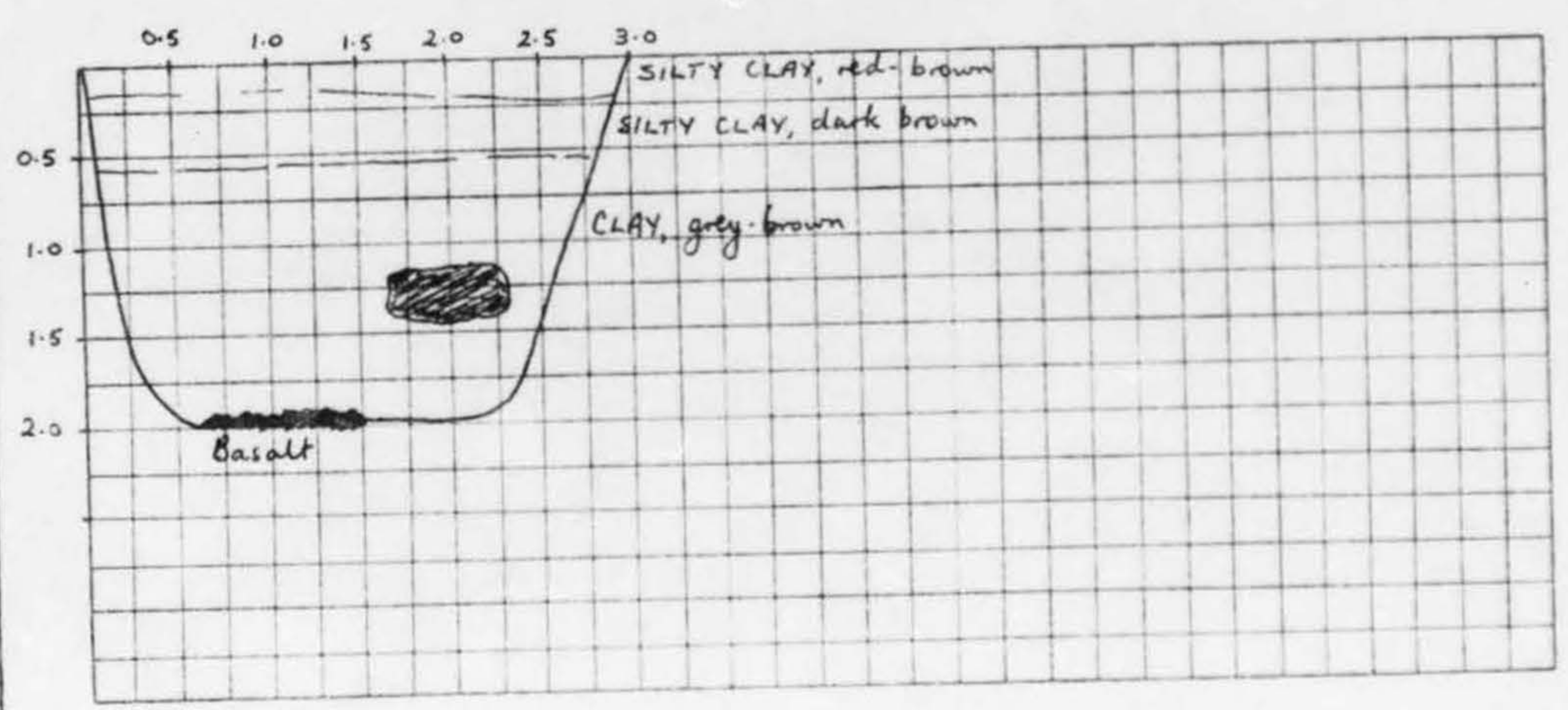
DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DJERRIWARAH 133
PROJECT Proposed Cemetery at Melton Vic.	LOCATION R.L. GROUND 162.70	5828758.0 AMG. REF. 283594.0
EQUIPMENT TYPE AND MODEL Case 580 C	600mm bucket	
EXCAVATION DIMENSIONS	2.5 m LONG 0.65 m WIDE	

METHOD EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	GRAPHIC LOG.	WATER
		<small>TYPE PLASTICITY PARTICLE CHARACTERISTIC COLOUR SUBSTRY MATERIAL</small> ROCK DESCRIPTION <small>TYPE TEXTURE COLOUR HOWARD STRATUM WATER CONTENT</small>		
BACK HOE	0.0 - 0.5	SILTY CLAY, moist, friable, red-brown SILTY CLAY, moist, friable, dark red-brown	CL	
	0.5 - 1.5	SILTY CLAY, moist, stiff, grey, calcareous nodules at 0.5-1.0m Basalt floulers throughout	CH	
	1.5 - 2.5	CLAY, silty, moist stiff, mottled yellow brown & grey Basalt floulers throughout from 40mm to 400mm size.		
	2.5 - 3.0	Backhoe Refusal, Basalt "flover"		
	3.0			



Logged	P. Dahlhaus	Notes A rough hole as many floulers have been plucked from the sides.
Date	7.5.64	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. 1 of 1
		Drawing no. MCP 18

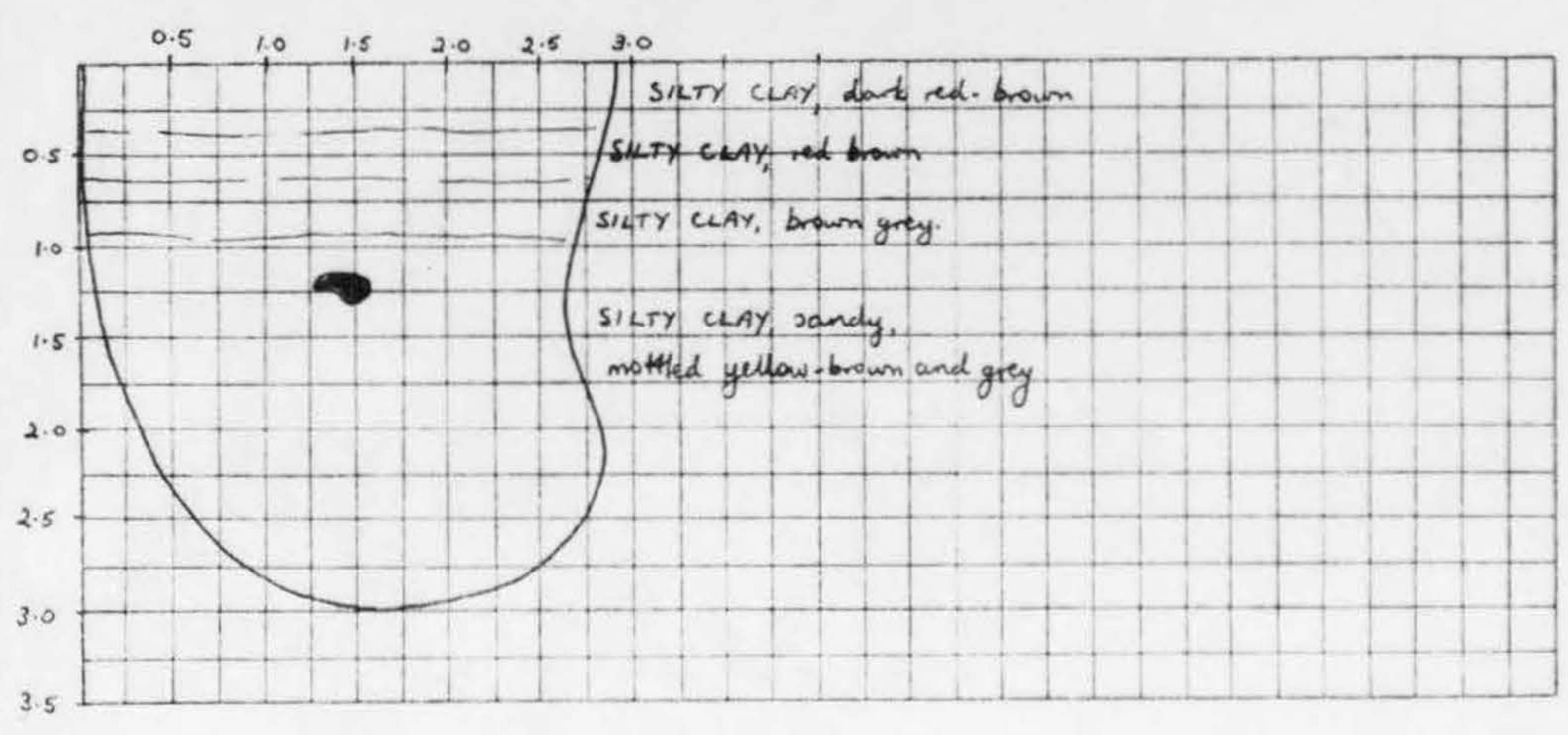
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG		PIT NO DERRIWARAH 134	
PROJECT Proposed Cemetery at Melton Vic.		LOCATION R.L. GROUND 161.30		5123141.0 AMG. REF. 283296.0	
EQUIPMENT TYPE AND MODEL Case 580 C 600 mm					
EXCAVATION DIMENSIONS		3.0 m LONG		0.65 m WIDE	
METHOD OF EXCAVATION	DEPTH m	DESCRIPTION	CLASSIFICATION	GRAPHIC LOG	WATER
BACKHOE	0-0.5	SILTY CLAY, moist, friable, red brown SILTY CLAY, moist, stiff, dark brown Some basalt floaters to cobble size	CL	[Hand-drawn profile of excavation]	
	0.5-1.0	CLAY, silty, moist, stiff, grey brown.	CH to GC		
	1.0-1.5	calcareous nodules 650mm to 850mm floaters throughout cobble size. One 600mm x 400mm at 1.2m.			
	1.5-2.0	Refusal on large floater.			
	2.0-2.5				
	2.5-3.0				
	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

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DJERRIWARAH 135
PROJECT Proposed Cemetery at Melton, Vic.	LOCATION R.L. GROUND 165.00	5327754.0 AMG. REF. 222948.0
EQUIPMENT TYPE AND MODEL Case 580 c 600 mm bucket		
EXCAVATION DIMENSIONS	2.9 m LONG 0.65 m WIDE	

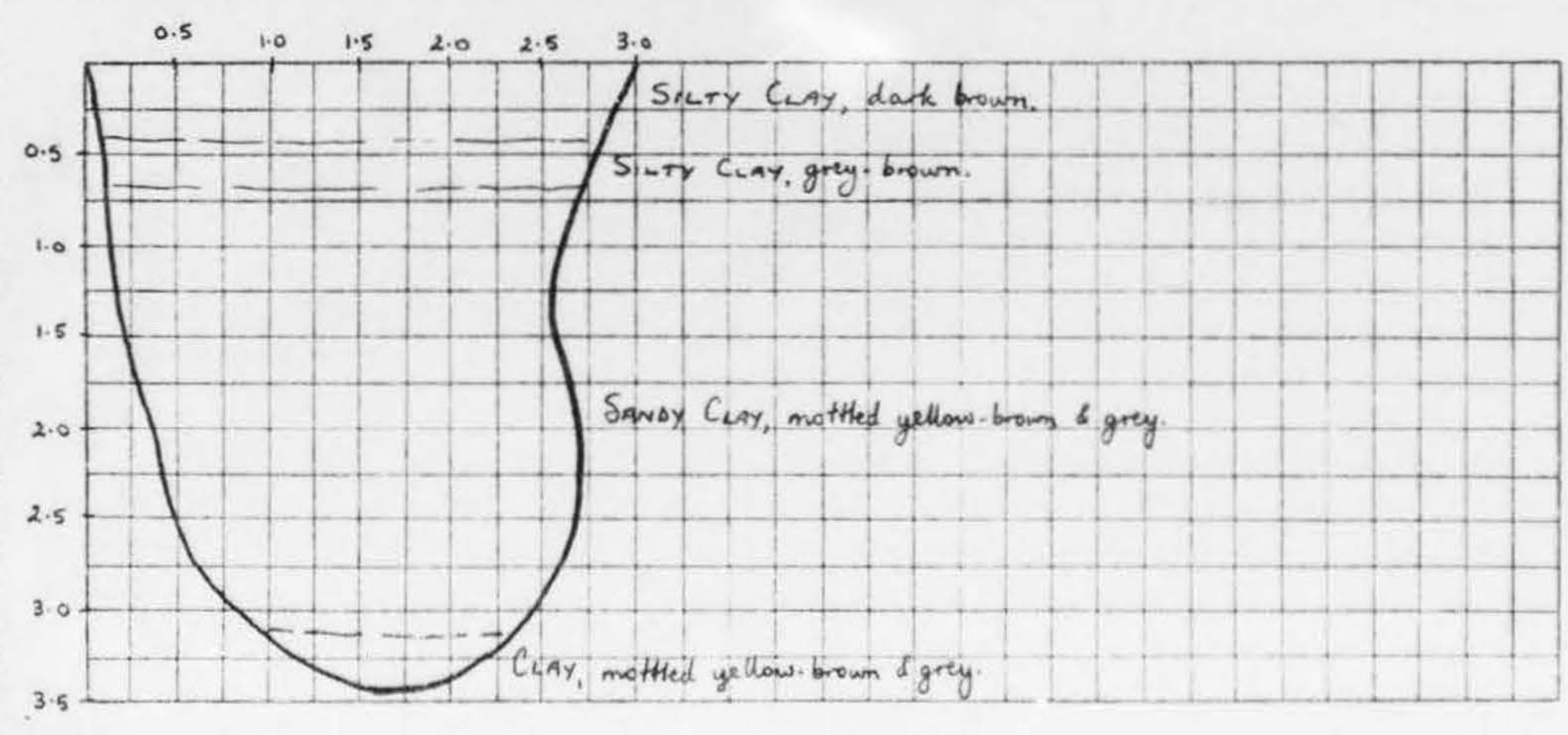
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION		GRAPHIC LOG	WATER
			TYPE	REMARKS		
BACKHOLE		0.0 - 0.5	SILTY CLAY, moist, stiff, dark red-brown	CL		
		0.5 - 1.0	SILTY CLAY, moist, stiff, red-brown	CL		
		1.0 - 1.5	SILTY CLAY, moist, stiff, brown-grey some calcareous sand			
		1.5 - 2.0	SILTY CLAY, sandy, moist, stiff, mottled yellow-brown and grey.	CH		
		2.0 - 2.5	sand mainly quartz, some "buckshot"			
2.5 - 3.0	Basalt gravel to 60 mm throughout 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

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DJERRIWARRH 136
PROJECT Proposed Cemetery at Melton, Vic.	LOCATION R.L. GROUND 165.30	AMG. REF. 5828876.0 282702.0
EQUIPMENT TYPE AND MODEL Case 580 C. 600mm Bucket.		
EXCAVATION DIMENSIONS 3.1 m LONG 0.65 m WIDE		

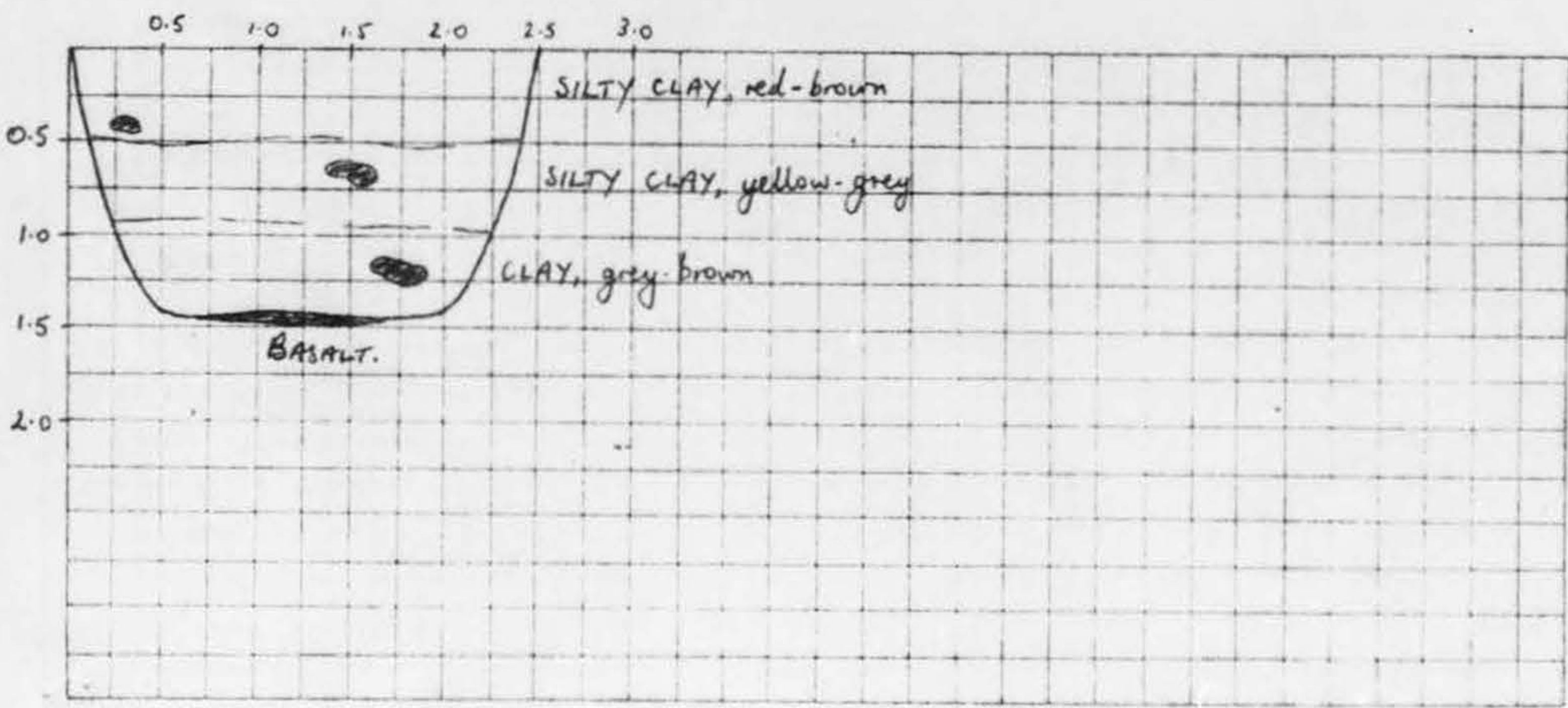
METHOD OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	GRAPHIC LOG.	WATER
		TYPE, TEXTURE, COLOUR, CHARACTERISTIC PARTICLES, CALCAREOUS NODULES, ACCESSIBLE WATER.		
BACKHOE	0-0.5	SILTY CLAY, moist, stiff, dark brown	CL	
	0.5-1.0	SILTY CLAY, moist, stiff, grey-brown calcareous nodules around 0.7m		
	1.0-2.0	SANDY CLAY, silty, moist, stiff, fissured, mottled yellow-brown and grey. sand fraction is fine white quartz.	CH	
	2.0-3.5	CLAY, silty, moist, stiff, mottled yellow-brown and grey.		
	4.0			



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. DJERRIWARAH 143  
 PROJECT Proposed Cemetery at Melton, Vic. LOCATION H.L. GROUND 162.10 58-3914.0  
 EQUIPMENT TYPE AND MODEL Case 550C 600mm bucket. AMG. REF. 285148.0  
 EXCAVATION DIMENSIONS 2.5 m LONG 0.65 m WIDE

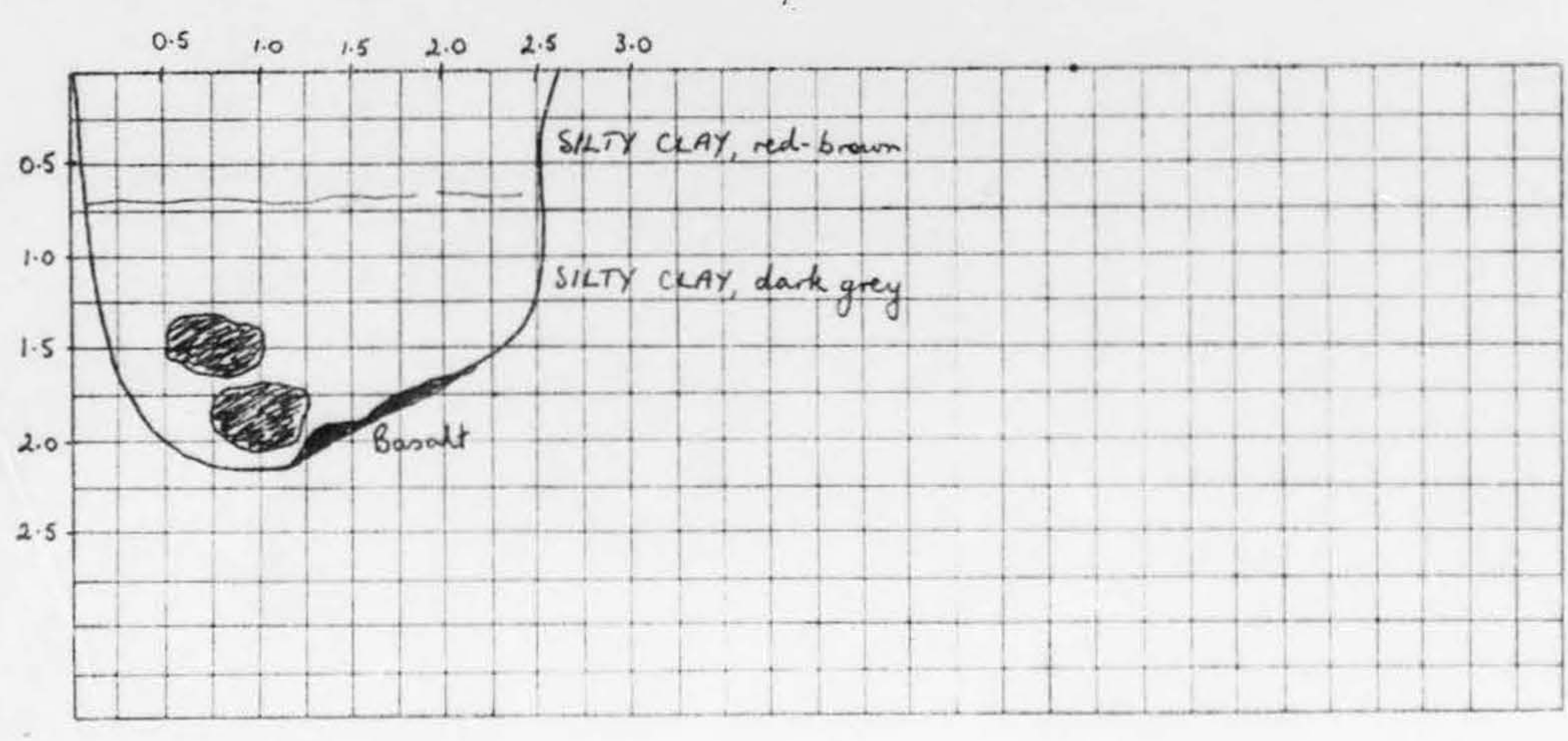
METHOD	DEPTH m	SOIL DESCRIPTION FINE PARTICLE CHARACTERISTIC COLOUR ACCESSORY MATERIAL	SOIL CLASSIFICATION	GRAPHIC LOG.	WATER	
					WATER CONTENT	WATER RATIO
BACKHOE	0.5	SILTY CLAY, red-brown	CL	[Symbol]		
	1.0	SILTY CLAY, mottled light yellow grey calcareous zone at around 0.7m CLAY, grey-brown. some basalt floaters.	CH	[Symbol]		
	1.5	Backhoe refusal.				
	2.0					



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

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DJERRIWARREN 145
PROJECT Proposed Cemetery at Melton, Vic.	LOCATION R.L. GROUND 164.30	5822458.0 AMG REF. 283624.0
EQUIPMENT TYPE AND MODEL Case 580C	600 mm bucket	
EXCAVATION DIMENSIONS	2.6 m LONG	0.65 m WIDE

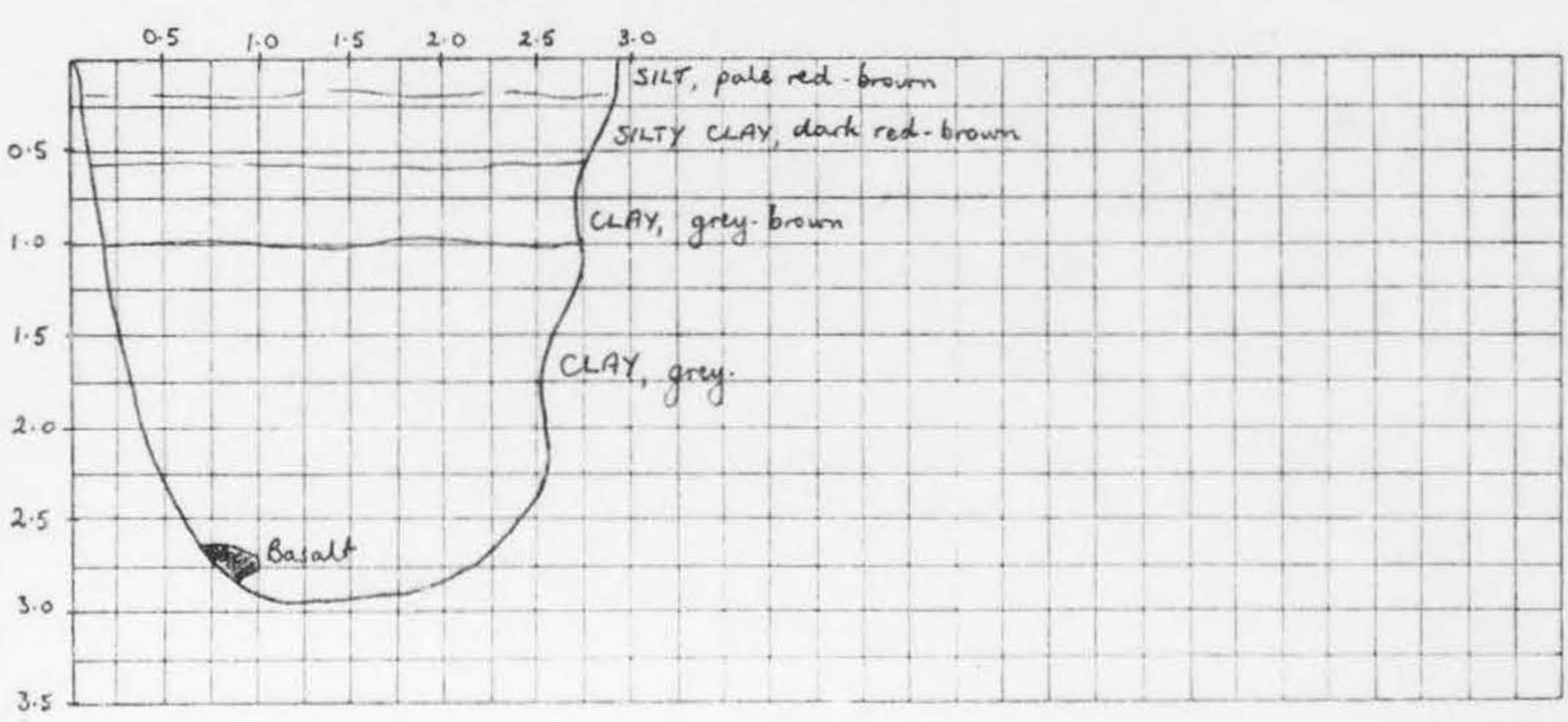
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION TYPE, PARTICLE SIZE, CHARACTERISTICS, COLOR, & CONSTITUENTS	CLASSIFICATION	GRAPHIC LOG.	WATER
BACKHOE		0.5	SILTY CLAY, moist, blocky, very stiff. dark red-brown	CL		
		1.0	SILTY CLAY moist, friable, stiff. dark grey.	CH		
		1.5	calcareous nodules at 800mm			
		2.0	Basalt "floaters" throughout. 500 mm size floaters at 1.5 & 1.8 m			
		2.5	Rehusal on Basalt "floater"			
		3.0				



Logged	P. Dahlhaus	Notes Backhoe rehusal on large Basalt "floater". (presumed)
Date	7. 5. '84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. 1 of 1
		Drawing no. MCP13

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DJERRIWARRH 148
PROJECT Proposed Cemetery at Melton, Vic.	LOCATION R.L. GROUND 163.40	AMG. REF 582897.0 283328.0
EQUIPMENT TYPE AND MODEL Case 580 C	600mm bucket.	
EXCAVATION DIMENSIONS	2.9 m LONG 0.65 m WIDE	

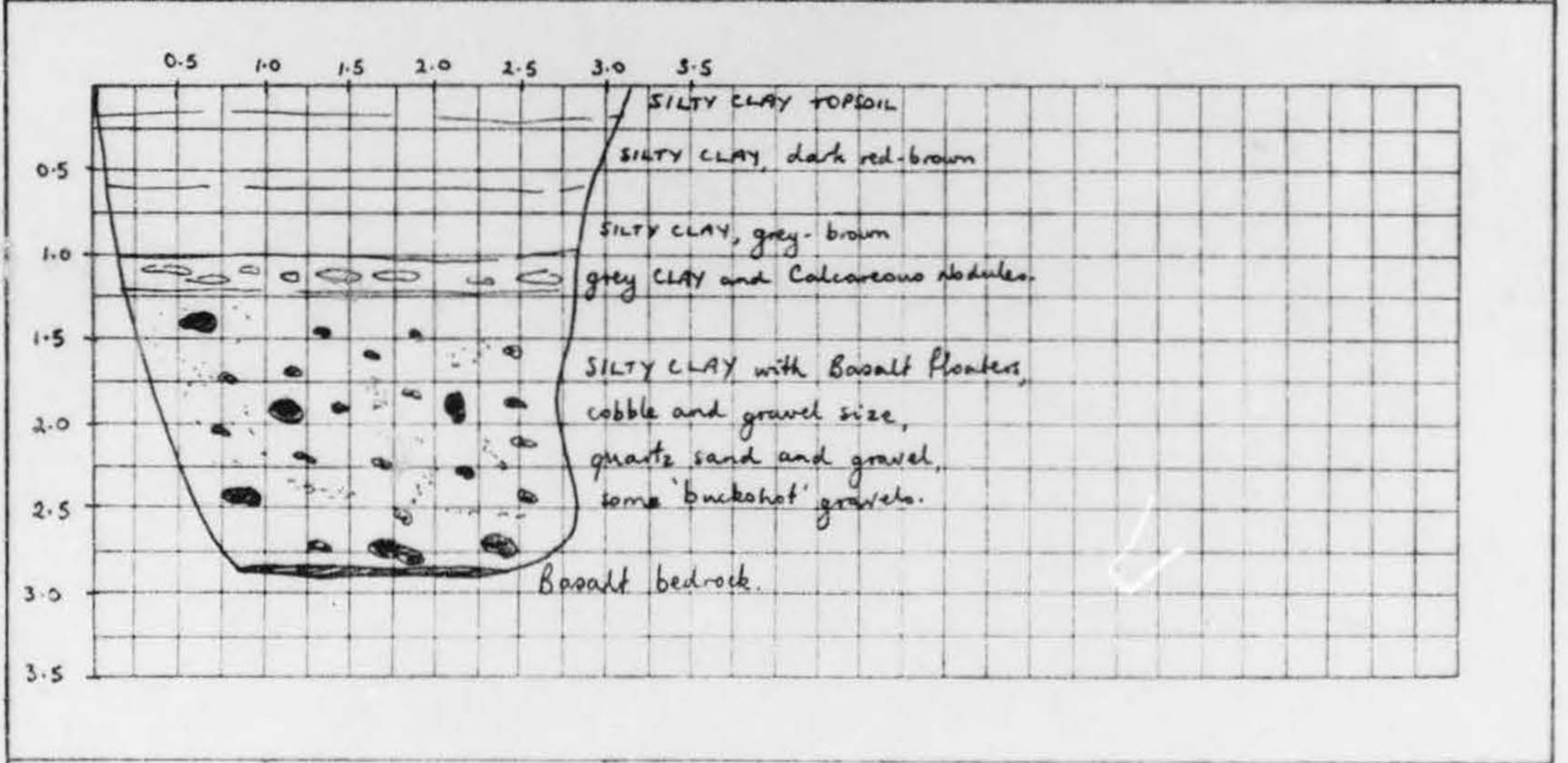
METHOD OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	CLASSIFICATION	GRAPHIC LOG.	WATER
		SOIL DESCRIPTION			
BACKHOE	0.0 - 0.5	SILT, clayey dry friable pale red brown SILTY CLAY, moist, stiff, dark red-brown	ML CL		
	0.5 - 1.0	CLAY, silty, moist, stiff, grey-brown Some calcareous nodules.	CH		
	1.0 - 2.0	CLAY, moist, stiff, fissured, grey slightly mottled with orange-brown. Fissures show slickensided surfaces, some black staining (like dendrites)			
	2.0 - 2.5	Basalt "floaters" 200mm to 300mm size at 2.7m.	CH		
	2.5 - 3.0				
	3.0 - 3.5				



Logged	P. Dahlhaus	Notes Extremely easy digging to over 2.0m
Date	7.5.84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. 1 of 1
		Drawing no. MCP 12



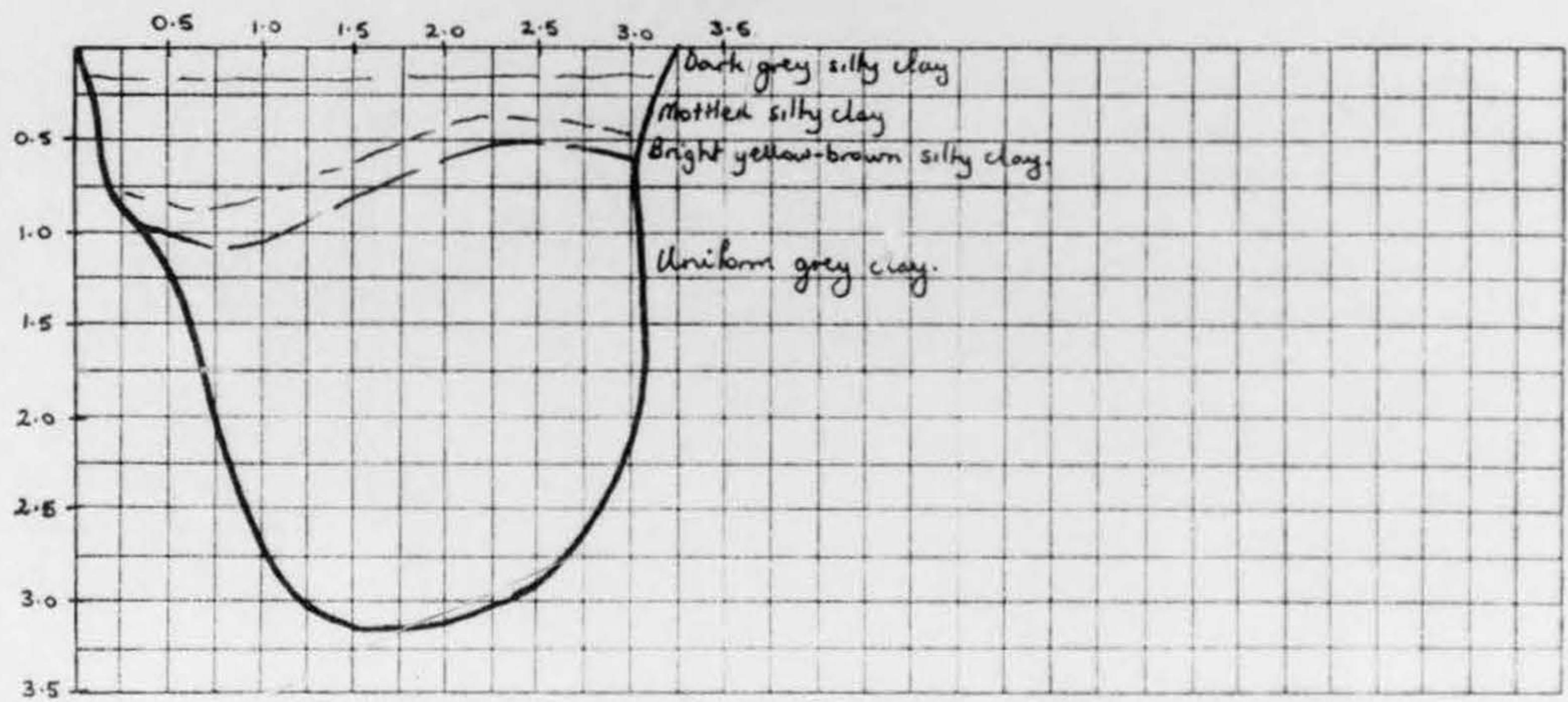
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT No. DJERRIWARAH 151		
PROJECT Proposed Cemetery at Melton, Vic.		LOCATION R.L. GROUND 165.10		AMG. REF. 5229034.0 233026.0		
EQUIPMENT TYPE AND MODEL Case 580 C 600mm bucket						
EXCAVATION DIMENSIONS		3.3 m LONG		0.65m WIDE		
METHOD	EASE OF EXCAVATION	DEPTH M	SOIL DESCRIPTION	CLASSIFICATION	GRAPHIC LOG.	WATER
			TEXTURE COLOUR MOISTURE OTHER COMMENTS			
BACKHOE	█	0.0 - 0.5	SILTY CLAY, moist friable, red-brown	CL		
		0.5 - 1.0	SILTY CLAY, moist, stiff, dark red-brown	CH		
		1.0 - 1.5	SILTY CLAY, moist, stiff, grey-brown.	CH		
		1.5 - 2.0	CLAY, silty, grey. Calcareous nodules.	CH		
		2.0 - 2.5	SILTY CLAY, sandy, gravelly, moist, stiff.	CH or GC		
		2.5 - 3.0	grey pockets of sand throughout, qtz sand appearing occasionally layered. gravel mix of qtz, basalt, "buckshot"	CH or GC		
		3.0	Backhoe refusal - Basalt			
		3.5				



Logged	P. Dahlhaus	Notes
Date	7.5.84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. 1 of 1
		Drawing no. MCP 9

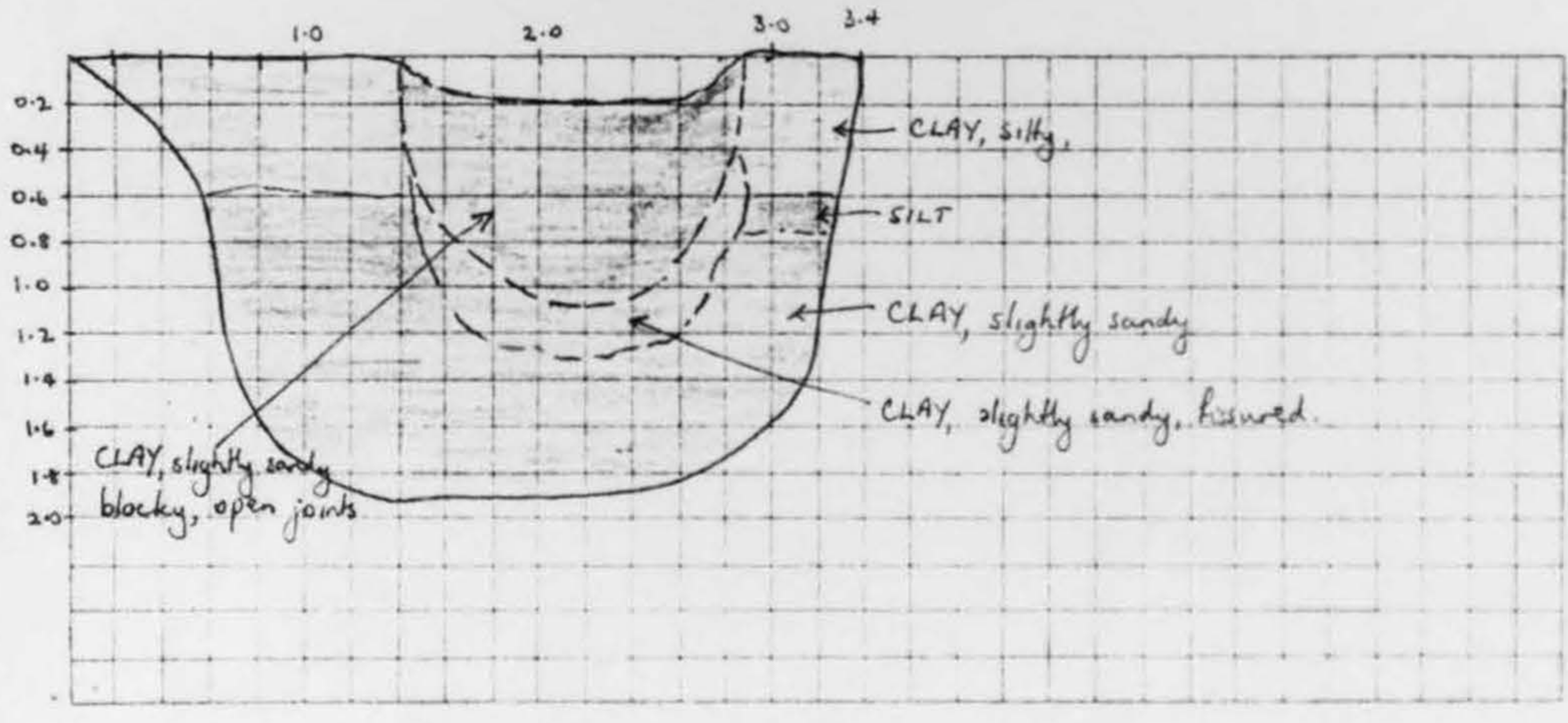
DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DJERRIWARH 154
PROJECT Proposed Cemetery at Melton Vic.	LOCATION R.L. GROUND 165.80	5829074.0 AMG. REF. 282736.0
EQUIPMENT TYPE AND MODEL Case 580 C 600 mm Bucket.		
EXCAVATION DIMENSIONS	3.5 m LONG 0.65 m WIDE	

METHOD OF EXCAVATION	DEPTH M	SOIL DESCRIPTION	GRAPHIC LOG.	WATER
		TYPE & TEXTURE, COLOUR, CHARACTER OF SURFACE, VEGETATION, etc.		
BACKHOE	0.0 - 0.5	SILTY CLAY, moist stiff, dark grey.	CH	
	0.5 - 1.0	SILTY CLAY, moist stiff mottled yellow-brown & grey	CH	
	1.0 - 1.5	SILTY CLAY, moist stiff, bright yellow-brown	CH	
	1.5 - 3.5	CLAY, moist, stiff, fissured, grey.	CH	



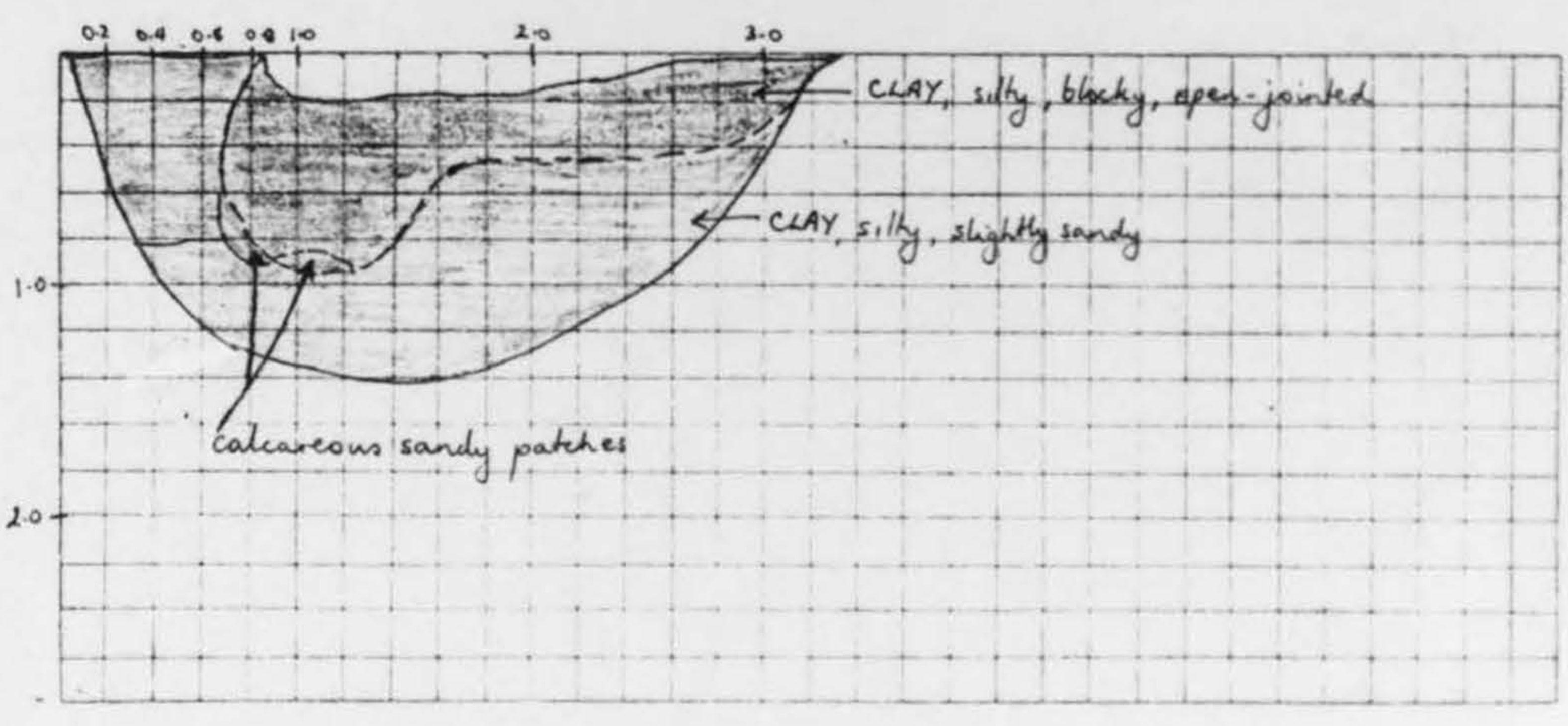
Logged	P. Dahlhaus	Notes: Extremely easy to excavate. Smooth-sided pit. Soil horizons form an obvious catenary boundary.
Date	7.5.84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. 1 of 1
		Drawing no. MCD 8

DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG		PIT NO. DJERRIWARAH 175	
PROJECT Proposed Cemetery at Melton Vic.			LOCATION R.L. GROUND 169.88		AMG. REF. 5850016.7 282879.3
EQUIPMENT TYPE AND MODEL					
EXCAVATION DIMENSIONS					
		m LONG		m WIDE	
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION		WATER
			TYPE PLASTICITY RANGE	CHARACTERISTIC COLOUR	
			ROCK DESCRIPTION		
			TYPE		
			CHARACTERISTIC COLOUR		
			WEATHERING		
			REMARKS		
		0.2	CLAY, silty moist, friable, stiff, fissured brown.		Material in Subsided portion. CLAY, slightly sandy. dry to moist, blocky brown.
		0.4	many tree roots.		
		0.6	SILT, clayey fine calcareous material throughout.		open jointed, some 20mm wide, many tree roots.
		0.8	CLAY, slightly sandy.		
		1.0	moist, stiff, yellow brown.		CLAY, slightly sandy, fissured. moist, stiff, yellow-brown, very open textured. Some lim to soft areas.
		1.2	becomes mottled yellow-brown		
		1.4	and grey around 1.3m.		
		1.6			
		1.8			



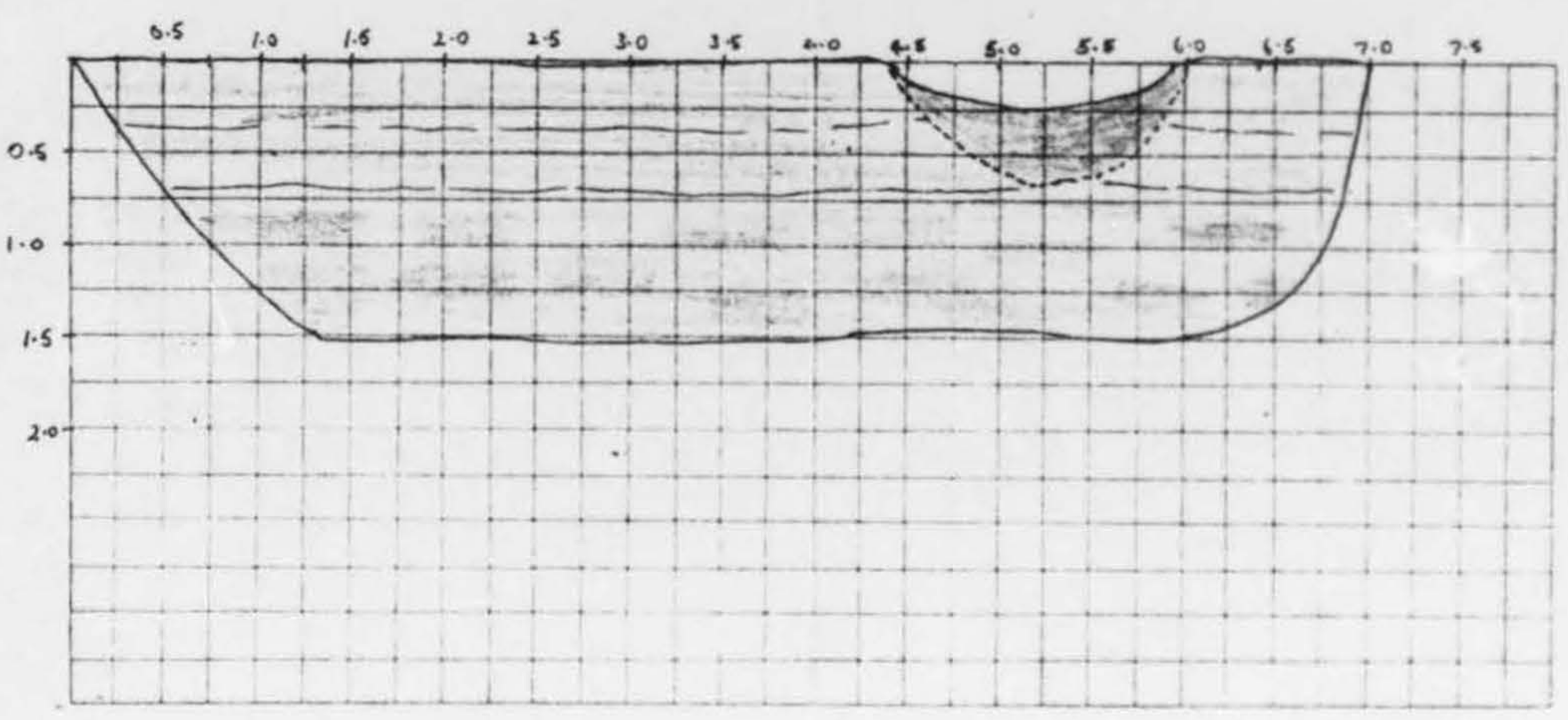
Logged	P. Dahlhaus	Notes
Date	10.5.84	
Checked		
Approved		
Scale of graph	1:20	Sbs No 1

DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG		PIT NO D5ERR. WARRH 176	
PROJECT Proposed Cemetery at Melton Vic. R.L. GROUND 169.88				LOCATION 58° 00' 10.7" S 144° 28' 29.3" E	
EQUIPMENT TYPE AND MODEL					
EXCAVATION DIMENSIONS					
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	GRAPHIC LOG.	WATER
			ROCK DESCRIPTION		
BACKHOE		0-0.2	CLAY, silty, moist, stiff, friable. dark yellow-brown.	Material in subsided patch. CLAY, silty, moist (near dry) very stiff, blocky, brown. open jointed. some calcareous patches (sandy) at the base.	
		0.2-0.4			
		0.4-0.6			
		0.6-0.8			
		0.8-1.0	CLAY, silty, moist, stiff, greenish-yellow brown.		
		1.0-1.2	slightly sandy.		
	1.2-1.4				
	1.4-1.6				
	1.6-1.8				



Logged	P Dahlhaus	Notes
Date	10.5.84	
Checked		
Approved		
Vertical Scale	1:20	Sheet 1 of 1 Drawings Subj. No. 2

DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG		PIT NO. DJERRIWARRA 177	
PROJECT Proposed Cemetery at Melton Vic.		LOCATION R.L. GROUND 169.48		ANG. REF. 28-1172-3 28-2822-8	
EQUIPMENT TYPE AND MODEL					
EXCAVATION DIMENSIONS					
		m LONG		m WIDE	
METHOD OF EXCAVATION	DEPTH m	SOIL DESCRIPTION		GRAPHIC LOG.	WATER
		ROCK DESCRIPTION			
BACKHOE	0-0.2	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,			
	1.0	mottled yellow brown & grey, slightly sandy.			
	1.2				
	1.4				
	1.6				
1.8					



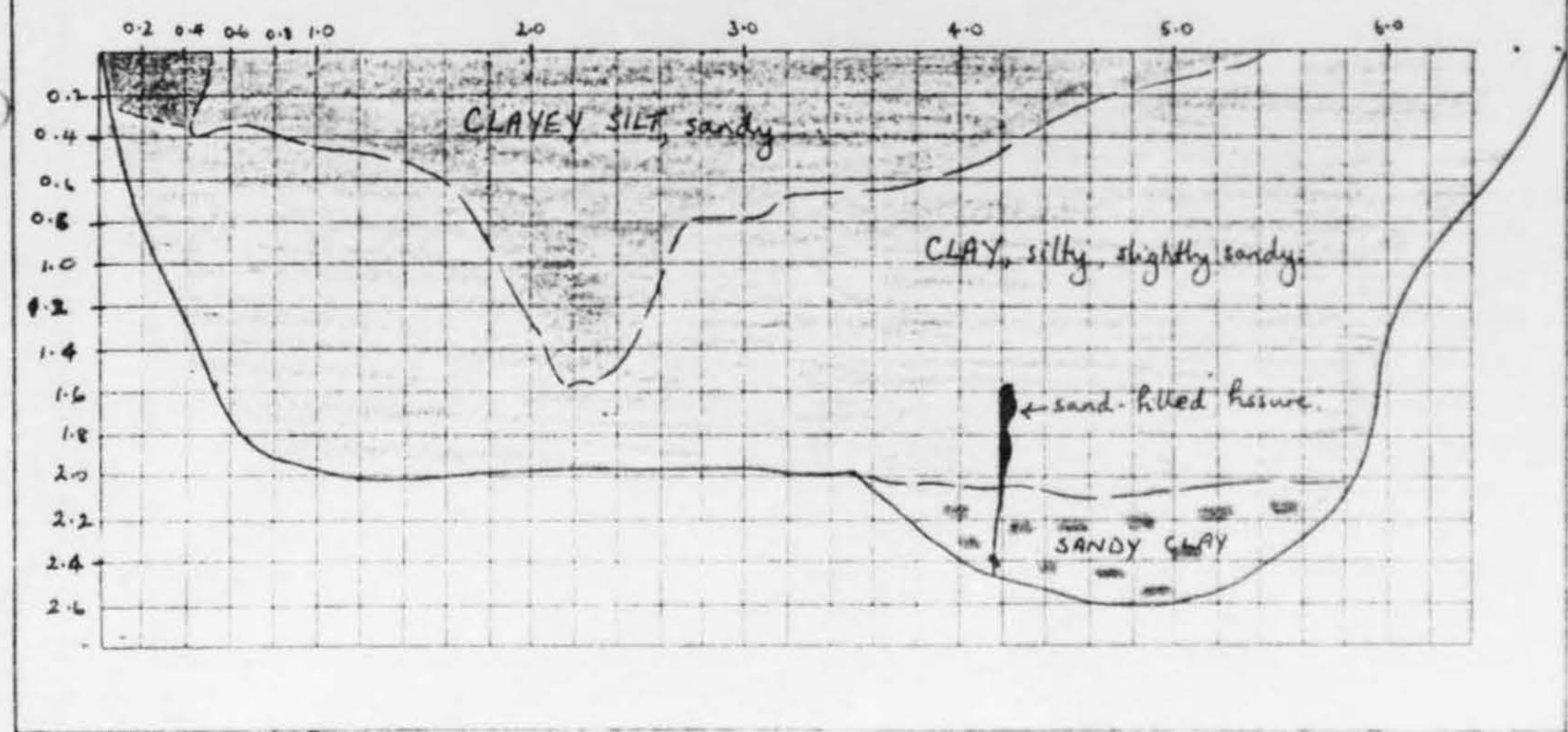
Logged	P. Dahlhaus	Notes
Date	10.5.84	
Checked		
Approved		
Vertical Scale	1:20	Sheet 1 of 1 Drawing Sbs No. 3

DEPARTMENT OF MINERALS AND ENERGY EXCAVATION LOG. PIT NO. DSERRIWARRH 178

PROJECT Proposed Cemetery at Melton Vic. LOCATION R.L. GROUND 168.95 AMG. REF. 582112.0  
29283.3

EQUIPMENT TYPE AND MODEL EXCAVATION DIMENSIONS m LONG m WIDE

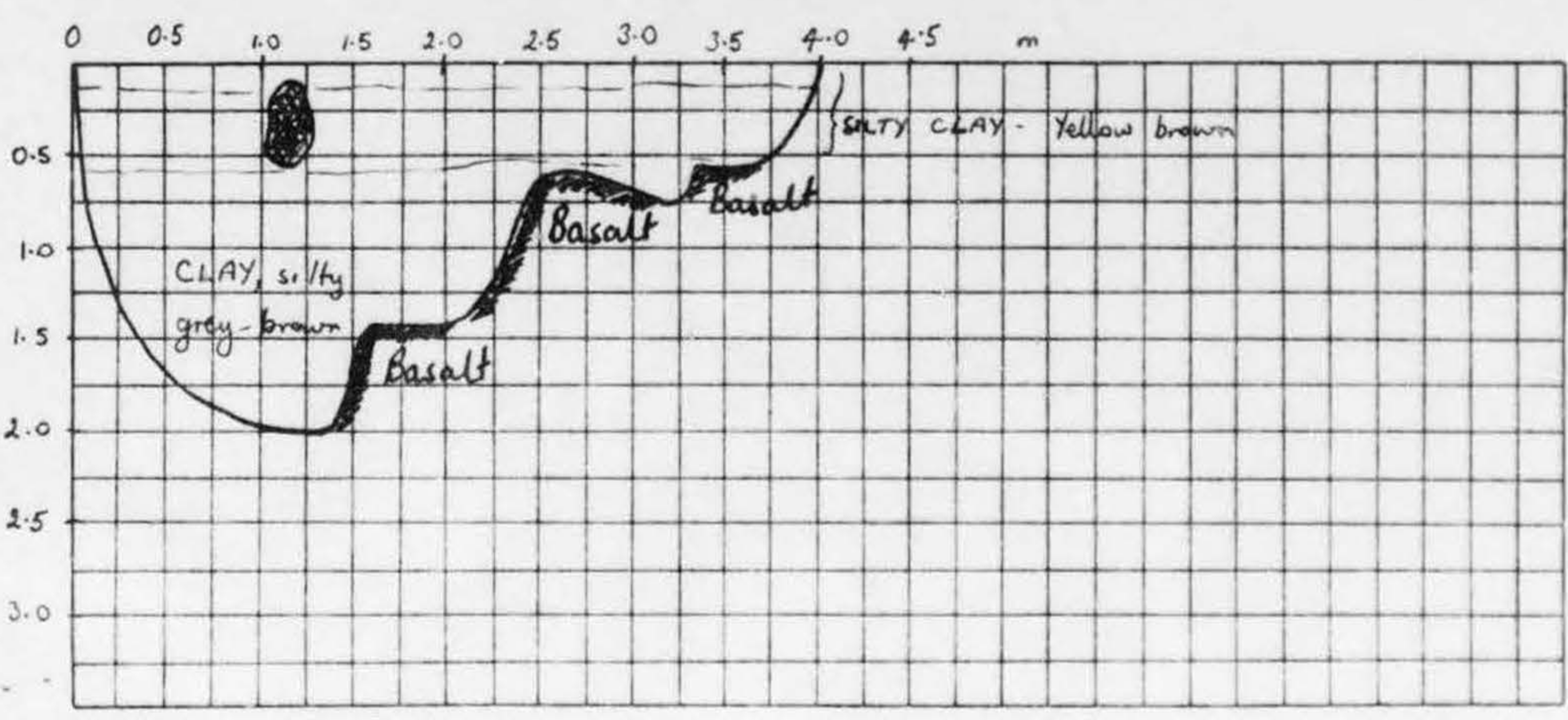
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION		GRAPHIC LOG.	WATER
			TYPE	TEXTURE		
BACKHOLE	PATCHY - 1 to 3.	0.5	CLAYEY SILT, sandy, fissured in part, moist friable dark grey. DEPTH VARIES		siltier near top. Quartz gravel pieces to 1.5m in centre trough.	
		1.0	CLAY, silty, moist, stiff, fissured 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				



Logged P. Dahlhaus  
 Date 10.5.84  
 Checked  
 Approved  
 Vertical Scale 1:50  
 Notes  
 Subs. No. 4

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <u>DJERRIWARAH 179</u>
PROJECT <u>Proposed Cemetery at Melton.</u>	LOCATION R.L. GROUND <u>173.98</u>	<u>5830203.2</u> AMG. REF. <u>283421.7</u>
EQUIPMENT TYPE AND MODEL EXCAVATION DIMENSIONS	<u>Case 580C; 600mm Bucket</u> <u>4.0 m LONG 0.65 m WIDE</u>	

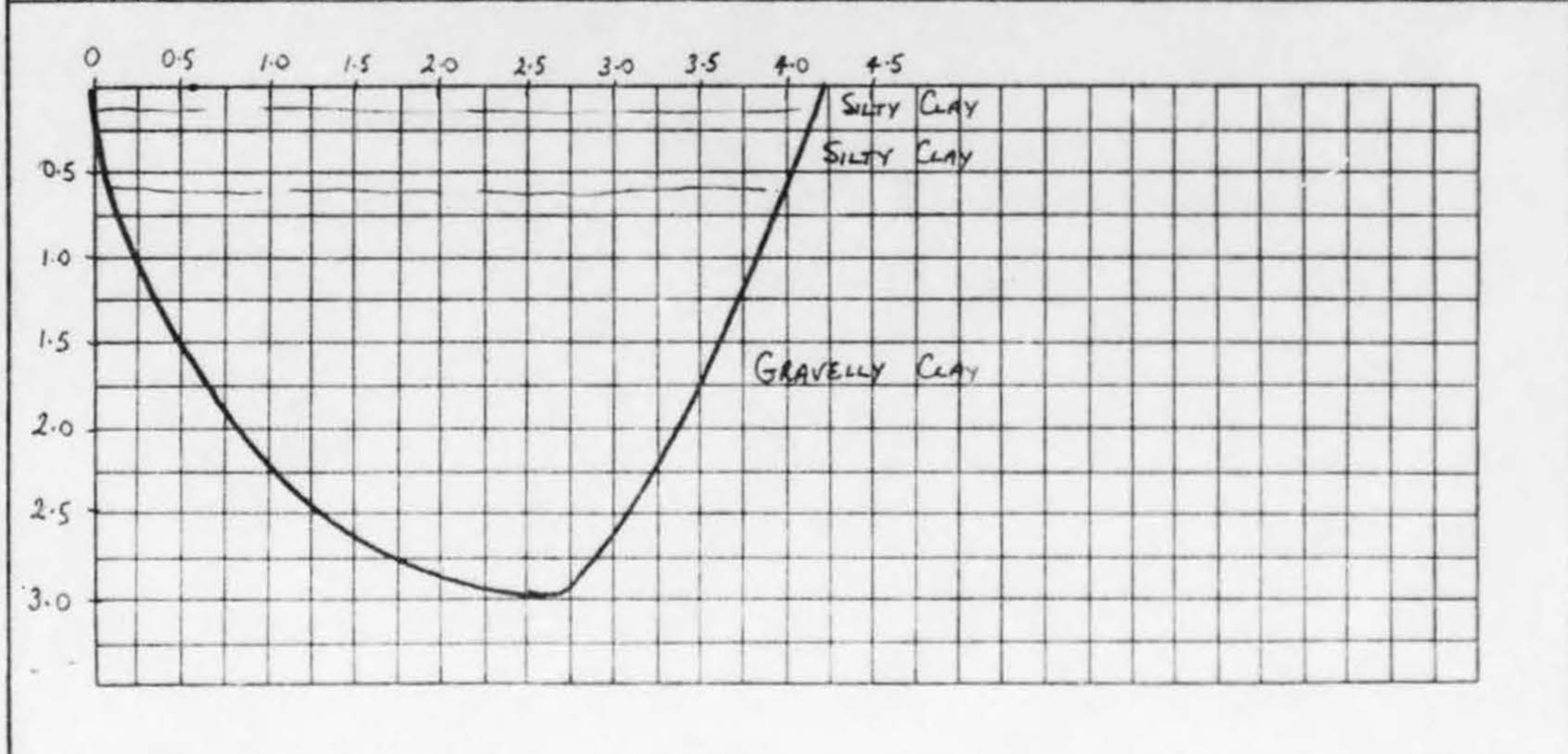
METHOD EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL U.S.S. SYMBOL	GRAPHIC LOG.	WATER	
		TYPE PLASTICITY PARTICLE CHARACTERISTIC COLOUR ACCESSORY MATERIAL				
		ROCK DESCRIPTION	ROCK WEATHERING			
		TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS				
BACK HOE	0-0.5	SILTY CLAY, moist stiff, red-brown	CL		- One Basalt 'floater' (400mm x 300mm) excavated.	
	0.5-1.0	SILTY CLAY, moist, stiff, yellow brown sandy and gravelly (buckshot)	CH			
	1.0-2.0	CLAY, silty, moist, stiff, grey-brown some 'buckshot' Large basalt 'floaters.'				
	2.0-3.0	Difficult Excavation due to 'floaters'				



Logged	Peter Dahlhaus	Notes <u>Not Suitable for Burial because of Basalt 'floaters'</u>
Date	12. 7. '84	
Checked		
Approved		
Vertical Scale	(1:5)	Sheet no. 1 of 1   Drawing no. MCP5 - 1

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. DJERRIWARAH 180
PROJECT Proposed Cemetery at Melton, Vic.	LOCATION R.L. GROUND 171.67	AMG. REF. 5829955.1 283380.9
EQUIPMENT TYPE AND MODEL Case 580 C; 600mm Bucket	EXCAVATION DIMENSIONS 4.2 m LONG 0.65 m WIDE	

METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL NO. & U.C.C. SYMBOL	GRAPHIC LOG.	WATER
			TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL			
BACKHOE		0.0	SILTY CLAY, moist, friable, dark grey.	CL		
		0.5	SILTY CLAY, moist stiff, red-brown	CH		
		1.0	GRAVELLY CLAY, sandy moist, stiff, fissured, grey. Calcareous nodules at 0.7m	GC		
		3.0	End of Excavation.			

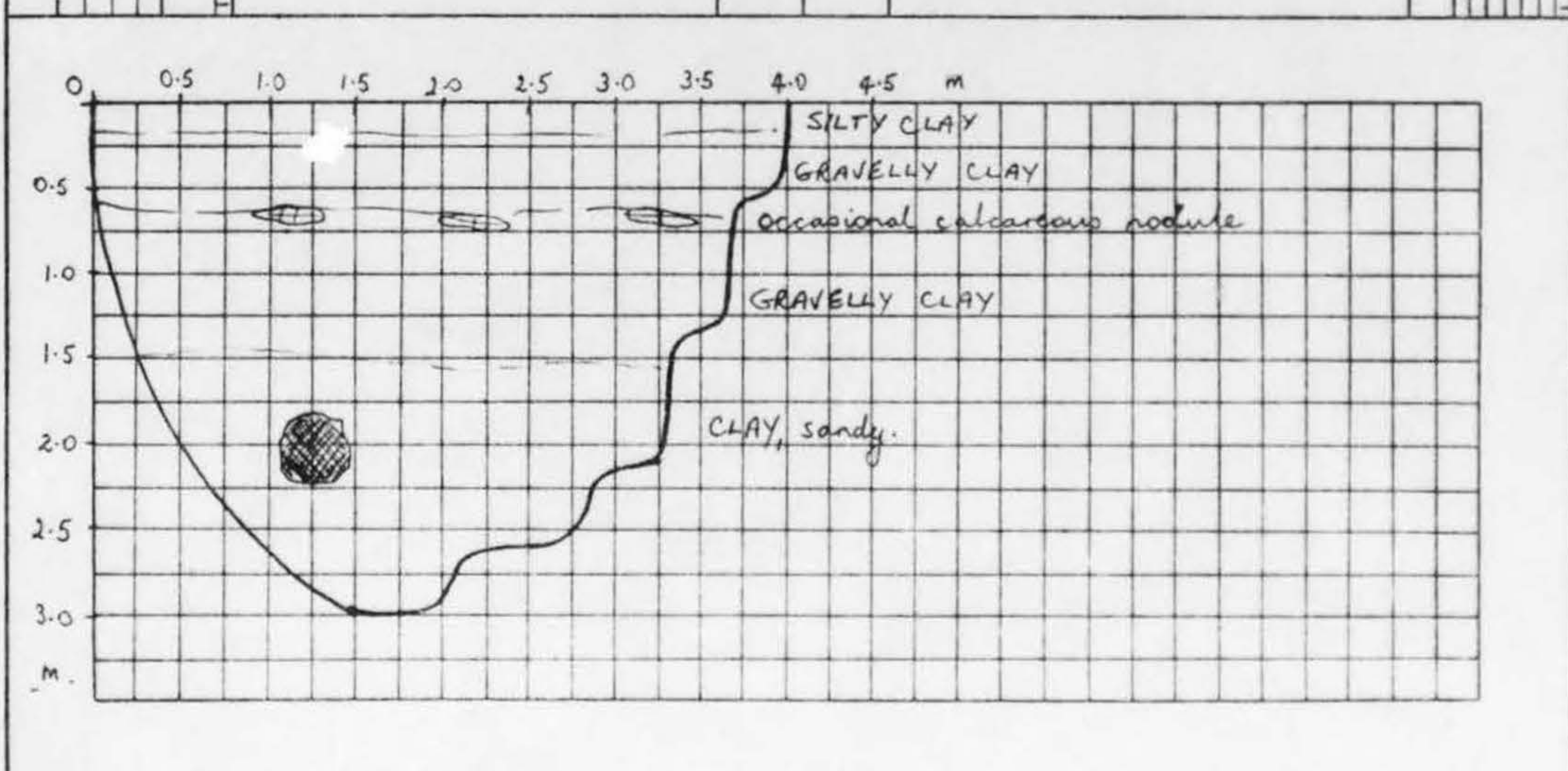


Logged	Peter Dalhous	Notes
Date	12-7-84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. of Drawing no. MCP5-2



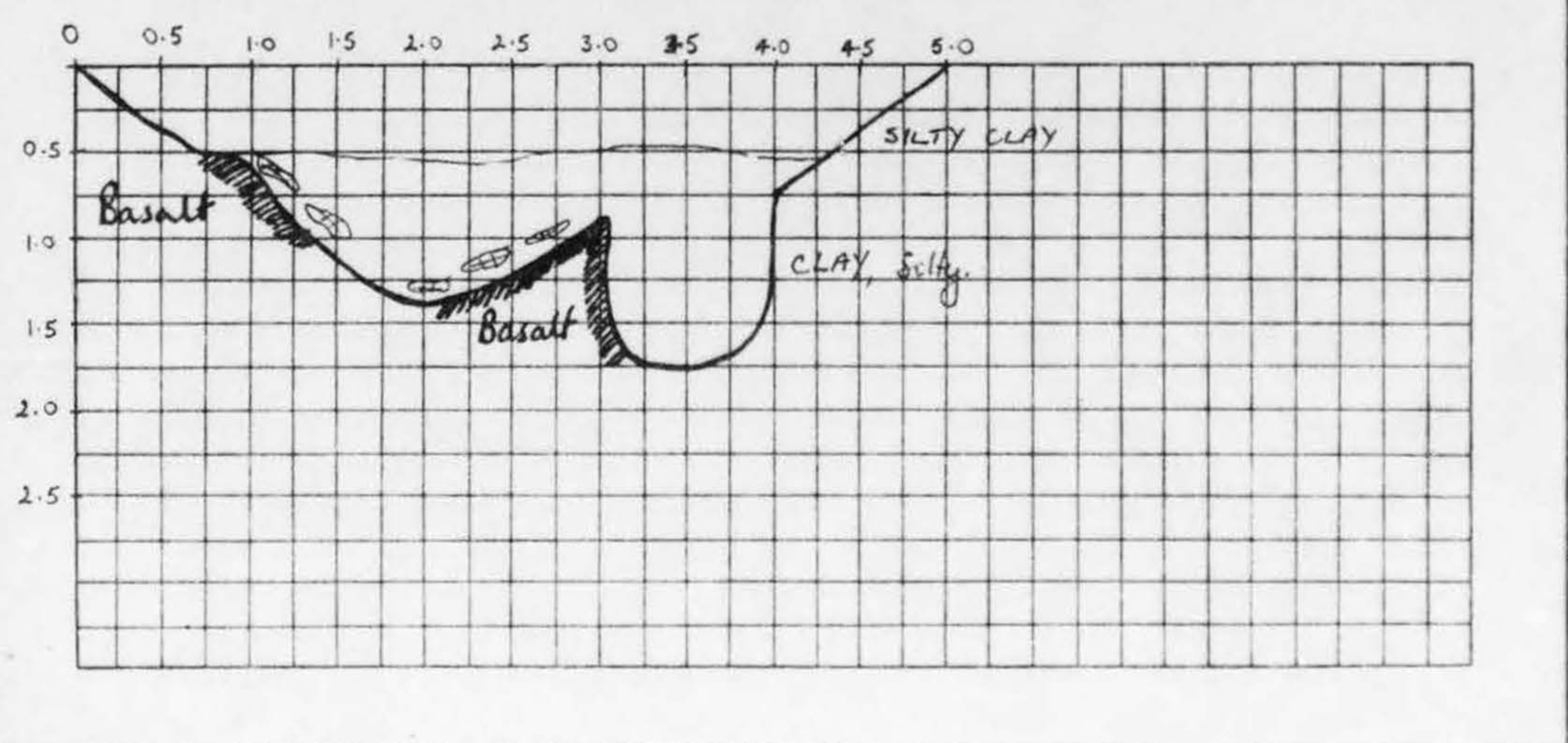
DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <i>DJERRIWARRH 181</i>
PROJECT <i>Proposed Cemetery at Melton</i>	LOCATION R.L. GROUND <i>169.52</i>	AMG. REF. <i>5821773.6</i> <i>283344.7</i>
EQUIPMENT TYPE AND MODEL EXCAVATION DIMENSIONS	<i>Case 580C; 600mm Bucket</i> <i>4 m LONG 0.63 m WIDE</i>	

METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL	GRAPHIC LOG.	WATER
			TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL	USE SYMBOL		
			ROCK DESCRIPTION	ROCK		
			TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS	WEATHERING		
BACKHOE		0-1.0	SILTY CLAY, dry, blocky, dark brown GRAVELLY CLAY, moist, stiff red-brown some 'buckshot' sands.	CL GC	<p>three or four calcareous nodules at 0.6m - gravel is mostly 'ironstone' types. some quartz.</p> <p>- one Basalt cobble (400mm x 400mm) at 2.0m</p>	
		1.0-2.0	GRAVELLY CLAY, moist, stiff, fissured, grey. occasional Basalt cobble.			
		2.0-3.0	CLAY, sandy, moist, stiff, fissured. mottled yellow-brown & grey. some 'buckshot' and quartz gravel some roots and remnant roots. some sand lenses.	CH		
		3.0	End of Excavation.			



Logged	<i>Peter Dahlhaus</i>	Notes
Date	<i>12.7.84</i>	
Checked		
Approved		
Vertical Scale	<i>1:50</i>	Sheet no. <i>1</i> of <i>1</i>
		Drawing no. <i>MC1-3</i>

DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT No. DJERIKUARRH 182	
PROJECT Proposed Cemetery at Melton, Vic.			LOCATION R.L. GROUND 169.44		AMG. REF. 58 4759.7 28 3581.7
EQUIPMENT TYPE AND MODEL Case 580 C; 600mm Bucket.			EXCAVATION DIMENSIONS 5 m LONG 0.65 m WIDE		
METHOD	DEPTH m	SOIL DESCRIPTION		GRAPHIC LOG.	WATER
		TYPE PLASTICITY PARTICLE CHARACTERISTIC COLOUR ACCESSORY MATERIAL	ROCK DESCRIPTION TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS		
BACKHOE	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. occasional 'buckshot' Basalt floaters too large to excavate			
	1.5				
	2.0	Part refusal on basalt.			
	2.5				
	3.0				



Logged	Peter Dahlmann	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

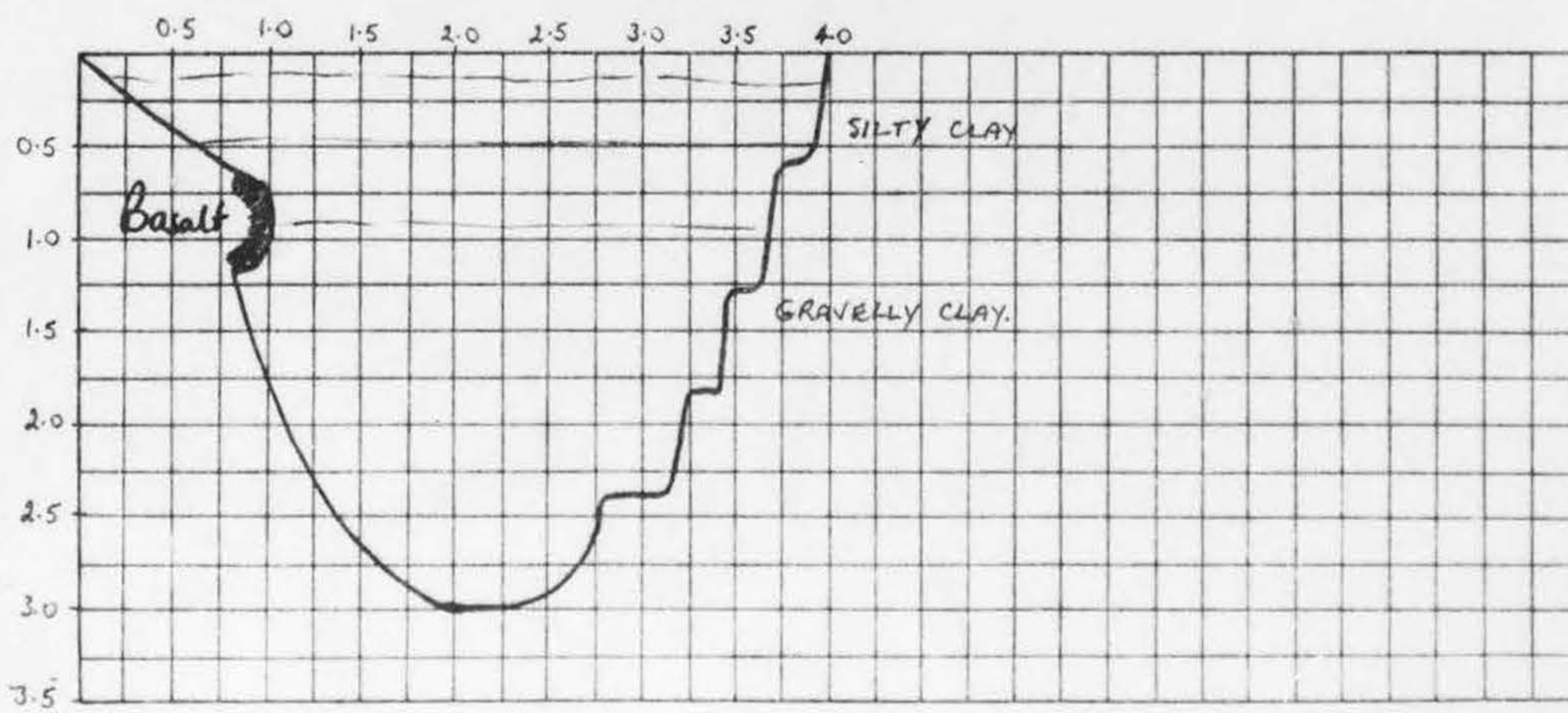
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT NO. <i>DJERRIWARRA 183</i>			
PROJECT <i>Proposed Cemetery at Melton, Vic.</i>			LOCATION R.L. GROUND <i>165.91</i>		AMG. REF. <i>5824501.6</i> <i>283479.4</i>		
EQUIPMENT TYPE AND MODEL <i>Case 580C; 600mm bucket</i>							
EXCAVATION DIMENSIONS <i>3 m LONG 0.65 m WIDE</i>							
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL U.C.C. SYMBOL	GRAPHIC LOG.	WATER	
			TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL				ROCK DESCRIPTION TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS
<i>BACKHOE</i>		0.5	<i>SILTY CLAY, moist, friable, dark red brown</i>	<i>CH</i>			
		1.0	<i>CLAY, silty, moist, stiff, fissured grey.</i>				
		1.5	<i>some root remnants.</i>				
		2.0	<i>Backhoe Refusal - Basalt.</i>				
		2.5					

Logged	<i>Peter Dahlhaus</i>	Notes
Date	<i>12. 7. '84</i>	
Checked		
Approved		
Vertical Scale	<i>1:20</i>	Sheet no. <i>1</i> of <i>1</i> Drawing no. <i>WPPS-5</i>

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <i>DJERRIWARRI 184</i>
PROJECT <i>Proposed Cemetery at Melton Vn.</i>	LOCATION R.L. GROUND <i>172.00</i>	<i>5824980.9</i> AMG. REF. <i>283625.1</i>
EQUIPMENT TYPE AND MODEL <i>Case 580C; 600 Bucket</i>		
EXCAVATION DIMENSIONS	<i>4 m LONG 0.65 m WIDE</i>	

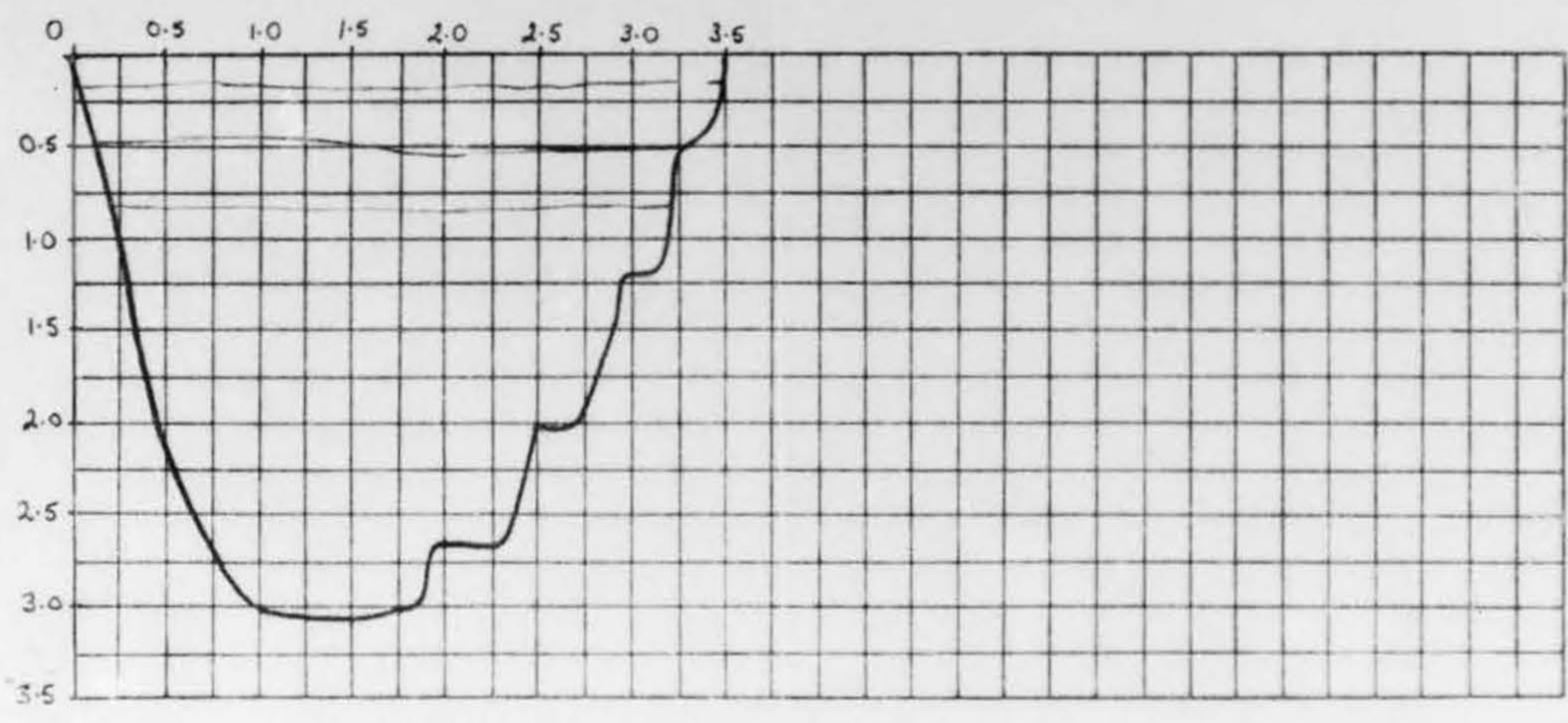
METHOD OF EXCAVATION	DEPTH M	SOIL DESCRIPTION	SOIL USE SYMBOL	GRAPHIC LOG.	WATER	HARD PENETRO METER	
		TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL					
		ROCK DESCRIPTION	ROCK USE SYMBOL				
		TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS					
BACKHOE	0.5	CLAY, Silty, Dry, blocky, brown	CH				
		SILTY CLAY, moist friable, red-brown					
	1.0	SILTY CLAY, gravelly, moist, firm, grey. Basalt flake at 0.7m					
	1.5	GRAVELLY CLAY, sandy, moist, firm, grey.	GC				<p>gravel is mixed 'ironstone' and quartz. The sand is almost all fine quartz. Charcoal pieces are probably remnant roots.</p>
	2.0	becomes mottled with yellow-brown occasional charcoal piece.					
2.5							
3.0							
3.5	End of excavation.						



Logged	<i>Peter Dahlhaus</i>	Notes
Date	<i>12. 7. '84</i>	
Checked		
Approved		
Vertical Scale	<i>1:50</i>	Sheet no.   of   Drawing no. <i>MCPS-7</i>

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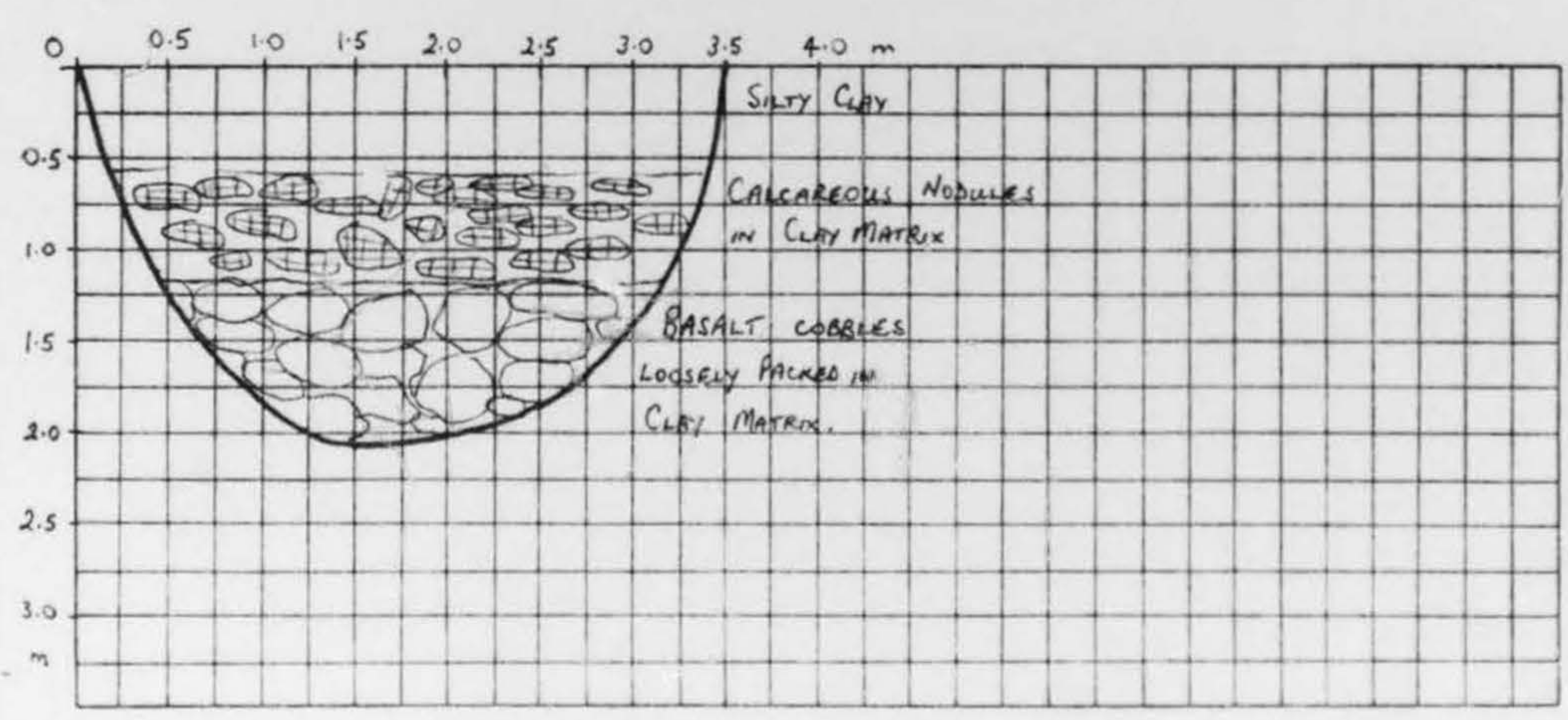
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT No. <i>DJERRIWARH 185</i>		
PROJECT <i>Proposed Cemetery at Melton Vic.</i>			LOCATION <i>R.L. GROUND 166.75</i>		AMG. REF. <i>5829536.2</i> <i>283163.8</i>	
EQUIPMENT TYPE AND MODEL <i>Case 580 C ; 600mm Bucket</i>						
EXCAVATION DIMENSIONS <i>3.5 m LONG 0.65 m WIDE</i>						
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL CLASSIFICATION	GRAPHIC LOG.	WATER
			ROCK DESCRIPTION			
BACKHOE		0.5	<i>SILTY CLAY, dry blocky, friable, brown</i>	<i>CL</i>		
			<i>CLAY, silty, moist, firm, grey-brown</i>			
		1.0	<i>SILTY CLAY, moist, firm, friable, yellow-brown</i>			
		1.5	<i>CLAY, sandy, moist, firm, fissured.</i>	<i>CH</i>		
		2.0	<i>mottled yellow-brown and grey. rare root remnant.</i>			
	2.5	<i>very uniform consistency, extremely easy to excavate.</i>				
	3.0					
	3.5		<i>End of excavation.</i>			



Logged	<i>Peter Dahlhaus</i>	Notes
Date	<i>12.7. '84</i>	
Checked		
Approved		
Vertical Scale	<i>1:1</i>	Sheet no.   of   Drawing no. <i>MPS-7</i>

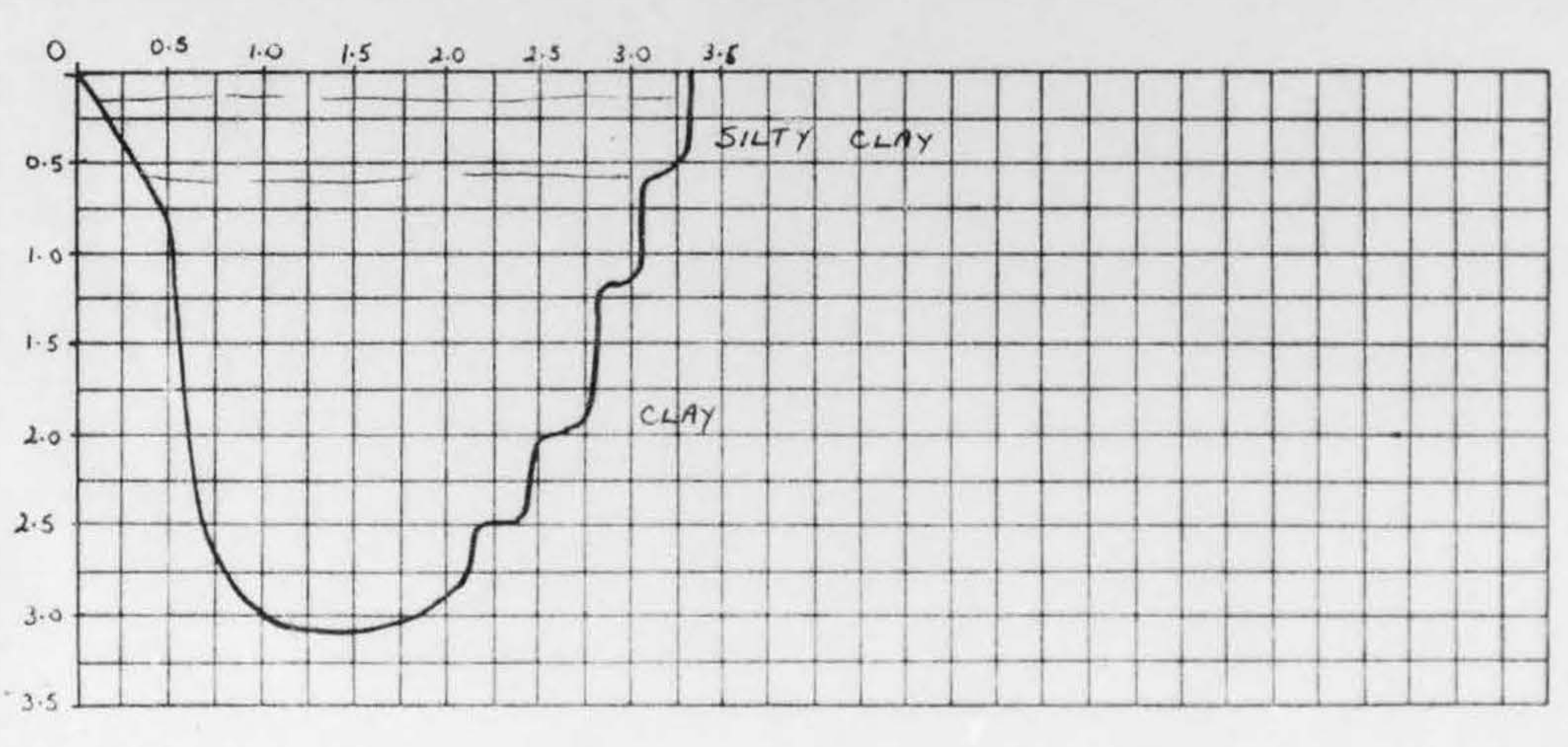
DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <u>DJERRIWAHKAH 186</u>
PROJECT <u>Proposed Cemetery at Melton, Vic.</u>	LOCATION <u>R.L. GROUND 173.46</u>	5830074.1 AMG. REF. <u>283829.8</u>
EQUIPMENT TYPE AND MODEL <u>Case 580C; 600mm Bucket.</u>		
EXCAVATION DIMENSIONS <u>3.5 m LONG 0.65 m WIDE</u>		

METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION TYPE PLASTICITY PARTICLE CHARACTERISTIC COLOUR ACCESSORY MATERIAL	SOIL USE SYMBOL	GRAPHIC LOG.	WATER
			ROCK DESCRIPTION TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS	ROCK USE SYMBOL		WATER PENETRATION STRENGTH POINT LOAD
BACKHOE		0.5	SILTY CLAY, moist friable, rd. brown.	CL	} caliche.	
		1.0	CALCAREOUS NODULES, soft, white and CLAY, grey brown, matrix.	CH		
		1.5	BASALT, H.W. cobbles, loosely packed. and	E.W. Rock		
		2.0	CLAY, moist, stiff, grey. some calcareous sand.			
		2.5	Backhoe Refused - Basalt.			
		3.0				
		3.5				



Logged	Peter Dakthaus	Notes <u>Rough sided hole Basalt cobbles tend to be plucked out rather than broken out.</u>
Date	12-7-54	
Checked		
Approved		

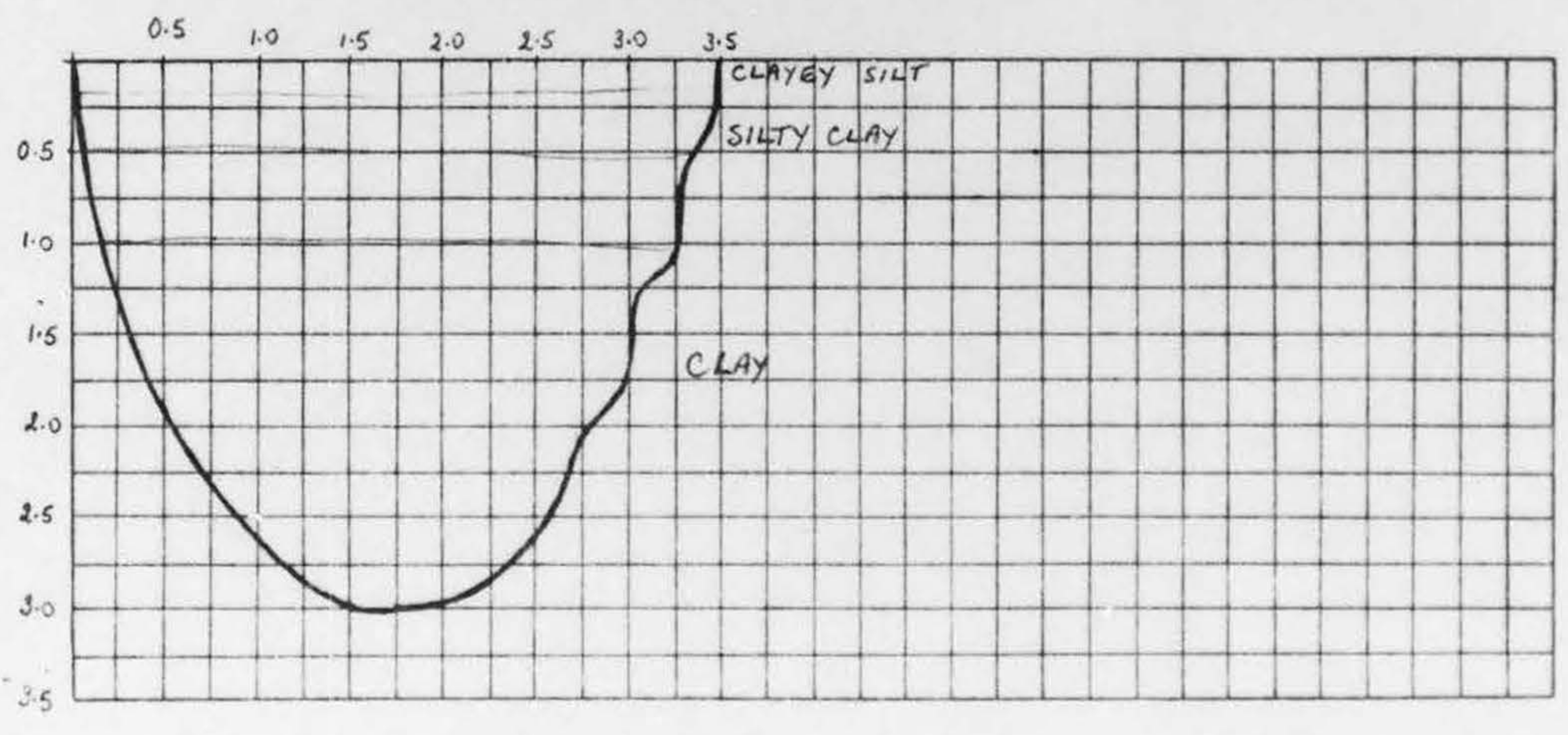
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT NO. DSEKRIWARRH 187		
PROJECT Proposed Cemetery at Melton, Vic.			LOCATION R.L. GROUND 165.73		5829418.7 AMG. REF. 293204.4	
EQUIPMENT TYPE AND MODEL Case 587C; 600mm bucket						
EXCAVATION DIMENSIONS 3.3 m LONG 0.65 m WIDE						
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL CLASSIFICATION	GRAPHIC LOG.	WATER
			TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL			
BACKHOE		0.5	SILTY CLAY, dry, blocky, dark grey.	CL	[Hand-drawn soil profile]	
		1.0	SILTY CLAY, moist, friable, yellow-brown, slightly sandy.			
		1.5	CLAY, silty, moist, stiff, grey, occasional fissure.	CH		
		2.0	CLAY, silty, moist, stiff, mottled yellow-brown and grey.			
		2.5	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. MOPS-9

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DJERRIWARRH 158
PROJECT Proposed Cemetery at Melton Vic.	LOCATION R.L. GROUND 163.26	5849201-8 AMG. REF. 283402-3
EQUIPMENT TYPE AND MODEL Case 550C; 600mm Bucket		
EXCAVATION DIMENSIONS 3.5 m LONG 0.65 m WIDE		

METHOD	EASE OF EXCAVATION	DEPTH M	SOIL DESCRIPTION	SOILS U.S.C. SYMBOL	GRAPHIC LOG.	WATER	SAND PENETROMETER 174
			TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL				
BACKHOE		0.5	CLAYEY SILT, dry, friable, brown	ML	[Hand-drawn soil profile with horizontal lines and dots representing soil layers]		
			SILTY CLAY, moist, friable, pale grey root casts and roots throughout	CL			
		1.0	SILTY CLAY, moist, friable, yellow-brown some root casts.				
		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					

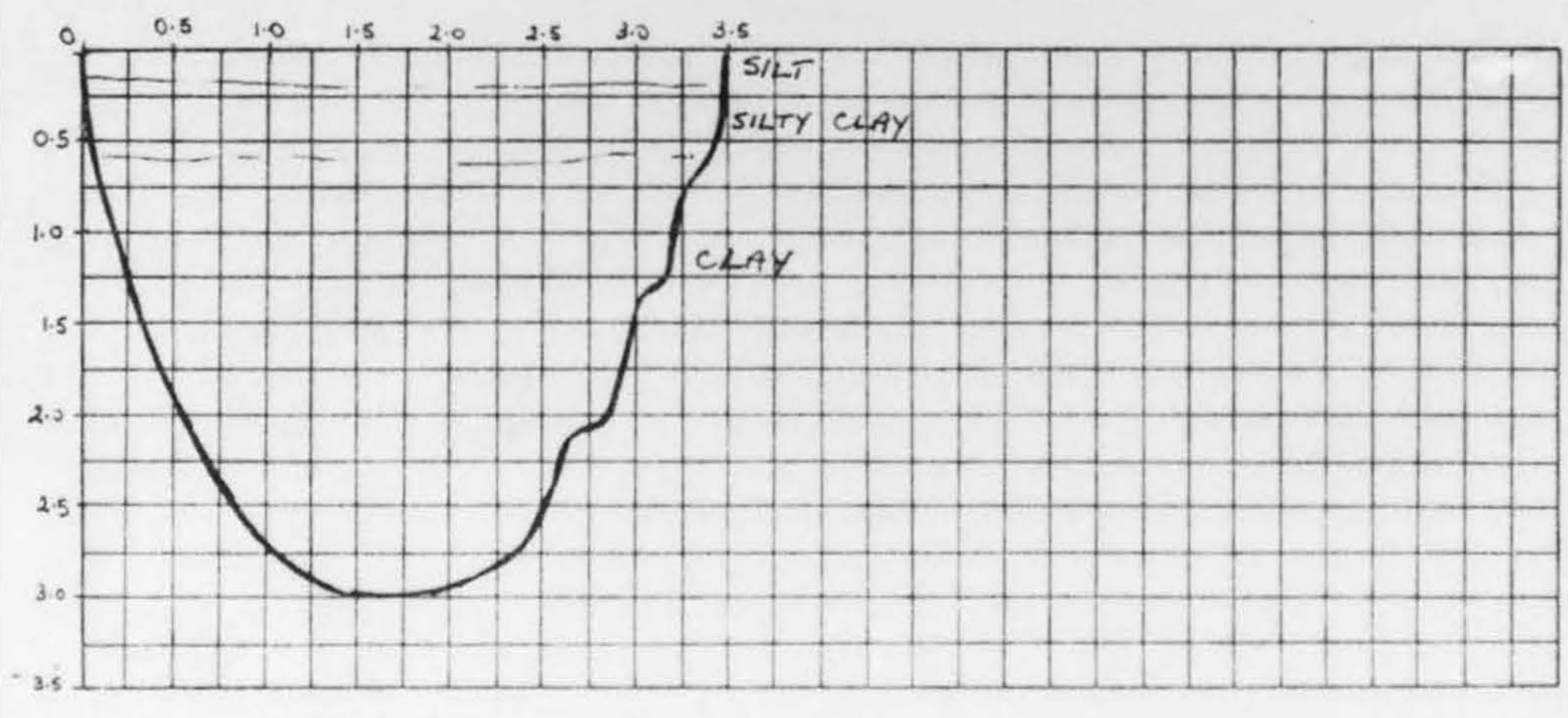


Logged	Peter Dahlhaus	Notes
Date	12.7.84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. of Drawing no. MCP-10



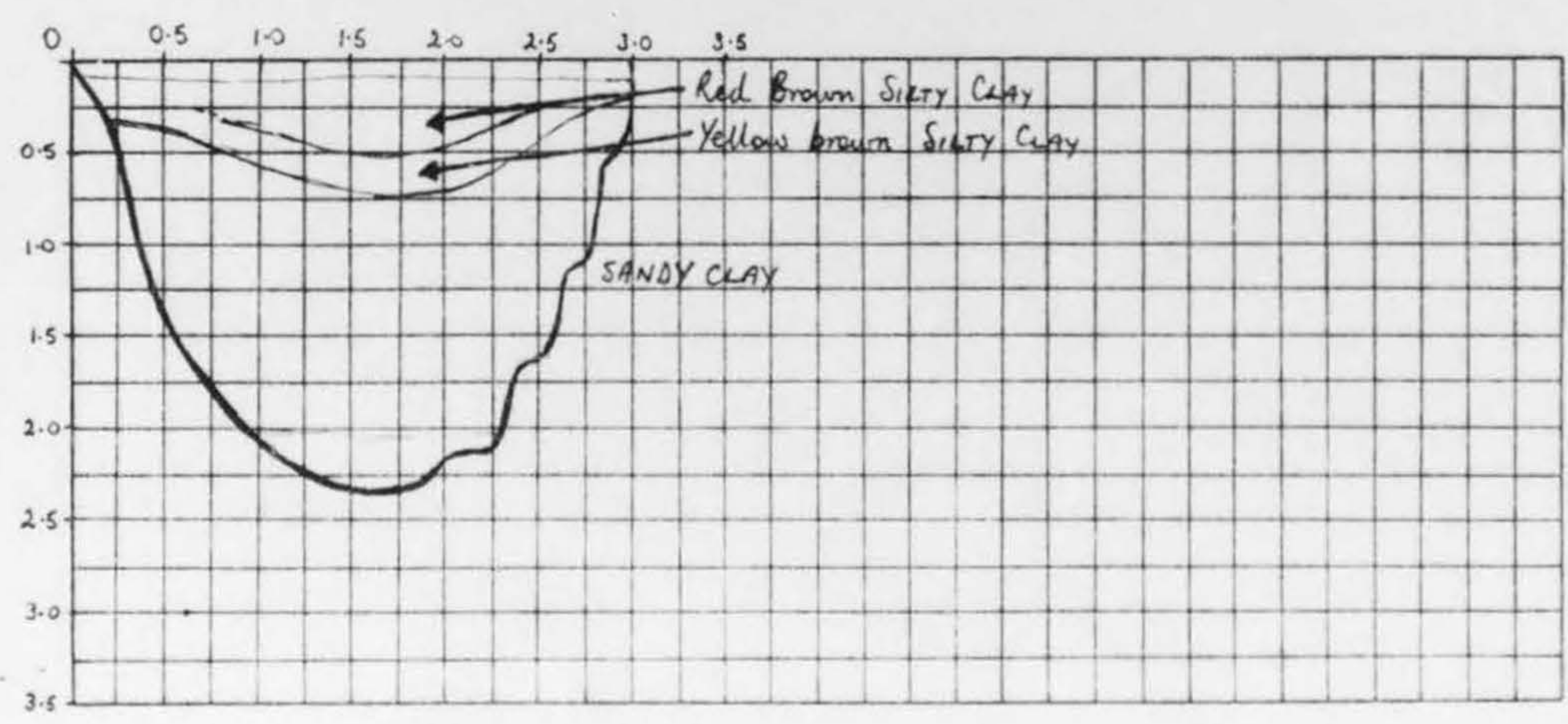
DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DJERRIWARRH 189
PROJECT Proposed Cemetery at Mellus, Vic.	LOCATION R.L. GROUND 166.78	5829547.1 AMG. REF. 283602.9
EQUIPMENT TYPE AND MODEL Case 580 C ; 600 mm Bucket.		
EXCAVATION DIMENSIONS 3.5 m LONG 0.65 m WIDE		

METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL	GRAPHIC LOG.	WATER
			TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL	NO. & S.M.C.		
			ROCK DESCRIPTION	ROCK		
			TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS	NO. & S.M.C.		
ROCK CORE		0.5	SILT, clayey, dry, friable, brown. SILTY CLAY, moist, friable red-brown some calcareous nodules at 0.6m CLAY, silty, moist stiff, fissured, grey.	CL	[Graphic Log Symbols]	
		1.0				
		1.5	CLAY, moist, stiff, abundant fissures. mottled yellow-brown and grey.	CH	[Graphic Log Symbols]	
		2.0	rare basalt cobble. fissures often stained black.		[Graphic Log Symbols]	
		2.5			[Graphic Log Symbols]	
		3.0	End of excavation.			
		3.5				



Logged	Peter Dahlhaus	Notes
Date	12.7.84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. 1 of 1
		Drawing no. MCPS-11

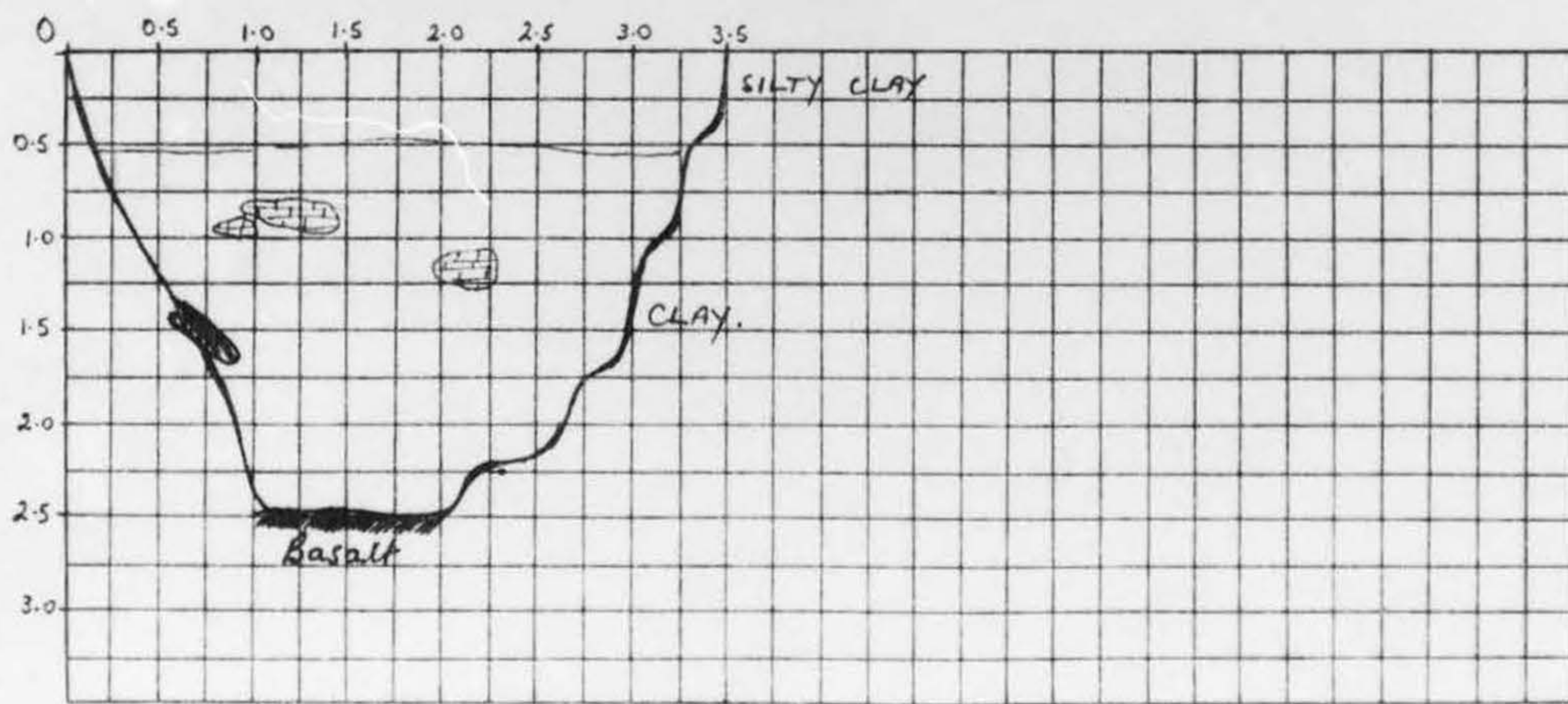
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT No. <i>DJERRIWARRI 190</i>		
PROJECT <i>Proposed Cemetery at Melton</i>		LOCATION R.L. GROUND <i>174.05</i>		5830137.0 AMG. REF. 283729.6		
EQUIPMENT TYPE AND MODEL <i>Case 580C; 600mm Bucket</i>						
EXCAVATION DIMENSIONS 3 m LONG 0.65 m WIDE						
METHOD	EASE OF EXCAVATION	DEPTH	SOIL DESCRIPTION	SOIL CLASSIFICATION	GRAPHIC LOG.	WATER
			TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR NECESSARY MATERIALS			
BACKHOE		0.0 - 0.5	SILTY CLAY, dry blocky, friable, dark red-brown	CL	} catenary profile.  - gravel is a mixture of 'iron stones' and quartz.	
		0.5 - 1.0	SILTY CLAY, moist, friable, red-brown	CH		
		1.0 - 1.5	as above, bright yellow-brown.			
		1.5 - 2.0	SANDY CLAY, moist, stiff, fissured, grey. some gravel. some fissures are sand filled.	SC		
		2.0 - 2.5	CLAY, sandy, moist, stiff, fissured, mottled yellow-brown & grey.	CH		
		2.5 - 3.5	End of Excavation.			



Logged	<i>Peter Dahlhaus</i>	Notes
Date	<i>12.7.84</i>	
Checked		
Approved		

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <i>DJERRIWARRA 191</i>
PROJECT <i>Proposed Cemetery at Melton, Vic.</i>	LOCATION R.L. GROUND <i>173.08</i>	5830041.2 AMG. REF. 283528.4
EQUIPMENT TYPE AND MODEL <i>Case 580C; boom Bucket</i>		
EXCAVATION DIMENSIONS	3.5 m LON	0.65 m WIDE

METHOD EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL	GRAPHIC LOG.	WATER	
		TYPE PLASTICITY PARTICLE CHARACTERISTICS COLOUR ACCESSORY MATERIAL	U.S.C. SYMBOL			
		ROCK DESCRIPTION	ROCK			
		TYPE TEXTURE COLOUR PRIMARY STRUCTURE MINOR COMPONENTS	U.S.C. SYMBOL			
BACKHOE	0.0 - 0.5	SILTY CLAY, dry, blocky, brown.	CL			
	0.5 - 1.0	SILTY CLAY, moist, friable, red-brown.				
	1.0 - 1.5	CLAY, silty, moist, stiff, fissured, grey, some root remnants. Some calcareous nodules at 0.9 & 1.1m.	CH			
	1.5 - 2.5	CLAY, silty, moist, stiff, fissured, mottled yellow brown & grey.				
	2.5 - 3.5	Backhoe Refusal - Basalt				



Logged	<i>Peter Dahlhaus</i>	Notes
Date	<i>12.7.84</i>	
Checked		
Approved		
Vertical Scale	<i>1:50</i>	Sheet no. <i>1</i> of <i>1</i> Drawing no. <i>MCRS-13</i>

U.R. 1984/77

For Figure 4

SEE

35 mm Jacket

GEOLOGICAL LOG OF DRILL HOLE		WELL NO. <i>DERRICKS 167</i>
LOCALITY <i>St. Mary's</i>		STATE <i>MD</i>
DATE <i>11-51</i>		WELL NO. <i>5824072.0</i>
DEPTH <i>22340.8</i>		
0	Surface	
1	10 ft. below surface	
2	20 ft. below surface	
3	30 ft. below surface	
4	40 ft. below surface	
5	50 ft. below surface	
6	60 ft. below surface	
7	70 ft. below surface	
8	80 ft. below surface	
9	90 ft. below surface	
10	100 ft. below surface	
11	110 ft. below surface	
12	120 ft. below surface	
13	130 ft. below surface	
14	140 ft. below surface	
15	150 ft. below surface	
16	160 ft. below surface	
17	170 ft. below surface	
18	180 ft. below surface	
19	190 ft. below surface	
20	200 ft. below surface	
21	210 ft. below surface	
22	220 ft. below surface	
23	230 ft. below surface	
24	240 ft. below surface	
25	250 ft. below surface	
26	260 ft. below surface	
27	270 ft. below surface	
28	280 ft. below surface	
29	290 ft. below surface	
30	300 ft. below surface	
31	310 ft. below surface	
32	320 ft. below surface	
33	330 ft. below surface	
34	340 ft. below surface	
35	350 ft. below surface	
36	360 ft. below surface	
37	370 ft. below surface	
38	380 ft. below surface	
39	390 ft. below surface	
40	400 ft. below surface	
41	410 ft. below surface	
42	420 ft. below surface	
43	430 ft. below surface	
44	440 ft. below surface	
45	450 ft. below surface	
46	460 ft. below surface	
47	470 ft. below surface	
48	480 ft. below surface	
49	490 ft. below surface	
50	500 ft. below surface	
51	510 ft. below surface	
52	520 ft. below surface	
53	530 ft. below surface	
54	540 ft. below surface	
55	550 ft. below surface	
56	560 ft. below surface	
57	570 ft. below surface	
58	580 ft. below surface	
59	590 ft. below surface	
60	600 ft. below surface	
61	610 ft. below surface	
62	620 ft. below surface	
63	630 ft. below surface	
64	640 ft. below surface	
65	650 ft. below surface	
66	660 ft. below surface	
67	670 ft. below surface	
68	680 ft. below surface	
69	690 ft. below surface	
70	700 ft. below surface	
71	710 ft. below surface	
72	720 ft. below surface	
73	730 ft. below surface	
74	740 ft. below surface	
75	750 ft. below surface	
76	760 ft. below surface	
77	770 ft. below surface	
78	780 ft. below surface	
79	790 ft. below surface	
80	800 ft. below surface	
81	810 ft. below surface	
82	820 ft. below surface	
83	830 ft. below surface	
84	840 ft. below surface	
85	850 ft. below surface	
86	860 ft. below surface	
87	870 ft. below surface	
88	880 ft. below surface	
89	890 ft. below surface	
90	900 ft. below surface	
91	910 ft. below surface	
92	920 ft. below surface	
93	930 ft. below surface	
94	940 ft. below surface	
95	950 ft. below surface	
96	960 ft. below surface	
97	970 ft. below surface	
98	980 ft. below surface	
99	990 ft. below surface	
100	1000 ft. below surface	

Depth checked with "Master" drill

35' - Check log 140  
 36' - Check log 145  
 37' - Check log 150  
 38' - Check log 155  
 39' - Check log 160

58

DEPARTMENT OF MINERALS AND ENERGY		MEDICAL COLLEGE STATION	
LOCATION <i>Raymond Quarry at Nelson St.</i>		DICKINSON 165	
PL. GRID NO. <i>16.70</i>		S&W NO. <i>5527363-0</i>	
		RUSTLE NO. <i>23226-0</i>	
14.0	14.0-14.5	14.0-14.5	14.0-14.5
14.5	14.5-15.0	14.5-15.0	14.5-15.0
15.0	15.0-15.5	15.0-15.5	15.0-15.5
15.5	15.5-16.0	15.5-16.0	15.5-16.0
16.0	16.0-16.5	16.0-16.5	16.0-16.5
16.5	16.5-17.0	16.5-17.0	16.5-17.0
17.0	17.0-17.5	17.0-17.5	17.0-17.5
17.5	17.5-18.0	17.5-18.0	17.5-18.0
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37.5	37.5-38.0	37.5-38.0	37.5-38.0
38.0	38.0-38.5	38.0-38.5	38.0-38.5
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41.5	41.5-42.0	41.5-42.0	41.5-42.0
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46.0	46.0-46.5	46.0-46.5	46.0-46.5
46.5	46.5-47.0	46.5-47.0	46.5-47.0
47.0	47.0-47.5	47.0-47.5	47.0-47.5
47.5	47.5-48.0	47.5-48.0	47.5-48.0
48.0	48.0-48.5	48.0-48.5	48.0-48.5
48.5	48.5-49.0	48.5-49.0	48.5-49.0
49.0	49.0-49.5	49.0-49.5	49.0-49.5
49.5	49.5-50.0	49.5-50.0	49.5-50.0
50.0	50.0-50.5	50.0-50.5	50.0-50.5
50.5	50.5-51.0	50.5-51.0	50.5-51.0
51.0	51.0-51.5	51.0-51.5	51.0-51.5
51.5	51.5-52.0	51.5-52.0	51.5-52.0
52.0	52.0-52.5	52.0-52.5	52.0-52.5
52.5	52.5-53.0	52.5-53.0	52.5-53.0
53.0	53.0-53.5	53.0-53.5	53.0-53.5
53.5	53.5-54.0	53.5-54.0	53.5-54.0
54.0	54.0-54.5	54.0-54.5	54.0-54.5
54.5	54.5-55.0	54.5-55.0	54.5-55.0
55.0	55.0-55.5	55.0-55.5	55.0-55.5
55.5	55.5-56.0	55.5-56.0	55.5-56.0
56.0	56.0-56.5	56.0-56.5	56.0-56.5
56.5	56.5-57.0	56.5-57.0	56.5-57.0
57.0	57.0-57.5	57.0-57.5	57.0-57.5
57.5	57.5-58.0	57.5-58.0	57.5-58.0
58.0	58.0-58.5	58.0-58.5	58.0-58.5
58.5	58.5-59.0	58.5-59.0	58.5-59.0
59.0	59.0-59.5	59.0-59.5	59.0-59.5
59.5	59.5-60.0	59.5-60.0	59.5-60.0
60.0	60.0-60.5	60.0-60.5	60.0-60.5
60.5	60.5-61.0	60.5-61.0	60.5-61.0
61.0	61.0-61.5	61.0-61.5	61.0-61.5
61.5	61.5-62.0	61.5-62.0	61.5-62.0
62.0	62.0-62.5	62.0-62.5	62.0-62.5
62.5	62.5-63.0	62.5-63.0	62.5-63.0
63.0	63.0-63.5	63.0-63.5	63.0-63.5
63.5	63.5-64.0	63.5-64.0	63.5-64.0
64.0	64.0-64.5	64.0-64.5	64.0-64.5
64.5	64.5-65.0	64.5-65.0	64.5-65.0
65.0	65.0-65.5	65.0-65.5	65.0-65.5
65.5	65.5-66.0	65.5-66.0	65.5-66.0
66.0	66.0-66.5	66.0-66.5	66.0-66.5
66.5	66.5-67.0	66.5-67.0	66.5-67.0
67.0	67.0-67.5	67.0-67.5	67.0-67.5
67.5	67.5-68.0	67.5-68.0	67.5-68.0
68.0	68.0-68.5	68.0-68.5	68.0-68.5
68.5	68.5-69.0	68.5-69.0	68.5-69.0
69.0	69.0-69.5	69.0-69.5	69.0-69.5
69.5	69.5-70.0	69.5-70.0	69.5-70.0
70.0	70.0-70.5	70.0-70.5	70.0-70.5
70.5	70.5-71.0	70.5-71.0	70.5-71.0
71.0	71.0-71.5	71.0-71.5	71.0-71.5
71.5	71.5-72.0	71.5-72.0	71.5-72.0
72.0	72.0-72.5	72.0-72.5	72.0-72.5
72.5	72.5-73.0	72.5-73.0	72.5-73.0
73.0	73.0-73.5	73.0-73.5	73.0-73.5
73.5	73.5-74.0	73.5-74.0	73.5-74.0
74.0	74.0-74.5	74.0-74.5	74.0-74.5
74.5	74.5-75.0	74.5-75.0	74.5-75.0
75.0	75.0-75.5	75.0-75.5	75.0-75.5
75.5	75.5-76.0	75.5-76.0	75.5-76.0
76.0	76.0-76.5	76.0-76.5	76.0-76.5
76.5	76.5-77.0	76.5-77.0	76.5-77.0
77.0	77.0-77.5	77.0-77.5	77.0-77.5
77.5	77.5-78.0	77.5-78.0	77.5-78.0
78.0	78.0-78.5	78.0-78.5	78.0-78.5
78.5	78.5-79.0	78.5-79.0	78.5-79.0
79.0	79.0-79.5	79.0-79.5	79.0-79.5
79.5	79.5-80.0	79.5-80.0	79.5-80.0
80.0	80.0-80.5	80.0-80.5	80.0-80.5
80.5	80.5-81.0	80.5-81.0	80.5-81.0
81.0	81.0-81.5	81.0-81.5	81.0-81.5
81.5	81.5-82.0	81.5-82.0	81.5-82.0
82.0	82.0-82.5	82.0-82.5	82.0-82.5
82.5	82.5-83.0	82.5-83.0	82.5-83.0
83.0	83.0-83.5	83.0-83.5	83.0-83.5
83.5	83.5-84.0	83.5-84.0	83.5-84.0
84.0	84.0-84.5	84.0-84.5	84.0-84.5
84.5	84.5-85.0	84.5-85.0	84.5-85.0
85.0	85.0-85.5	85.0-85.5	85.0-85.5
85.5	85.5-86.0	85.5-86.0	85.5-86.0
86.0	86.0-86.5	86.0-86.5	86.0-86.5
86.5	86.5-87.0	86.5-87.0	86.5-87.0
87.0	87.0-87.5	87.0-87.5	87.0-87.5
87.5	87.5-88.0	87.5-88.0	87.5-88.0
88.0	88.0-88.5	88.0-88.5	88.0-88.5
88.5	88.5-89.0	88.5-89.0	88.5-89.0
89.0	89.0-89.5	89.0-89.5	89.0-89.5
89.5	89.5-90.0	89.5-90.0	89.5-90.0
90.0	90.0-90.5	90.0-90.5	90.0-90.5
90.5	90.5-91.0	90.5-91.0	90.5-91.0
91.0	91.0-91.5	91.0-91.5	91.0-91.5
91.5	91.5-92.0	91.5-92.0	91.5-92.0
92.0	92.0-92.5	92.0-92.5	92.0-92.5
92.5	92.5-93.0	92.5-93.0	92.5-93.0
93.0	93.0-93.5	93.0-93.5	93.0-93.5
93.5	93.5-94.0	93.5-94.0	93.5-94.0
94.0	94.0-94.5	94.0-94.5	94.0-94.5
94.5	94.5-95.0	94.5-95.0	94.5-95.0
95.0	95.0-95.5	95.0-95.5	95.0-95.5
95.5	95.5-96.0	95.5-96.0	95.5-96.0
96.0	96.0-96.5	96.0-96.5	96.0-96.5
96.5	96.5-97.0	96.5-97.0	96.5-97.0
97.0	97.0-97.5	97.0-97.5	97.0-97.5
97.5	97.5-98.0	97.5-98.0	97.5-98.0
98.0	98.0-98.5	98.0-98.5	98.0-98.5
98.5	98.5-99.0	98.5-99.0	98.5-99.0
99.0	99.0-99.5	99.0-99.5	99.0-99.5
99.5	99.5-100.0	99.5-100.0	99.5-100.0

DEPARTMENT OF MINERALS AND ENERGY		MEDICAL COLLEGE STATION	
LOCATION <i>Raymond Quarry at Nelson St.</i>		DICKINSON 165	
PL. GRID NO. <i>16.70</i>		S&W NO. <i>5527363-0</i>	
		RUSTLE NO. <i>23226-0</i>	
24	24.0-24.5	24.0-24.5	24.0-24.5
25	25.0-25.5	25.0-25.5	25.0-25.5
26	26.0-26.5	26.0-26.5	26.0-26.5
27	27.0-27.5	27.0-27.5	27.0-27.5
28	28.0-28.5	28.0-28.5	28.0-28.5
29	29.0-29.5	29.0-29.5	29.0-29.5
30	30.0-30.5	30.0-30.5	30.0-30.5
31	31.0-31.5	31.0-31.5	31.0-31.5
32	32.0-32.5	32.0-32.5	32.0-32.5
33	33.0-33.5	33.0-33.5	33.0-33.5
34	34.0-34.5	34.0-34.5	34.0-34.5
35	35.0-35.5	35.0-35.5	35.0-35.5
36	36.0-36.5	36.0-36.5	36.0-36.5
37	37.0-37.5	37.0-37.5	37.0-37.5
38	38.0-38.5	38.0-38.5	38.0-38.5
39	39.0-39.5	39.0-39.5	39.0-39.5
40	40.0-40.5	40.0-40.5	40.0-40.5
41	41.0-41.5	41.0-41.5	41.0-41.5
42	42.0-42.5	42.0-42.5	42.0-42.5
43	43.0-43.5	43.0-43.5	43.0-43.5
44	44.0-44.5	44.0-44.5	

DEPARTMENT OF MARINE AND FISHERY		SECTIONAL LOG OF DRILL HOLE		HOLE NO. <u>DISENCHAN 155</u>	
LOCATION <u>Bay of Islands, vicinity of Kishinouye Is.</u>		NO. <u>582435-C</u>		DATE <u>252276-C</u>	
DEPTH	SOIL DESCRIPTION	SOIL	WATER SAMPLES	ROCK WATER SAMPLES	REMARKS
0-1	dry, coarse, sand to silty fine, brown mottled yellow-brown and gray				
1-2	gray increasing with depth				
2-3					
3-4					
4-5					
5-6					
6-7					
7-8					
8-9					
9-10					
10-11					
11-12					
12-13					
13-14					
14-15					
15-16					
16-17					
17-18					
18-19					
19-20					
20-21					
21-22					
22-23					
23-24					
24-25					
25-26					
26-27					
27-28					
28-29					
29-30					
30-31					
31-32					
32-33					
33-34					
34-35					
35-36					
36-37					
37-38					
38-39					
39-40					
40-41					
41-42					
42-43					
43-44					
44-45					
45-46					
46-47					
47-48					
48-49					
49-50					
50-51					
51-52					
52-53					
53-54					
54-55					
55-56					
56-57					
57-58					
58-59					
59-60					
60-61					
61-62					
62-63					
63-64					
64-65					
65-66					
66-67					
67-68					
68-69					
69-70					
70-71					
71-72					
72-73					
73-74					
74-75					
75-76					
76-77					
77-78					
78-79					
79-80					
80-81					
81-82					
82-83					
83-84					
84-85					
85-86					
86-87					
87-88					
88-89					
89-90					
90-91					
91-92					
92-93					
93-94					
94-95					
95-96					
96-97					
97-98					
98-99					
99-100					

DEPARTMENT OF MARINE AND FISHERY		SECTIONAL LOG OF DRILL HOLE		HOLE NO. <u>DISENCHAN 155</u>	
LOCATION <u>Bay of Islands, vicinity of Kishinouye Is.</u>		NO. <u>582435-C</u>		DATE <u>252276-C</u>	
DEPTH	SOIL DESCRIPTION	SOIL	WATER SAMPLES	ROCK WATER SAMPLES	REMARKS
0-1	dry, coarse, sand to silty fine, brown mottled yellow-brown and gray				
1-2	gray increasing with depth				
2-3					
3-4					
4-5					
5-6					
6-7					
7-8					
8-9					
9-10					
10-11					
11-12					
12-13					
13-14					
14-15					
15-16					
16-17					
17-18					
18-19					
19-20					
20-21					
21-22					
22-23					
23-24					
24-25					
25-26					
26-27					
27-28					
28-29					
29-30					
30-31					
31-32					
32-33					
33-34					
34-35					
35-36					
36-37					
37-38					
38-39					
39-40					
40-41					
41-42					
42-43					
43-44					
44-45					
45-46					
46-47					
47-48					
48-49					
49-50					
50-51					
51-52					
52-53					
53-54					
54-55					
55-56					
56-57					
57-58					
58-59					
59-60					
60-61					
61-62					
62-63					
63-64					
64-65					
65-66					
66-67					
67-68					
68-69					
69-70					
70-71					
71-72					
72-73					
73-74					
74-75					
75-76					
76-77					
77-78					
78-79					
79-80					
80-81					
81-82					
82-83					
83-84					
84-85					
85-86					
86-87					
87-88					
88-89					
89-90					
90-91					
91-92					
92-93					
93-94					
94-95					
95-96					
96-97					
97-98					
98-99					
99-100					

60





DEPARTMENT OF MINERALS AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. <i>Discarded 169</i>	
LOCATION <i>Project Quarry at Nelson St.</i>		HOLE NO. <i>5829499.1</i>		DATE <i>12/27/54</i>	
DEPTH FEET	CORRECTION FEET	ELEVATION FEET	LITHOLOGY	SOIL	
				NO. OF SAMPLES	NO. OF TESTS
			ROCK MASS EFFECTS		
			FRACTURE FREQUENCY		
			WEATHERING		
0.0					
0.1					
0.2					
0.3					
0.4					
0.5					
0.6					
0.7					
0.8					
0.9					
1.0					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2.0					
2.1					
2.2					
2.3					
2.4					
2.5					
2.6					
2.7					
2.8					
2.9					
3.0					
3.1					
3.2					
3.3					
3.4					
3.5					
3.6					
3.7					
3.8					
3.9					
4.0					
4.1					
4.2					
4.3					
4.4					
4.5					
4.6					
4.7					
4.8					
4.9					
5.0					
5.1					
5.2					
5.3					
5.4					
5.5					
5.6					
5.7					
5.8					
5.9					
6.0					
6.1					
6.2					
6.3					
6.4					
6.5					
6.6					
6.7					
6.8					
6.9					
7.0					
7.1					
7.2					
7.3					
7.4					
7.5					
7.6					
7.7					
7.8					
7.9					
8.0					
8.1					
8.2					
8.3					
8.4					
8.5					
8.6					
8.7					
8.8					
8.9					
9.0					
9.1					
9.2					
9.3					
9.4					
9.5					
9.6					
9.7					
9.8					
9.9					
10.0					

DEPARTMENT OF MINERALS AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. <i>Discarded 169</i>	
LOCATION <i>Project Quarry at Nelson St.</i>		HOLE NO. <i>5829499.1</i>		DATE <i>12/27/54</i>	
DEPTH FEET	CORRECTION FEET	ELEVATION FEET	LITHOLOGY	SOIL	
				NO. OF SAMPLES	NO. OF TESTS
			ROCK MASS EFFECTS		
			FRACTURE FREQUENCY		
			WEATHERING		
0.0					
0.1					
0.2					
0.3					
0.4					
0.5					
0.6					
0.7					
0.8					
0.9					
1.0					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2.0					
2.1					
2.2					
2.3					
2.4					
2.5					
2.6					
2.7					
2.8					
2.9					
3.0					
3.1					
3.2					
3.3					
3.4					
3.5					
3.6					
3.7					
3.8					
3.9					
4.0					
4.1					
4.2					
4.3					
4.4					
4.5					
4.6					
4.7					
4.8					
4.9					
5.0					
5.1					
5.2					
5.3					
5.4					
5.5					
5.6					
5.7					
5.8					
5.9					
6.0					
6.1					
6.2					
6.3					
6.4					
6.5					
6.6					
6.7					
6.8					
6.9					
7.0					
7.1					
7.2					
7.3					
7.4					
7.5					
7.6					
7.7					
7.8					
7.9					
8.0					
8.1					
8.2					
8.3					
8.4					
8.5					
8.6					
8.7					
8.8					
8.9					
9.0					
9.1					
9.2					
9.3					
9.4					
9.5					
9.6					
9.7					
9.8					
9.9					
10.0					







DEPARTMENT OF MINES AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. <u>D224000004 173</u>	
LOCATION <u>Spring Creek, north of Afton, W.</u>		HOLE NO. <u>585002-1</u>		HOLE NO. <u>293723-2</u>	
DEPTH FEET	ROCK DESCRIPTION TYPE, GRAIN, COLOR, WEATHERING, etc.	DIAGRAM LITHOLOGY	TESTS AND OTHER DATA	REMARKS	LOG NO.
0-10	Light gray, sandy shale	[Lithology diagram showing alternating layers of sandstone and shale]			
10-20	Light gray, sandy shale				
20-30	Light gray, sandy shale				
30-40	Light gray, sandy shale				
40-50	Light gray, sandy shale				
50-60	Light gray, sandy shale				
60-70	Light gray, sandy shale				
70-80	Light gray, sandy shale				
80-90	Light gray, sandy shale				
90-100	Light gray, sandy shale				
100-110	Light gray, sandy shale				
110-120	Light gray, sandy shale				
120-130	Light gray, sandy shale				
130-140	Light gray, sandy shale				
140-150	Light gray, sandy shale				
150-160	Light gray, sandy shale				
160-170	Light gray, sandy shale				
170-180	Light gray, sandy shale				
180-190	Light gray, sandy shale				
190-200	Light gray, sandy shale				
200-210	Light gray, sandy shale				
210-220	Light gray, sandy shale				
220-230	Light gray, sandy shale				
230-240	Light gray, sandy shale				
240-250	Light gray, sandy shale				
250-260	Light gray, sandy shale				
260-270	Light gray, sandy shale				
270-280	Light gray, sandy shale				
280-290	Light gray, sandy shale				
290-300	Light gray, sandy shale				
300-310	Light gray, sandy shale				
310-320	Light gray, sandy shale				
320-330	Light gray, sandy shale				
330-340	Light gray, sandy shale				
340-350	Light gray, sandy shale				
350-360	Light gray, sandy shale				
360-370	Light gray, sandy shale				
370-380	Light gray, sandy shale				
380-390	Light gray, sandy shale				
390-400	Light gray, sandy shale				
400-410	Light gray, sandy shale				
410-420	Light gray, sandy shale				
420-430	Light gray, sandy shale				
430-440	Light gray, sandy shale				
440-450	Light gray, sandy shale				
450-460	Light gray, sandy shale				
460-470	Light gray, sandy shale				
470-480	Light gray, sandy shale				
480-490	Light gray, sandy shale				
490-500	Light gray, sandy shale				

DEPARTMENT OF MINES AND ENERGY		GEOLOGICAL LOG OF DRILL HOLE		HOLE NO. <u>D224000004 173</u>	
LOCATION <u>Spring Creek, north of Afton, W.</u>		HOLE NO. <u>585002-1</u>		HOLE NO. <u>293723-2</u>	
DEPTH FEET	ROCK DESCRIPTION TYPE, GRAIN, COLOR, WEATHERING, etc.	DIAGRAM LITHOLOGY	TESTS AND OTHER DATA	REMARKS	LOG NO.
0-10	Light gray, sandy shale	[Lithology diagram showing alternating layers of sandstone and shale]			
10-20	Light gray, sandy shale				
20-30	Light gray, sandy shale				
30-40	Light gray, sandy shale				
40-50	Light gray, sandy shale				
50-60	Light gray, sandy shale				
60-70	Light gray, sandy shale				
70-80	Light gray, sandy shale				
80-90	Light gray, sandy shale				
90-100	Light gray, sandy shale				
100-110	Light gray, sandy shale				
110-120	Light gray, sandy shale				
120-130	Light gray, sandy shale				
130-140	Light gray, sandy shale				
140-150	Light gray, sandy shale				
150-160	Light gray, sandy shale				
160-170	Light gray, sandy shale				
170-180	Light gray, sandy shale				
180-190	Light gray, sandy shale				
190-200	Light gray, sandy shale				
200-210	Light gray, sandy shale				
210-220	Light gray, sandy shale				
220-230	Light gray, sandy shale				
230-240	Light gray, sandy shale				
240-250	Light gray, sandy shale				
250-260	Light gray, sandy shale				
260-270	Light gray, sandy shale				
270-280	Light gray, sandy shale				
280-290	Light gray, sandy shale				
290-300	Light gray, sandy shale				
300-310	Light gray, sandy shale				
310-320	Light gray, sandy shale				
320-330	Light gray, sandy shale				
330-340	Light gray, sandy shale				
340-350	Light gray, sandy shale				
350-360	Light gray, sandy shale				
360-370	Light gray, sandy shale				
370-380	Light gray, sandy shale				
380-390	Light gray, sandy shale				
390-400	Light gray, sandy shale				
400-410	Light gray, sandy shale				
410-420	Light gray, sandy shale				
420-430	Light gray, sandy shale				
430-440	Light gray, sandy shale				
440-450	Light gray, sandy shale				
450-460	Light gray, sandy shale				
460-470	Light gray, sandy shale				
470-480	Light gray, sandy shale				
480-490	Light gray, sandy shale				
490-500	Light gray, sandy shale				

DEPARTMENT OF COMMERCE AND TRADE		REGULATIONS FOR DRILL HOLES		WELL NO. <u>DICARAWAN 174</u>													
Name <u>Applied Geology and Well No.</u>		Date <u>28 30004-3</u>		Well No. <u>274001-0</u>													
WELL DESCRIPTION USE BLOCK TO SHOW LOCATION OF WELL OR OTHER MARKS		WELL LOG		WELL DATA WELL DEPTH WELL DIAMETER WELL TYPE													
01	CLAY SAND	CL		<table border="1"> <tr> <td>Depth from 0'</td> <td>Linear Strata</td> <td>25</td> <td>25</td> </tr> <tr> <td>Water level 25'</td> <td>25'</td> <td>25'</td> <td>25'</td> </tr> <tr> <td>Pressure 100'</td> <td>100'</td> <td>100'</td> <td>100'</td> </tr> </table>		Depth from 0'	Linear Strata	25	25	Water level 25'	25'	25'	25'	Pressure 100'	100'	100'	100'
Depth from 0'	Linear Strata	25				25											
Water level 25'	25'	25'				25'											
Pressure 100'	100'	100'				100'											
02	CLAY SAND small pebbles dark brown	CR															
03	CLAY SAND small pebbles yellow-brown	CR															
04	CLAY SAND small pebbles grey-brown	CR															
05	CLAY SAND small pebbles grey	GC															
06	CLAY SAND small pebbles grey	GC															
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99	CLAY SAND small pebbles grey	GC															
100	CLAY SAND small pebbles grey	GC															

APPENDIX 2  
Excavation Logs

DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT NO. DERRIWARAH 113	
PROJECT Proposed Cemetery at Melton, Vic.		LOCATION R.L. GROUND 155.20		ANG. REF. 59° 45' 40" 2738440	
EQUIPMENT TYPE AND MODEL Case 580 C; 600mm bucket.					
EXCAVATION DIMENSIONS 2.0m LONG 0.45m WIDE					
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION		WATER
			TYPE OF SOIL	CHARACTERISTICS	
MORNING		0-0.5	SILTY CLAY moist, friable, red-brown	CL	
		0.5-1.0	SILTY CLAY, moist, very soft, dark brown, scattered nodules of 200-300mm BASALT, 4.0% and 4.0% flint.	CH	
		1.0-1.5	Basalt Refused		
		2.0			
		2.5			
		3.0			
		3.5			

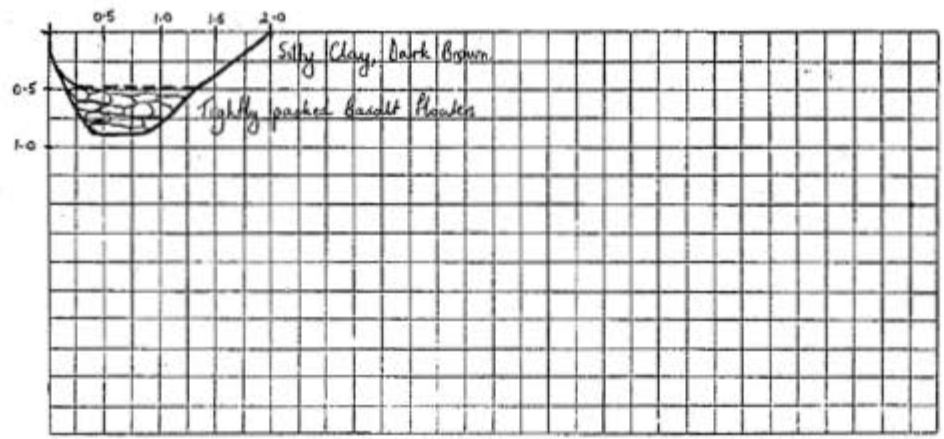
  

Logged	PC D. Williams	Notes Insufficient Depth for burial.
Date	7.5.84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no 1 of 1 Drawing no. MCP/1



DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <u>DJERRIWARAH 116</u>
PROJECT <u>Proposed Cemetery at Nelson, Vic.</u>	LOCATION R.L. GROUND <u>158.70</u>	59 24 555-C AMG. REF. <u>283560-0</u>
EQUIPMENT TYPE AND MODEL <u>Case 580C 600mm Bucket</u>		
EXCAVATION DIMENSIONS <u>2.0m LONG 0.6m WIDE</u>		

METHOD OF EXCAVATION	DEPTH m	SOIL DESCRIPTION THESE ARE THE STRATA FOUND CHARACTERISTICS OF SOILS AND ROCKS	SOIL NO.	GRAPHIC LOG.	WATER
BACKHOE	0-0.5	SILTY CLAY, moist, friable, Dark brown.	LN		
	0.5-1.0	Basalt, flatter, tightly packed CALCAREOUS nodules.	H.W.		
	1.0	Bankhoo refect.			



Logged	P.G. Dakkhana	Notes <u>Insufficient Depth for Burial</u>
Date	7-5-84.	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. 1 of 1 Drawing no. <u>MCP 2</u>

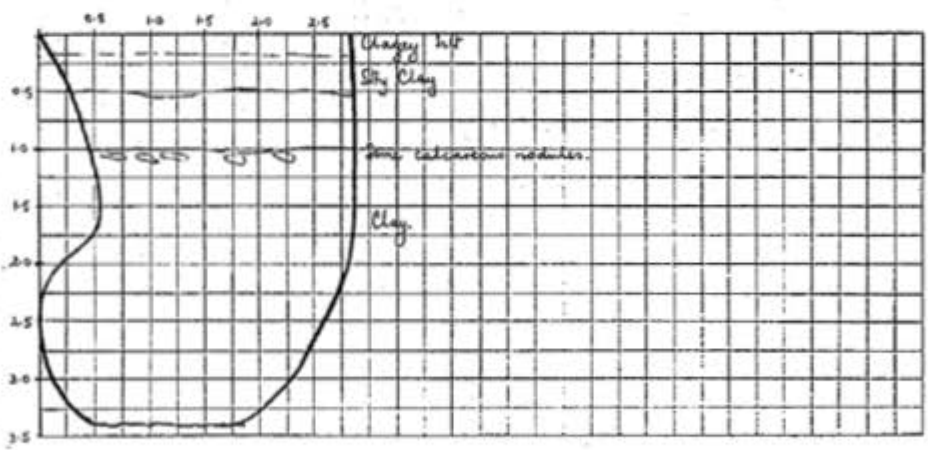
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT NO. <u>DJERRAWARRAH 119</u>	
PROJECT <u>Proposed Cemetery at Melton, Vic.</u>		LOCATION <u>R.L. GROUND 161.10</u>		<u>5925598.0</u> AMG. REF. <u>293260.0</u>	
EQUIPMENT TYPE AND MODEL <u>Case 580 C 600 mm Bucket</u>					
EXCAVATION DIMENSIONS		<u>3.0 m LONG</u>		<u>0.6 m WIDE</u>	
METHOD	BASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	GRAPHIC LOG.	WATER
			<small>TYPE, COLOR, MOISTURE, CHARACTERISTICS, COLOUR, ORGANIC MATERIALS</small> <small>TYPE, COLOR, MOISTURE, CHARACTERISTICS</small>		
METHOD NUMBER		0.5	CLAYEY SILT, dry, friable red-brown	ML	
		1.0	SILTY CLAY, moist, stiff, dark red-brown	CL	
		1.5	SILTY CLAY, moist, stiff, grey-brown	CH	
		2.0	CLAY, moist, stiff, fissured, grey, slightly mottled with orange-brown	CH	
		2.5	black coatings (dendrite-like) on fissure surfaces, spherulites		
		3.0	Calcareous nodules around 1.0 m.		
		3.0	End of pit.		
		3.5			

Logged	<u>P. Dabham</u>	Notes <u>Very early excavated. A "clean" smooth-sided pit.</u>
Date	<u>7.5.84</u>	
Checked		
Approved		
Vertical Scale	<u>1:50</u>	Sheet no. <u>1</u> of <u>1</u> Drawing no. <u>MEP 3</u>

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <u>DIERRIWARRH 122</u>
PROJECT <u>Proposed Cemetery at Moller, Vic.</u>	LOCATION R.L. GROUND <u>163.70</u>	AMG. REF. <u>53 28638.0</u> <u>282915.0</u>
EQUIPMENT TYPE AND MODEL <u>Case 580 C 600mm Bucket</u>		
EXCAVATION DIMENSIONS <u>2.7 m LONG 0.6 m WIDE</u>		

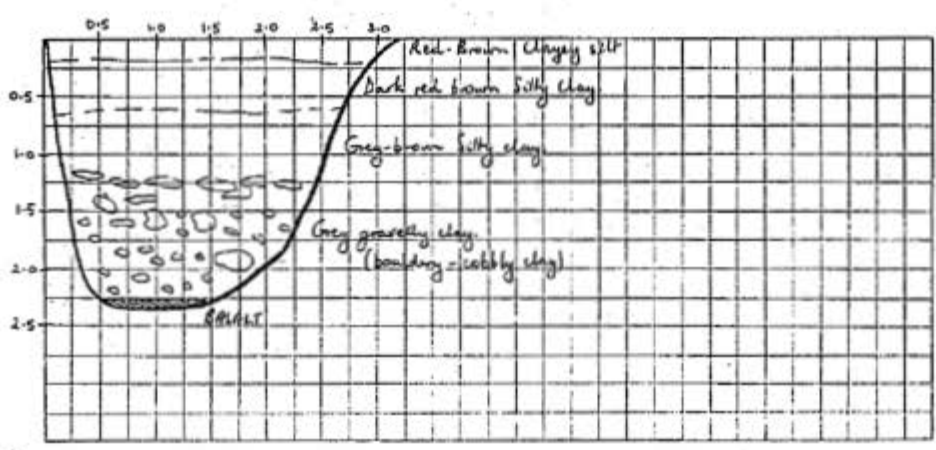
METHOD	EASE OF EXCAVATION	DEPTH m	DESCRIPTION TYPE OF SOIL COLOR MOISTURE SPECIAL FEATURES	S.O.C.	GRAPHIC LOG.	WATER	
						LEVEL	TEMPERATURE
BACKHOO		0.0	CLAYEY SILT, clay, middle red-brown	Mt	[Hand-drawn graphic log showing soil layers with varying textures and colors]		
		0.5	SILTY CLAY, moist, stiff, dark red-brown	Cl			
		1.0	CLAY, silty, moist, stiff grey-brown some carbonate nodules around 1.0m	Cl			
		1.5	CLAY, moist, stiff, fissured.				
		2.0	grey with occasional yellow-brown mottling.				
		2.5	slickensides on fissure surfaces obvious.	Cl			
		3.0					
		3.5	End of pit.				
		4.0					




Logged	<u>P. Dehlihan</u>	Notes
Date	<u>7. 5. 54</u>	
Checked		
Approved		
Vertical Scale	<u>1:50</u>	Sheet no.   of   Drawing no. <u>MCF 6</u>

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG	PIT No. DERRIWARAH 125
PROJECT Proposed Cemetery at Melton. Vic	LOCATION R.L. GROUND 16.9.70	6528674-G ANG. REF. 282670-0
EQUIPMENT TYPE AND MODEL Case 580C 600mm bucket		
EXCAVATION DIMENSIONS 2.8 m LONG 0.65 m WIDE		

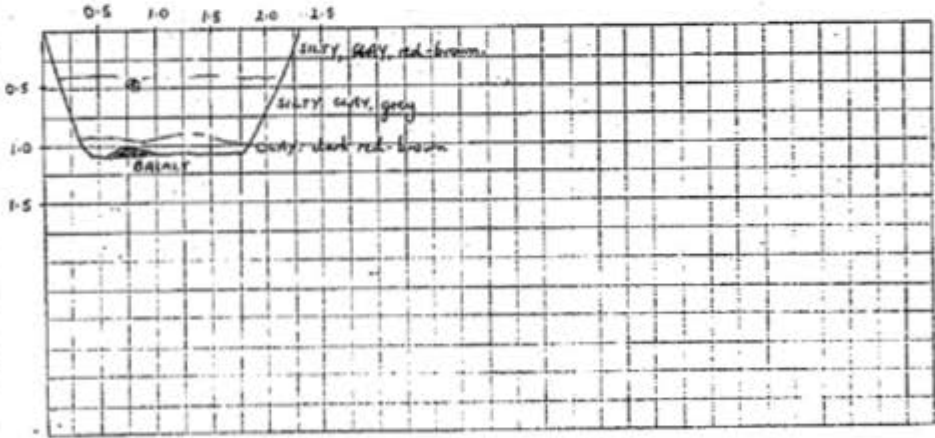
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION TYPE, GRAIN SIZE, MOISTURE, COHESION, PLASTICITY, etc.	CLASSIFICATION	GRAPHIC LOG	WATER	
						PERCENTAGE	DEPTH (m)
BACKHOE		0-0.5	CLAYEY SILT, sandy, red-brown	ML			
		0.5-1.0	SILTY CLAY, moist, stiff, dark red-brown	CL			
		1.0-1.5	SILTY CLAY, moist, stiff, grey-brown	CH			
		1.5-2.0	As above, with many CALCAREOUS nodules, BASALT, 70mm cubes, three or four pieces up to around 200mm size.	GC			
		2.0-2.5	Extremely weathered BASALT	E.W.			
		2.5-3.0	Backhoe Refusal.				



Logged	P. Dalihans	Notes Reasonably smooth-sided hole, some areas rough where splinters were plucked out
Date	7.5.84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. 1 of 1 Drawing no. M.P.S.

DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG		PLOT NO. <u>DJERAWAH 132</u>	
PROJECT <u>Proposed Cemetery at Melton, Va.</u>		LOCATION R.L. GROUND <u>158.9</u>		E.S. <u>9718.0</u> A.M.D. REF. <u>29299.0</u>	
EQUIPMENT TYPE AND MODEL <u>Case 580 C 600 mm bucket</u>					
EXCAVATION DIMENSIONS <u>2.3 m LONG 0.65 m WIDE</u>					
METHOD CASE OF EXCAVATION	DEPTH IN	SOIL DESCRIPTION	GRAPHIC LOG.	WATER	REMARKS
		SOIL DESCRIPTION			
	0.5	SILTY CLAY, dark red-brown	CL		
	1.0	SILTY CLAY, mottled yellow-brown & grey Calcareous nodules of 0.8- 1.2 mm diam. <u>limonite</u> flecks	CH		
	1.0	CLAY, dark red-brown			
	1.5	Backhoe Refusal - Basalt.			
	2.0				
	2.5				
	3.0				

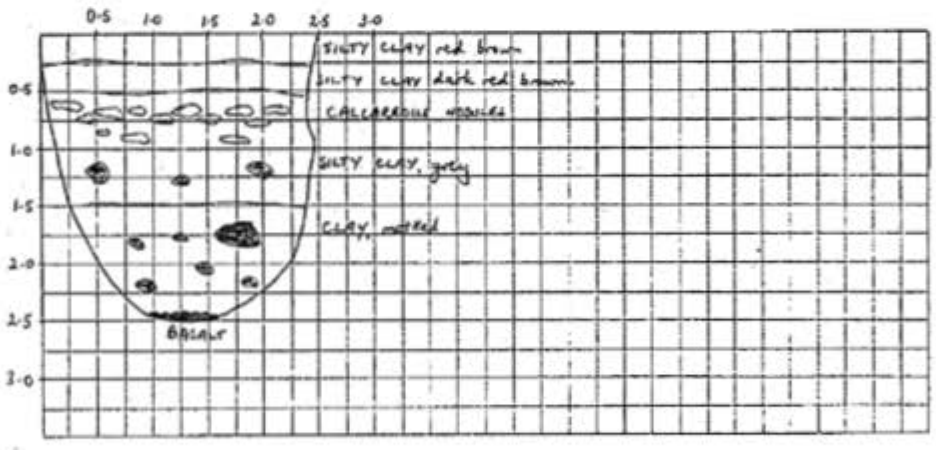
  



Logged	J. Gudd	Notes <u>Too shallow to meet requirements for burial.</u>
Date	10. 5. 54	
Checked	P. Dalheim	
Approved		
Scale of Drawing	1:50	MCP 15

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DJERRIBARRA 133
PROJECT Proposed Cemetery at Melba St. R.L. GROUND 162.70	LOCATION	582752.0 AMG. REF. 222542.0
EQUIPMENT TYPE AND MODEL Case 590 C 600 mm bucket		
EXCAVATION DIMENSIONS	2.5 m LONG 0.45 m WIDE	

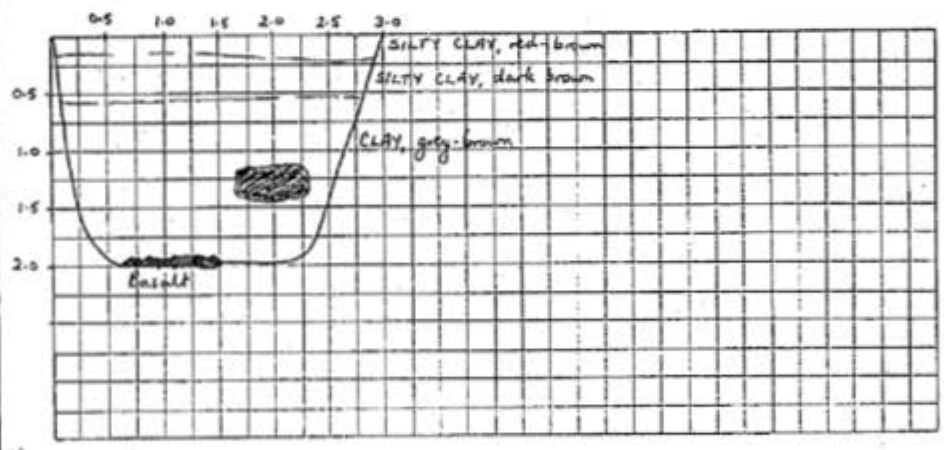
METHOD	BASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	LITHO	GRAPHIC LOG.	WATER
			SOIL DESCRIPTION TYPE, COLOR, GRAIN, STRUCTURE, MOISTURE, etc.			
WORKED		0.5	SILTY CLAY, moist, friable, red-brown	CL		
		0.5	SILTY CLAY, moist, friable, dark red-brown			
		0.8	SILTY CLAY, moist, stiff, grey, calcareous nodules of 0.5-1.0m Basalt flinders throughout	CH		
		1.5	CLAY, silty, moist, stiff, mottled yellow-brown & grey. Basalt flinders throughout from 4.0mm to 4.00 mm size.	CL		
		2.0	CLAY, silty, moist, stiff, mottled yellow-brown & grey. Basalt flinders throughout from 4.0mm to 4.00 mm size.	CL		
	2.5	Basalt flinders, Basalt "flinders"				
	3.0					



Logged	P. DeLithans	NOTES A rough hole as many flinders have been plucked from the sides.
Date	7.5.64	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. 1 of 1 Drawing no. MCP 12

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. D3ERRWARRH 134
PROJECT Proposed Cemetery at Melton Vic.	LOCATION R.L. GROUND 161.30	52 28 141.0 AMG. REF. 28 296.0
EQUIPMENT TYPE AND MODEL Case 580 C 600 mm	EXCAVATION DIMENSIONS 3.0 m LONG 0.65 m WIDE	

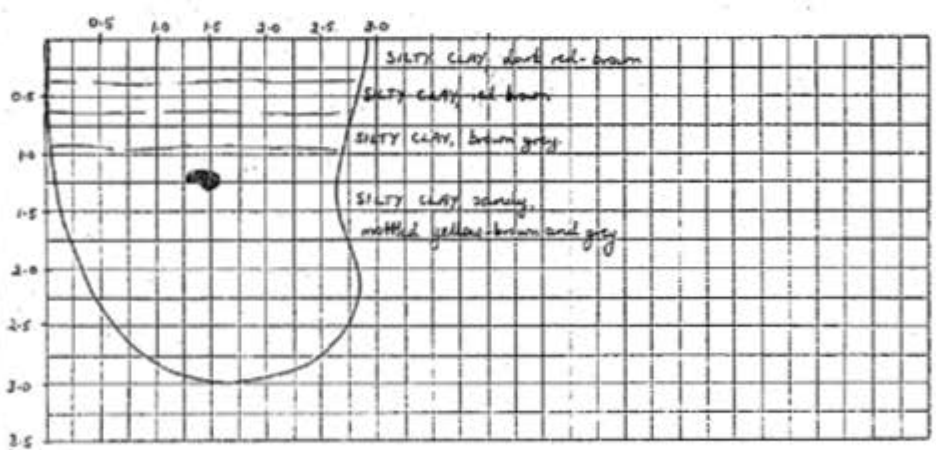
METHOD	DEPTH m	DESCRIPTION	GRAPHIC LOG.	WATER
WORKED	0.5	SILTY CLAY, moist, friable, red brown SILTY CLAY, moist, stiff, dark brown Some basalt "flinders" to visible size.	CL	
	1.0	CLAY, silty, moist, stiff, grey brown.	CH to GC	
	1.5	calcareous nodules 650mm to 850mm "flinders" throughout visible size. One 600mm x 400mm at 1.2m.		
	2.0	Reveal on large flinder.		
	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 II

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. <i>DJERRIWARAH 135</i>
PROJECT <i>Proposed Cemetery at Melton, Vic.</i>	LOCATION R.L. GROUND <i>165.00</i>	52° 27' 54.0 ANG. REF. 212748.0
EQUIPMENT TYPE AND MODEL <i>Case 580 c 600 mm bucket</i>	EXCAVATION DIMENSIONS <i>2.9 m LONG 0.65 m WIDE</i>	

METHOD BASE OF EXCAVATION	DEPTH E	DESCRIPTION	CLASSIFICATION	GRAPHIC LOG.	WATER	
					LEVEL	TEMP.
D A C K H O E	0.0					
	0.5	<i>SILTY CLAY, moist, stiff, dark red-brown</i>	CL	[Hand-drawn profile]		
		<i>SILTY CLAY, moist, stiff, red-brown</i>				
	1.0	<i>SILTY CLAY, moist, stiff, brown-grey some calcareous sand</i>	CH			
	1.5	<i>SILTY CLAY, sandy, moist, stiff,</i>				
2.0	<i>mottled yellow-brown and grey, sand mainly quartz, some "bushes"</i>					
2.5	<i>Basalt gravel to 60 mm throughout one basalt flake 200 mm at 1.2 m</i>					
3.0						
3.5						

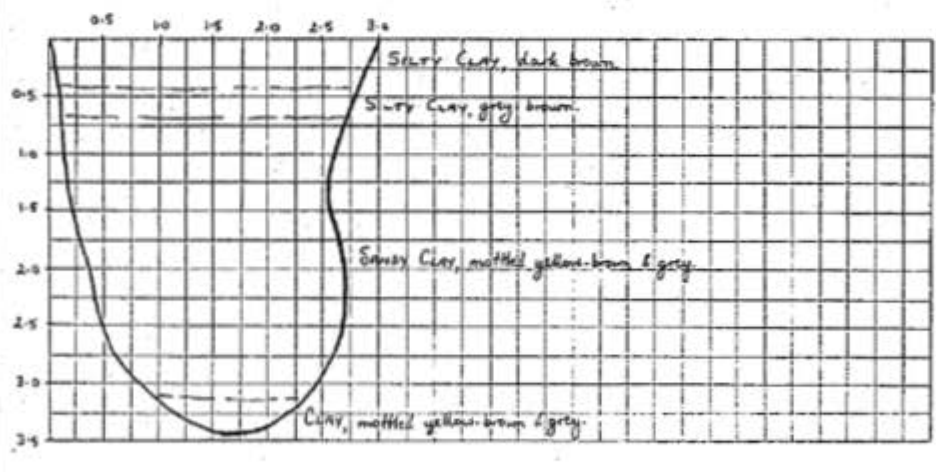


Logged	<i>P. Dahlhaus</i>	Notes <i>Smooth-sided hole. Very easily excavated.</i>
Date	<i>7. 5. '84</i>	
Checked		
Approved		
Vertical Scale	<i>1:50</i>	Sheet no. <i>1</i> of <i>1</i> Drawing no. <i>MCP 10</i>



DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <u>DJERRIBARRA 136</u>
PROJECT <u>Proposed Cemetery at Melton Vic.</u>	LOCATION R.L. GROUND <u>165.32</u>	SP. 2588 7-0 ANG. REF. 282702.0
EQUIPMENT TYPE AND MODEL <u>Case 580 C. 600mm Bucket</u>		
EXCAVATION DIMENSIONS <u>3.1 m LONG 0.65 m WIDE</u>		

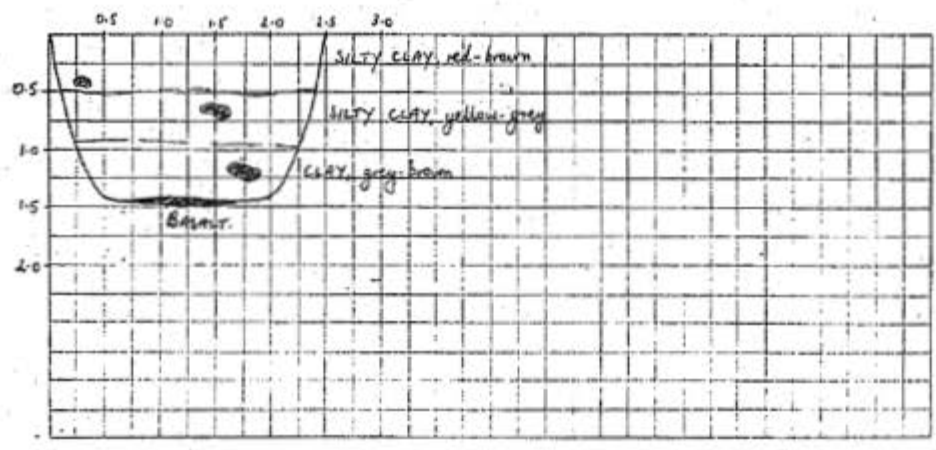
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	GRAPHIC LOG.	WATER
			SOIL DESCRIPTION		
K C P R O O	█	0-0.5	SILTY CLAY, moist, stiff. dark brown	█	█
		0.5-1.0	SILTY CLAY, moist, stiff, grey-brown silty sand, silty sand, 0.7m		
		1.0-1.5	SANDY CLAY, silty, moist, stiff, fissured.		
		1.5-2.0	mottled yellow-brown and grey. sand fraction is fine white quartz.		
		2.0-3.5	CLAY, silty, moist, stiff, mottled yellow-brown and grey.		
		4.0			



Logged	<u>P. Dahlhaus</u>	Notes <u>Very easily excavated to 3m.</u>
Date	<u>7.5.84.</u>	
Checked Approved		
Vertical Scale	<u>1:50</u>	Sheet no. <u>1</u> of <u>1</u> Drawing no. <u>MCF 7</u>

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DJERRAJIRAH 143
PROJECT Proposed Cemetery at Melton Vic.	LOCATION R.L. GROUND 162.10	AMB. REF. 58-3714.0 29.5-188.0
EQUIPMENT TYPE AND MODEL Case 550C	690mm bucket	
EXCAVATION DIMENSIONS 2.5 m LONG 0.65 m WIDE		

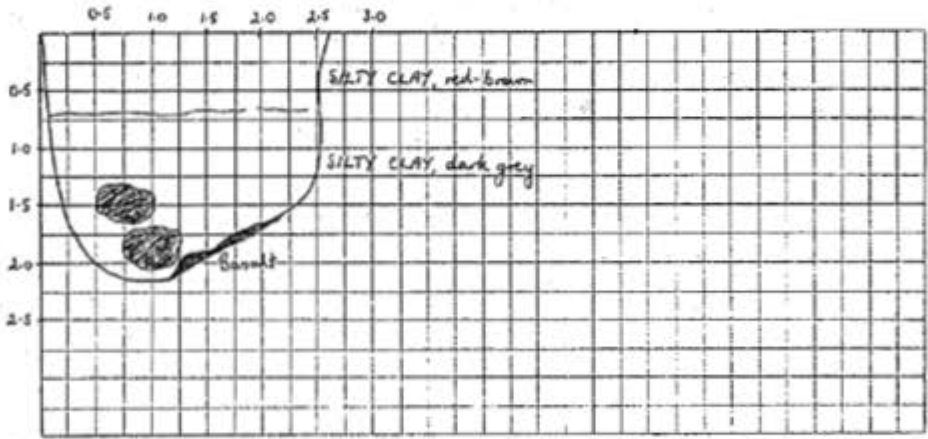
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION TYPE SILT PERCENTAGE CLAY PERCENTAGE SPECIAL FEATURES	CLASSIFICATION	GRAPHIC LOG.	WATER
		0-0.5	SILTY CLAY, red-brown	CL		
		0.5-1.0	SILTY CLAY, mottled light yellow grey calcareous zone at around 0.7	CH		
		1.0-1.5	CLAY, grey-brown some basalt flecks.			
		1.5-2.0	Banker refusal.			



Logged	J. Girdl	NOTES Borderline excavation for burial of one coffin. (Minimum requirement is 1250 mm)
Date	10.5.84.	
Checked	P. Dahlhaus	
Approved		
Vertical scale	1:50	Horizontal scale
		MCP 16

DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.	PIT No. <b>DJERONMARK 145</b>
PROJECT <b>Proposed Cemetery at Melton Vic</b>		LOCATION	<b>5823458-0</b>
EQUIPMENT TYPE AND MODEL <b>Case 580C 600mm bucket</b>		R.L. GROUND <b>164.30</b>	AMG. REF. <b>233624.0</b>
EXCAVATION DIMENSIONS		<b>2.6 m LONG</b>	<b>0.65 m WIDE</b>

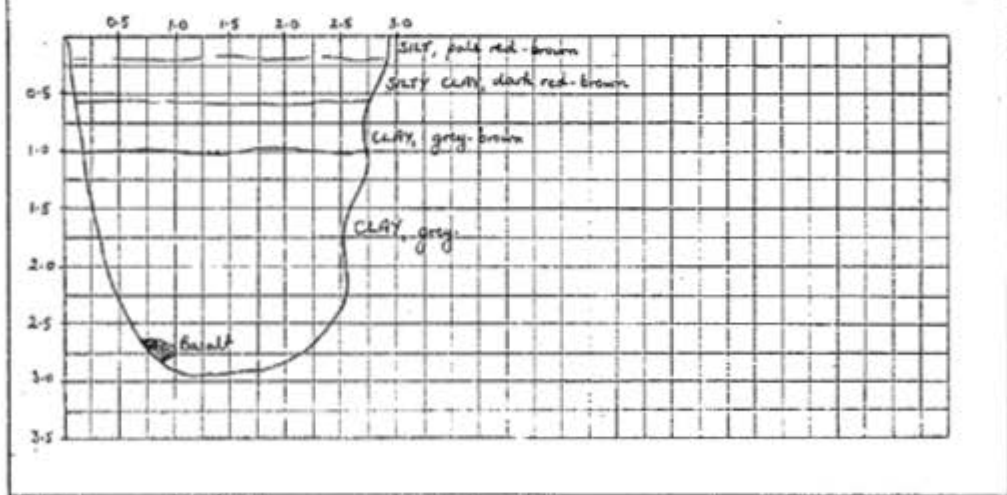
METHOD	DEPTH OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL CLASSIFICATION	GRAPHIC LOG.	WATER
			SOIL DESCRIPTION ON THE OTHER SIDE			
		0.5	SILTY CLAY, moist, blocky, very stiff, dark red-brown	LL		
		1.0	SILTY CLAY, moist, friable, stiff, dark grey.	CH		
		1.5	calcareous nodules of 100mm Basalt "flakes" throughout.			
		2.0	500mm size flatters at 1.5 & 1.8m			
		2.5	Refusal on Basalt "flatter"			
		3.0				



Logged	<b>P. Dabtham</b>	Notes <b>Bucket refusal on large Basalt "flatter". (presumed)</b>
Date	<b>7. 5. '84</b>	
Checked		
Approved		
Vertical Scale	<b>1:50</b>	Sheet no. <b>1</b> of <b>1</b> Drawing no. <b>MCP13</b>

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. <i>DJERRIN 148</i>
PROJECT <i>Proposed Cemetery at Melton, Vic.</i>	LOCATION R.L. GROUND <i>163.40</i>	5829497.0 AMG. REF. 283324.0
EQUIPMENT TYPE AND MODEL <i>Case 580 C 600mm bucket.</i>	EXCAVATION DIMENSIONS <i>2.9 m LONG 0.65 m WIDE</i>	

METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION TYPE, LOCATION, PARASITE LOCALITY, STRIKE, DIPPING SPECIAL FEATURES	CLASS.	GRAPHIC LOG.	WATER
MCP 12	-	0.0 - 0.5	SILT, silty, dry, mottled pale red-brown SANDY CLAY, moist, stiff, dark red-brown	AL CL	[Hand-drawn profile of the excavation]	-
		0.5 - 1.0	CLAY, silty, moist, stiff, grey-brown some calcareous nodules	CH		
		1.0 - 2.0	CLAY, moist, stiff, fissured, grey slightly mottled with orange-brown. Fissures show slickensided surfaces, some black staining (like dendrites)	CH		
		2.0 - 2.5	Basalt "floaters" 200mm to 300mm size at 2.7m.			
		2.5 - 3.0				
3.0 - 3.5						

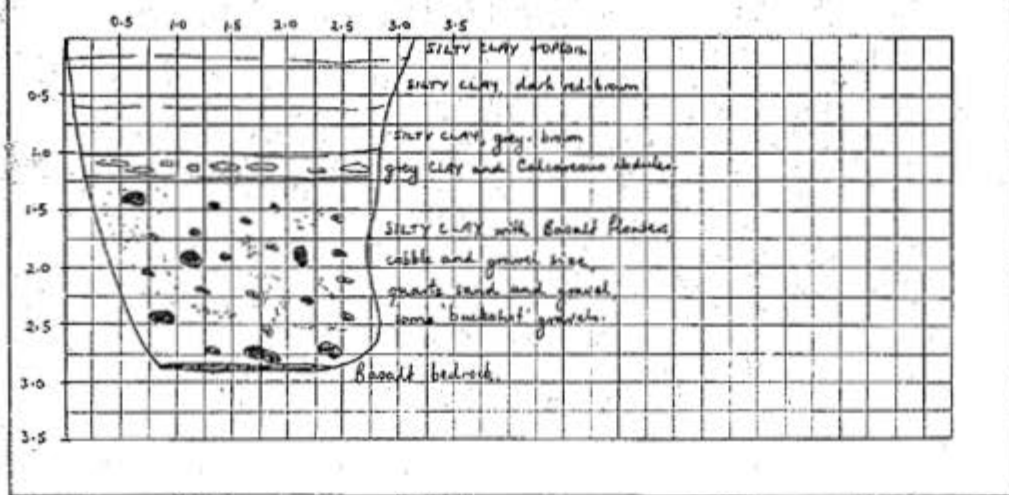


Logged	<i>P. Dahlhaus</i>	Notes <i>Extremely easy digging to over 2.0 m</i>
Date	<i>7. 5. '84</i>	
Checked		
Approved		
Vertical Scale	<i>1:50</i>	Sheet no <i>1</i> of <i>1</i>   Drawing no. <i>MCP 12</i>

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DSKRIWARAN 151
PROJECT Proposed Cemetery at Melton Vic.	LOCATION R.L. GROUND 165.10	AMG. REF. 5824034-0 298026-0
EQUIPMENT TYPE AND MODEL Case 580 C 600mm bucket		
EXCAVATION DIMENSIONS 3.3 m LONG 0.65m WIDE		

METHOD EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION TYPE CLASSIFICATION LOCAL NAME(S) COLOR REMARKS	CLASSIFICATION	GRAPHIC LOG.	WATER
ROCK	0-0.5	SILTY CLAY, moist, brick, red-brown	CL		
	0.5-1.0	SILTY CLAY, moist, shlf, dark red-brown	CH		
	1.0-1.5	SILTY CLAY, moist, shlf, grey-brown	CH		
	1.5-2.0	CLAY silty, grey, calcareous nodules	CH		
	2.0-2.5	SILTY CLAY, sandy, gravelly, moist, shlf, grey, pockets of sand throughout, gtz sand appearing occasionally layered, gravel mix of gtz, basalt, 'bucket' gravel	CH or GC		
	3.0	Basalt residual - basalt			

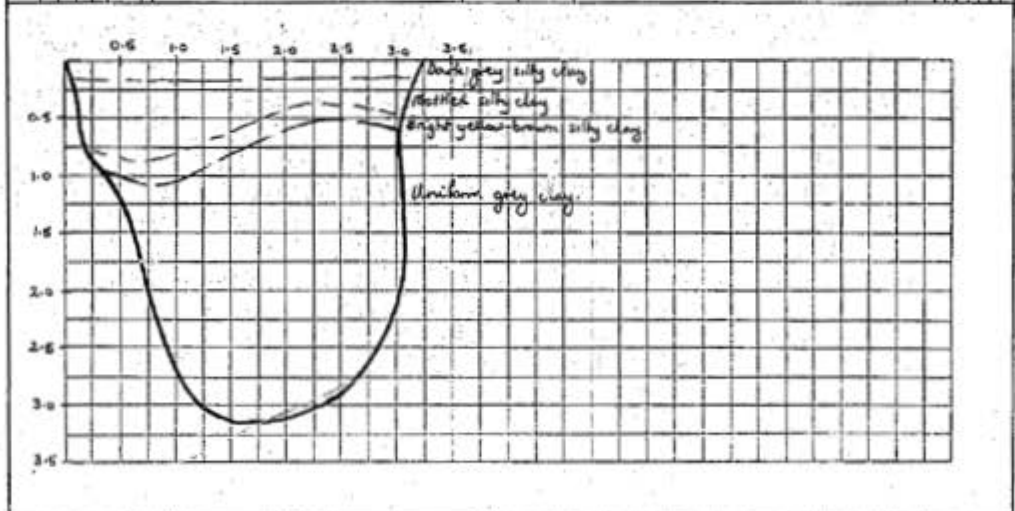
Basalt 'floaters' up to 150mm from 12m.  
Soil open-textured in sandier parts with remnant root tracks.



Logged	P. Dahlhaus	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. <u>DJERAWAH 154</u>
PROJECT <u>Proposed Cemetery at Melton, Vic.</u>	LOCATION <u>R.L. GROUND 165.80</u>	AMG. REF. <u>9829074.0</u> <u>282736.0</u>
EQUIPMENT TYPE AND MODEL <u>Case 580 C 600 mm Bucket.</u>		
EXCAVATION DIMENSIONS <u>3.5 m LONG 0.45 m WIDE</u>		

METHOD	EASE OF EXCAVATION	DEPTH #	SOIL DESCRIPTION	LITH. SYMBOL	GRAPHIC LOG.	WATER
			THE HORIZONTAL STRATA CHARACTER OF LAYER AND STRUCTURE.			
BACK HOE		0.5	SILTY CLAY, moist, stiff, dark grey.	CH	[Hand-drawn graphic log showing soil layers with varying patterns]	
			SILTY CLAY, moist, stiff mottled yellow-brown & grey	CH		
		1.0	SILTY CLAY, moist, stiff, bright yellow-brown			
		1.5	CLAY, moist, stiff, fissured, grey.	CH		
		2.0				
		2.5				
		3.0				
		3.5				



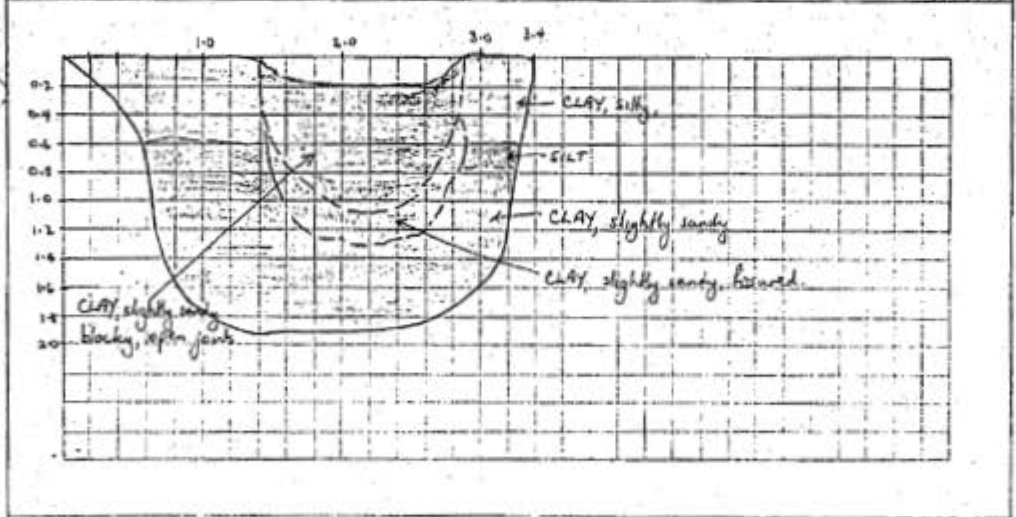
Logged	<u>P. Dohthaus</u>	Notes <u>Extremely easy to excavate. Smooth-sided pit. Soil horizons form an obvious catenary boundary.</u>
Date	<u>7. 5. '84</u>	
Checked		
Approved		
Vertical Scale	<u>1:50</u>	Sheet no. <u>1</u> of <u>1</u> Drawing no. <u>MCD 5</u>

DEPARTMENT OF MINERALS AND ENERGY EXCAVATION L-30 PIT NO. DTEARRWARA 175

PROJECT Proposed Cemetery at Nelson V.L. LOCATION H.L. GROUND 169.88

EQUIPMENT TYPE AND MODEL AMG. REF. 55500107 282879.3

METHOD	EASE OF EXCAVATION	DEPTH m	EXCAVATION DIMENSIONS		GRAPHIC LOG	WATER
			m LONG	m WIDE		
		0.0			Material in Subsided portion.	
		0.4			CLAY, slightly sandy, dry to moist, blocky brown.	
		0.6			open jointed, some 20mm wide, many tree roots.	
		0.8			SILT, clayey for silty material throughout.	
		1.0			CLAY, slightly sandy, moist, stiff, yellow brown.	
		1.2			becomes mottled yellow-brown and grey around 1.3m.	
		1.4			CLAY, slightly sandy, fissured, moist, stiff, yellow-brown, very open textured. Some fine roots also.	
		1.6				
		1.8				



Logged P. Dohthaus Notes  
 Date 10.5.84  
 Checked  
 Approved  
 Scale of Figure 1:20

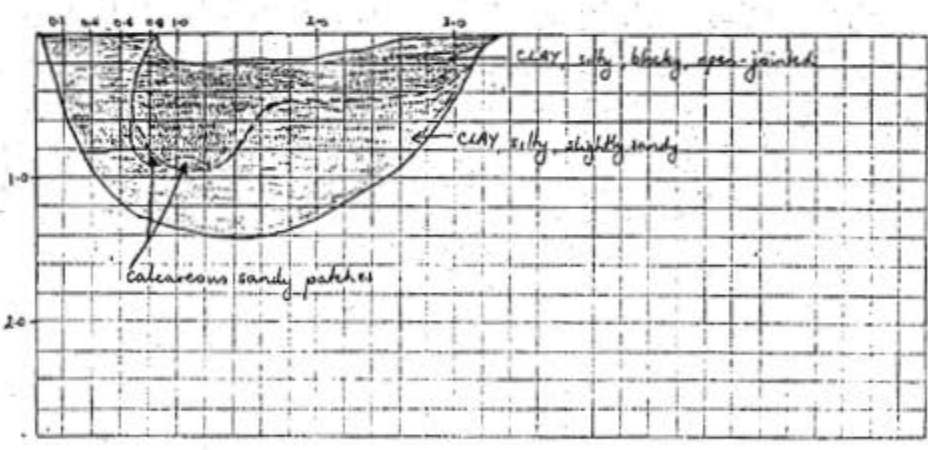
DEPARTMENT OF MINERALS AND ENERGY EXCAVATION LOG. PIT No. DERRILWARRH 176

PROJECT Proposed Cemetery at Milton Vic. R.L. GROUND 167.88 LOCATION AND REF. 525 3010.7 22-279.3

EQUIPMENT TYPE AND MODEL EXCAVATION DIMENSIONS m LONG m WIDE

METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	GRAPHIC LOG.	WATER
			TYPE, PLASTICITY, MOISTURE CHARACTERISTICS, COLOR, APPROPRIATE NOTATION		
MOTOR GRAB		0-0.2	CLAY, silty, moist, stiff, friable, dark yellow-brown.		
		0.2-0.4			
		0.4-0.8	CLAY, silty, moist, stiff, greenish-yellow brown, slightly sandy.		
		0.8-1.0			
		1.0-1.2			
		1.2-1.4			
		1.4-1.6			
		1.6-1.8			

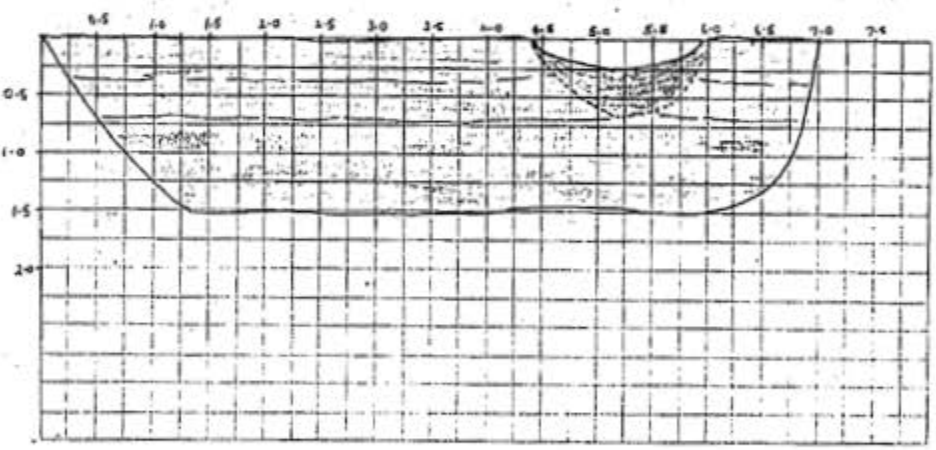
Material in subsided patch.  
 CLAY, silty, moist (near dry) very stiff, blocky brown, open jointed, some calcareous patches (sandy) at the base.



Logged P. Dalkans Date 10.5.84 Notes  
 Checked Approved  
 1:20 Sub. No. 2



DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG		PIT NO. DERRIWARA 177	
PROJECT <i>Improved Cemetery at Malpas Vic.</i>		LOCATION R.L. GROUND 169.48		AMG. REF. 52-1110-3 28-2872-8	
EQUIPMENT TYPE AND MODEL					
EXCAVATION DIMENSIONS					
METHOD	BASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	GRAPHIC LOG	WATER
			ROCK DESCRIPTION		
DERRIWARA		0-2	SILTY CLAY, sandy, gravelly, moist, very stiff, friable, browned yellow-brown.	Material in Subsided section. CLAY, silty, sandy. Dry, blocky, open jointed beds, dark yellow-brown. some organic material.	
		0-4	CLAY, silty, moist, stiff, yellow-brown.		
		0-6			
		0-8	CLAY, silty, moist, stiff,		
		1-0	mottled yellow-brown & grey,		
		1-2	slightly sandy.		
		1-4			
		1-6			
	1-8				



Logged	P. Dahlmann	Notes
Date	10-5-84	
Checked		
Approved		
Vertical Scale	1:20	Sub No. 3

DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT No DSEERDAREN 175	
PROJECT: Improved Cemetery at Melton V.		LOCATION: R.L. GROUND 168.45		AMD. 292472.0 REF. 292231.3	
EQUIPMENT TYPE AND MODEL					
EXCAVATION DIMENSIONS					
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	GRAPHIC LOG.	WATER
			NOTE DESCRIPTION		
MOHR	Pitney - 1 to 3.	0.5	CLAYEY SILT, sandy, moist, friable dark grey, some roots		
		1.0	CLAY, silty, moist, stiff, brownish-green, slightly sandy.		
		1.5	CLAY, silty, moist, stiff, brownish-green, slightly sandy.		
		2.0	SANDY CLAY, moist, very stiff, mottled brick-red and grey.		
		2.5	SANDY CLAY, moist, very stiff, mottled brick-red and grey.		
		3.0			

Logged	P. Dohitans	Notes
Date	10.5.84	
Checked		
Approved		
Vertical scale	1:50	Subs. No. 4

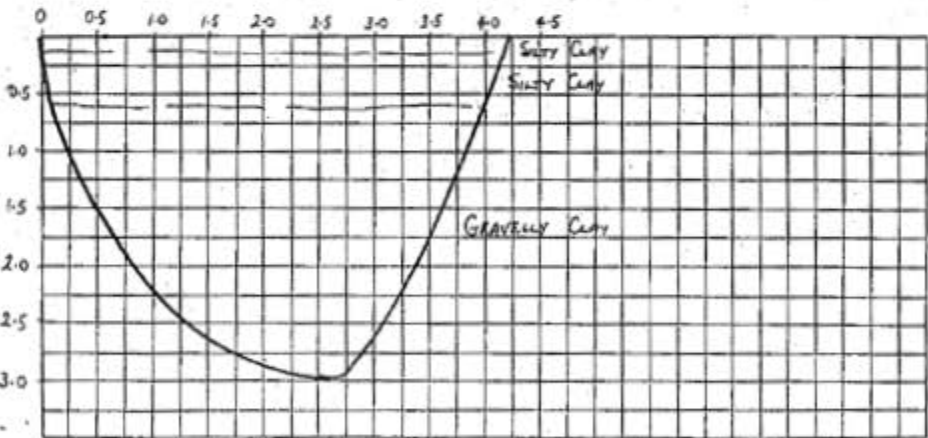
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.		PIT No. <u>DJEREWARRH 179</u>	
PROJECT <u>Proposed Cemetery at Melton.</u>			LOCATION R.L. GROUND <u>173.48</u>		5830203.2 AMG. REF. 283421.7
EQUIPMENT TYPE AND MODEL <u>Case 580C; 600mm bucket</u>					
EXCAVATION DIMENSIONS <u>4.0 m LONG 0.65 m WIDE</u>					
METHOD EASE OF EXCAVATION	DEPTH #	SOIL DESCRIPTION	GRAPHIC LOG.	WATER	
		ROCK DESCRIPTION			
BACK HOE	0.5	SILTY CLAY, moist, stiff, red-brown SILTY CLAY, moist, stiff, yellow brown sandy and gritty (backshot)	CL	- one Basalt 'flunker' (400mm x 300mm) excavated.	
	1.0	CLAY, silty moist, stiff, grey-brown some 'backshot'	CH		
	1.5	Large basalt 'flunkers'			
	2.0	Difficult Excavation due to 'flunkers'			
	2.5				
	3.0				

Logged	<u>Peter Dalkhans</u>	Notes <u>Not Suitable for Burial because of Basalt 'flunkers'</u>
Date	<u>12.7.84</u>	
Checked		
Approved		
Vertical Scale	<u>1:50</u>	Sheet no. <u>1</u> of <u>1</u> Drawing no. <u>MCP6-1</u>

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT NO. DERRIWARAH 180
PROJECT Proposed Cemetery at Melton, Vic.	LOCATION R.L. GROUND 171.67	582-1955-1 AMQ. REF. 285380-9
EQUIPMENT TYPE AND MODEL Case 550 C; 600 mm Bucket		
EXCAVATION DIMENSIONS 4.2 m LONG 0.65 m WIDE		

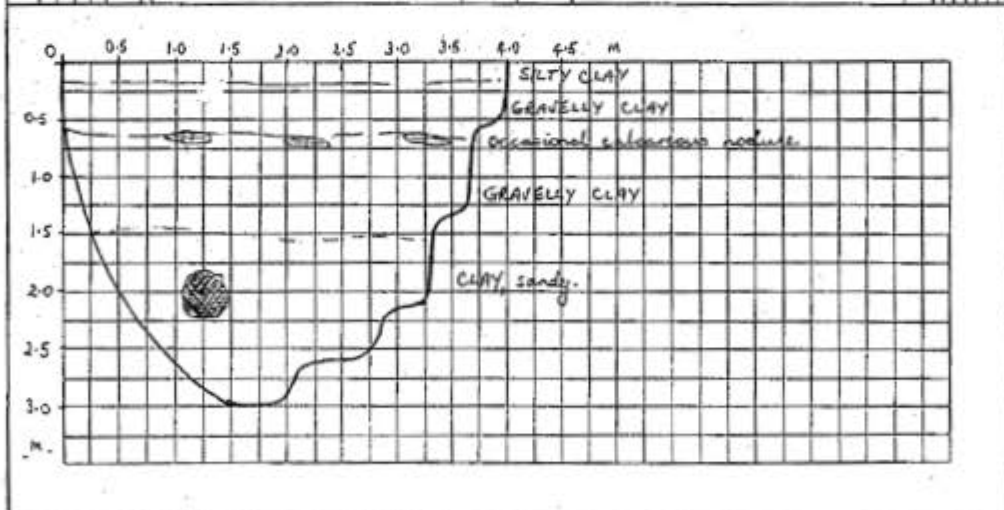
METHOD EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION TYPE, PLASTICITY, FRAGILE CHARACTERISTICS, COLOUR ACCESSORY MATERIAL	GRAPHIC LOG.	WATER
		ROCK DESCRIPTION TYPE, TEXTURE, COLOUR FRAGMENT STRUCTURE HARD COMPONENTS		
DARK NONE	0-1.0	SILTY CLAY, moist friable, dark grey. SILTY CLAY, moist stiff, red-brown.	CL CH	
	1.0-3.0	GRAVELLY CLAY, sandy moist, stiff, fissured, grey. Calcareous nodules at 2.7m	GC	gravel is mostly "ironstone" (not white Fe) varieties. Some quartz. Sand is a mixture of "buckshot" and quartz. some fine quartz along fissures.
	3.0	End of Excavation		



Logged	Peter Dalrymple	Notes
Date	12.7.84	
Checked		
Approved		
Vertical Scale	1:50	Sheet no.   of   Drawing no. MCPS-2

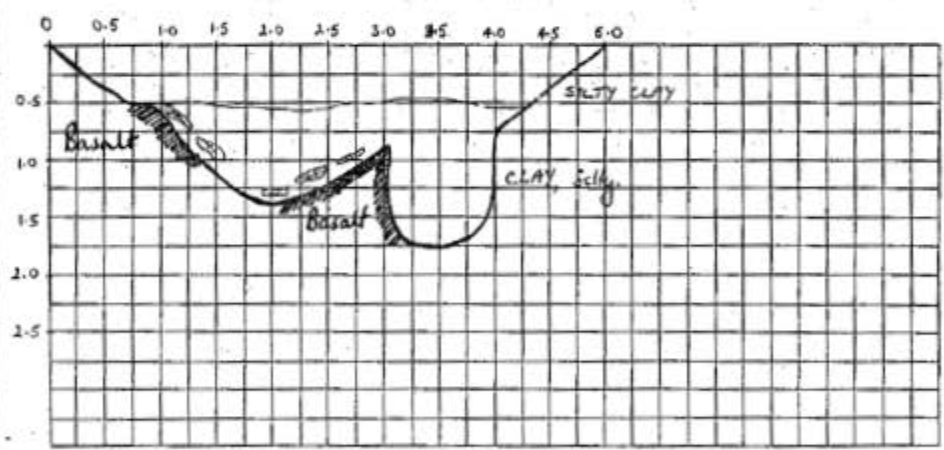
DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <u>DERRINACK 181</u>
PROJECT <u>Proposed Cemetery at Milton.</u>	LOCATION R.L. GROUND <u>169.52</u>	AMG. REF. <u>5821773.6</u> <u>285344.7</u>
EQUIPMENT TYPE AND MODEL EXCAVATION DIMENSIONS	<u>Case 580C: 600mm bucket</u> <u>4 m LONG 0.63 m WIDE</u>	

METHOD EASE OF EXCAVATION	DEPTH #	SOIL DESCRIPTION	GRAPHIC LOG.	WATER
		ROCK DESCRIPTION		
FORWARD	0-1.0	SLTY CLAY, <u>dry, bluish, dark brown</u> GRAVELLY CLAY, <u>moist, stiff, red-brown</u> <u>some 'backshot' sand.</u>		WATER * HAND * MEASUR * METER USE * STRAINER * POINT LOG
	1.0-2.0	GRAVELLY CLAY, <u>moist, stiff, fissured,</u> <u>grey.</u> occasional basalt cobb.		
	2.0-3.0	CLAY, <u>sandy,</u> <u>moist, stiff, fissured</u> <u>mottled yellow-brown &amp; grey</u> <u>some 'backshot' and quartz gravel</u> <u>some roots and remnant roots.</u> <u>some sand lenses.</u>		
		End of Excavation.		



Logged	<u>Peter Duthaus</u>	Notes
Date	<u>12. 7. '84</u>	
Checked		
Approved		
Vertical Scale	<u>1:50</u>	Sheet no. <u>1</u> of <u>1</u> Drawing no. <u>DC11-2</u>

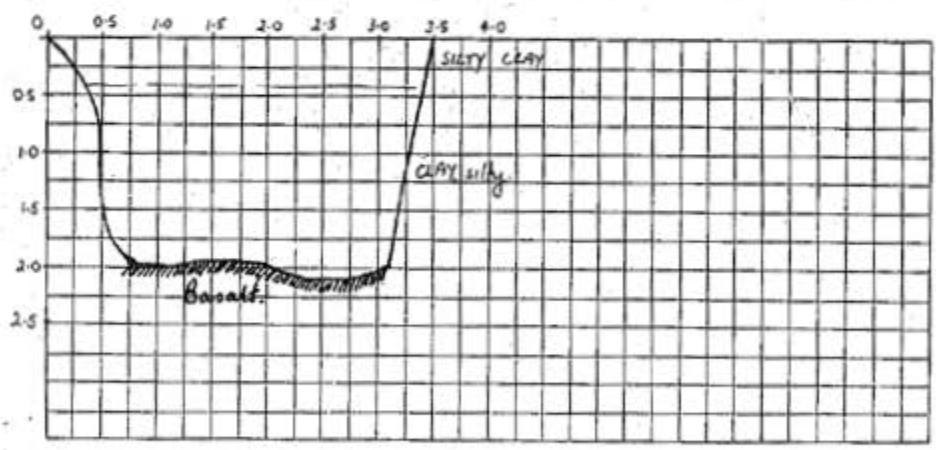
DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG		PIT NO. DJEKIRIWARAH 182		
PROJECT Proposed Cemetery at Mellor, Vic.		LOCATION R.L. GROUND 169.46		AMG. REF. 53 21759.7 283531.7		
EQUIPMENT TYPE AND MODEL Case 580C; 600mm Bucket.						
EXCAVATION DIMENSIONS 5 m LONG 0.65 m WIDE						
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL NO.	GRAPHIC LOG.	WATER
			ROCK DESCRIPTION			
		0.5	SILTY CLAY, moist, stiff, red-brown.		<p>- calcareous nodules in part of the excavation just above the Basalt 'floaters'</p>	
		1.0	CLAY, silty, moist, stiff, mottled yellow-brown & grey.	CH		
		1.5	occasional 'buckshot' Basalt floaters too large to count			
		2.0	Part refusal on Basalt.			
		2.5				
		3.0				



Logged	Peter Dathman	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

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <u>DJERRIWARRA 183</u>
PROJECT <u>Proposed Cemetery at Melton, Vic.</u>	LOCATION R.L. GROUND <u>165.91</u>	AMG. <u>57450.6</u> REF. <u>232479.4</u>
EQUIPMENT TYPE AND MODEL <u>Case 550C ; 600mm Bucket</u>	EXCAVATION DIMENSIONS <u>3 m LONG 0.65 m WIDE</u>	

METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	GRAPHIC LOG.	WATER
			TYPE PLASTICITY RANGE CHARACTERISTIC COLOUR ACCESSORY FEATURES		
ROCK CORNER		0.5	SILTY CLAY, moist friable dark red brown	CH	- yellow brown in patches.
		1.0	CLAY, silty, moist, stiff, fissured grey		
		1.5	some root remnants.		
		2.0	Bankhoe Refusal - Basalt.		
		2.5			

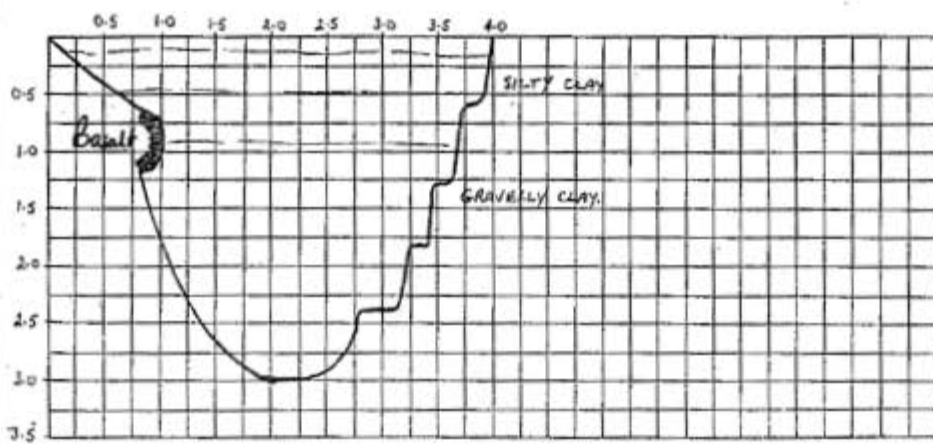


Logged	<u>Pete Doherty</u>	Notes
Date	<u>12.7.84</u>	
Checked		
Approved		
Vertical Scale	<u>1:1</u>	

Sheet no. 1 of 1 Drawing no. H/PS-5

DEPARTMENT OF MINERALS AND ENERGY		EXCAVATION LOG.	PIT No. <i>DJERRIWARRA 154</i>
PROJECT <i>Proposed Cemetery at Melton, Vic.</i>		LOCATION R.L. GROUND <i>172.00</i>	5424980.9 AMG. REF. 283625.1
EQUIPMENT TYPE AND MODEL <i>Case 580C; 600 Bucket</i>			
EXCAVATION DIMENSIONS		4 m LONG 0.65 m WIDE	

METHOD MEANS OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL CLASSIFICATION S.T.C. SYMBOL	GRAPHIC LOG.	WATER
		ROCK DESCRIPTION			
BACKHOE	0-0.5	CLAY, silty, dry, blocky, brown SILTY CLAY, moist friable, red-brown	CH	[Hand-drawn graphic log showing soil layers]	[Water level indicator]
	0.5-1.0	SILTY CLAY, gravelly moist, firm, grey, basal flake of 0.7			
	1.0-1.5	GRAVELLY CLAY, sandy, moist, firm, grey			
	1.5-2.0	becomes mottled with yellow-brown seasonal charcoal pieces.			
	2.0-3.0				
	3.0-3.5	End of excavation.			

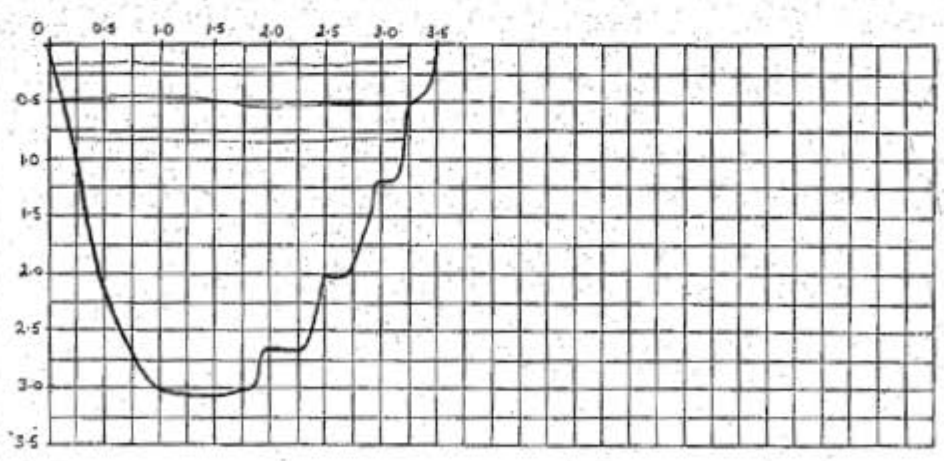


Logged	<i>Peter Dahlhaus</i>	Notes
Date	<i>12. 7. 84</i>	
Checked		
Approved		
Vertical Scale	1:50	Sheet no. 1 of 1 Drawing no. <i>ARCPS-6</i>



DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <u>DJERIKWARAH 185</u>
PROJECT <u>Proposed Cemetery at Melton Va.</u>	LOCATION <u>R.L. GROUND 166.715</u>	AMG. REF. <u>549534.2</u> <u>283163.8</u>
EQUIPMENT TYPE AND MODEL <u>Case 380 C ; 600mm Bucket</u>	EXCAVATION DIMENSIONS <u>3.5 m LONG 0.65 m WIDE</u>	

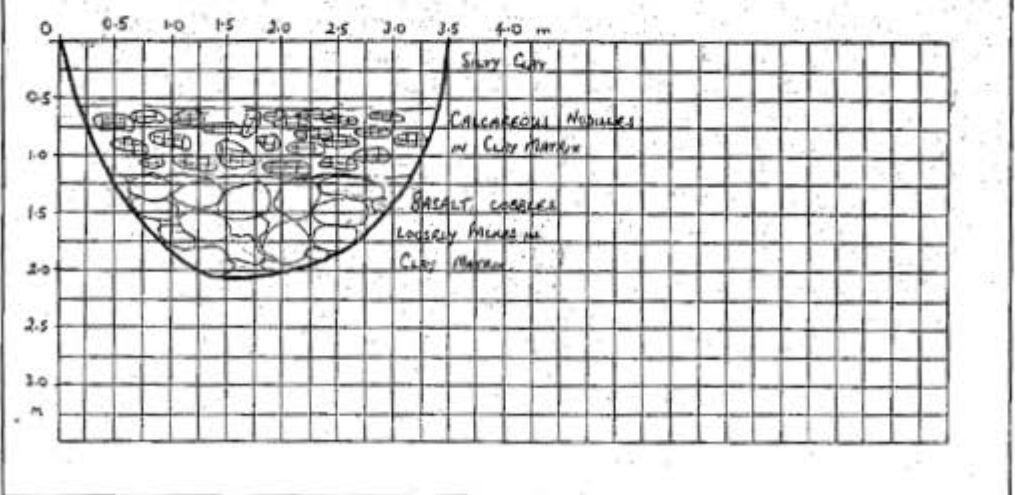
METHOD	BASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION <small>TYPE PLASTICITY PERCENTS SPECIAL FEATURES OTHER ACCESSORY MATERIALS</small>	LOG	GRAPHIC LOG.	WATER
			ROCK DESCRIPTION <small>TYPE TEXTURE COLOUR FRACTION STRUCTURE MINOR COMPONENTS</small>	WATER		
PROXESSES		0.5	<u>SILTY CLAY, dry blocky, friable, brown</u> <u>CLAY, silty, moist, firm, grey-brown.</u> <u>SILTY CLAY, moist, firm, friable,</u> <u>yellow-brown</u>	CL		
		1.0	<u>CLAY, sandy</u>	CH		
		1.5	<u>moist, firm, fissured.</u>			
		2.0	<u>mottled yellow-brown and grey.</u>			
		2.5	<u>rare root remnant.</u> <u>Very uniform consistency,</u> <u>extremely easy to excavate.</u>			
	3.0	<u>End of excavation.</u>				
		3.5				



Logged	<u>Peter Dalshaus</u>	Notes
Date	<u>12. 7. '84</u>	
Checked		
Approved		
Vertical Scale	<u>1:1</u>	Sheet no. <u>1</u> of <u>1</u>
		Drawing no. <u>7-75-7</u>

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <u>DJERRIWARAH 186</u>
PROJECT <u>Proposed Cemetery at Melton, Vic.</u>	LOCATION R.L. GROUND <u>173.46</u>	AMG. REF. <u>283829.5</u>
EQUIPMENT TYPE AND MODEL <u>Case 580C; 600mm Bucket.</u>		
EXCAVATION DIMENSIONS <u>3.5 m LONG 0.65 m WIDE</u>		

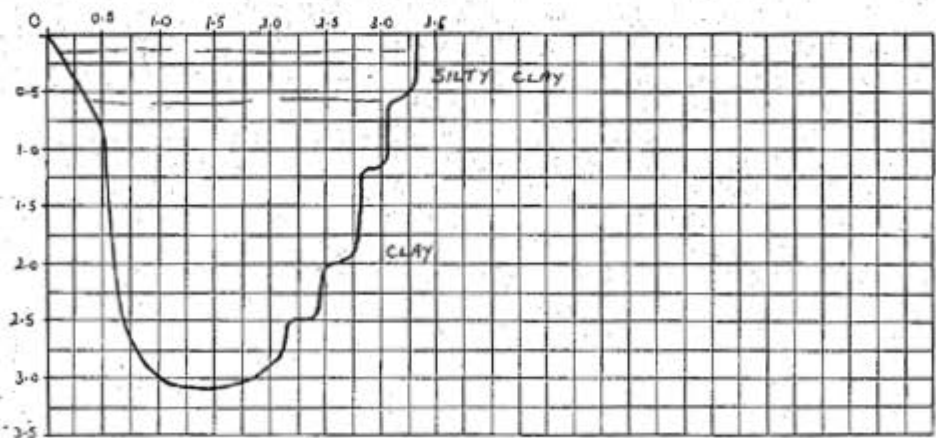
METHOD EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL NO. & REMARKS	GRAPHIC LOG.	WATER	
		TYPE, PLASTICITY, FAHRENHEIT CHARACTERISTIC COLOR ACCESSORY MATERIAL				
		ROCK DESCRIPTION				
		TYPE, TEXTURE, COLOR FABRIC STRUCTURE MINERAL COMPONENTS				
	0.5	SILTY CLAY, moist, friable red-brown.	CL			
	1.0	CALCAREOUS NODULES, soft, white and CLAY, grey-brown, matrix.	CH			} caliche.
	1.5	BASALT, N.W. cobbles, loosely packed and CLAY, moist stiff, grey. some calcareous sand.	E.W. Rock			
	2.0	Basaltic Refused - Basalt.				
	2.5					
	3.0					
	3.5					



Logged	Peter Dathmann	Notes <u>Rough sided hole. Basalt cobbles had to be plucked out rather than broken out.</u>
Date	12-7-'89	
Checked		
Approved		

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <u>DJERRIWARREN 187</u>
PROJECT <u>Proposed Cemetery at Melton, Vic.</u>	LOCATION R.L. GROUND <u>165.73</u>	5829413.7 AMG. REF. <u>294204.4</u>
EQUIPMENT TYPE AND MODEL <u>Case 567C; 600mm bucket</u>		
EXCAVATION DIMENSIONS <u>3.3 m LONG 0.65 m WIDE</u>		

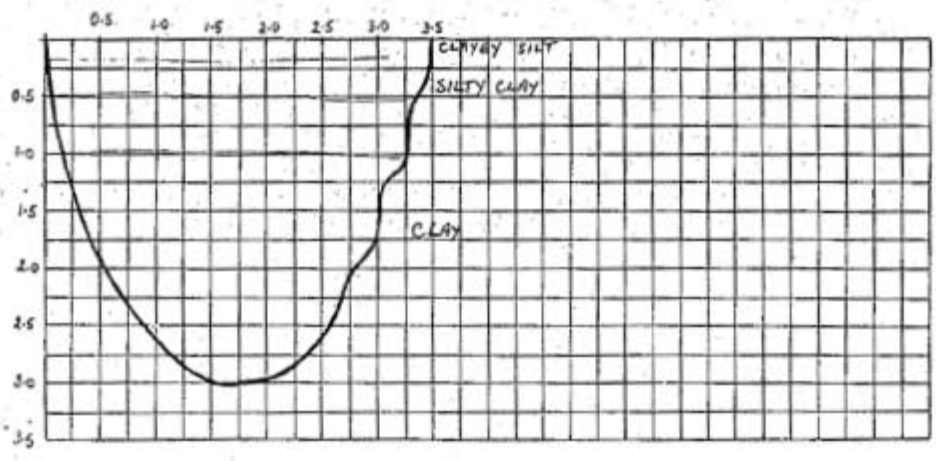
METHOD EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL CLASSIFICATION	GRAPHIC LOG.	WATER	
		ROCK DESCRIPTION				
WORKED	0-0.5	SILTY CLAY, dry, bluish, dark grey.	CL	[Hand-drawn soil profile]	[Water level indicator]	
	0.5-1.0	Silty clay, moist, friable, yellow-brown, slightly sandy.				
	1.0-1.5	CLAY, silty, moist, stiff, grey, occasional fissure.				CH
	1.5-2.0	CLAY, silty, moist, stiff.				
	2.0-2.5	mottled yellow-brown and grey, occasional fissure, some filled with fine quartz sand.				
2.5-3.0	End of excavation.					
	3.0-3.5					



Logged	<u>Peter Dahlhaus</u>	Notes
Date	<u>12. 7. '84</u>	
Checked		
Approved		
Vertical Scale	<u>1:50</u>	Sheet no. <u>1</u> of <u>1</u> Drawing no. <u>M(175.7)</u>

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <i>DJERRILWARREN 158</i>
PROJECT <i>Proposed Cemetery at Melton, Vic.</i>	LOCATION R.L. GROUND <i>163.26</i>	5829201-4 AMB. REF. 293462-3
EQUIPMENT TYPE AND MODEL <i>Case 500C; 600mm Bucket</i>		
EXCAVATION DIMENSIONS <i>3.5m LONG 0.65m WIDE</i>		

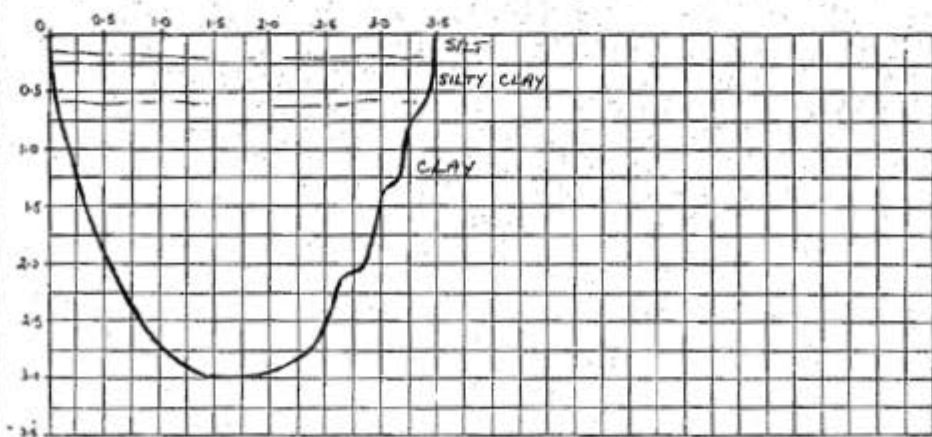
METHOD EASE OF EXCAVATION	DEPTH M	SOIL DESCRIPTION	LOGIC	GRAPHIC LOG.	WATER
		TYPE TEXTURE COLOUR CHARACTERISTIC COLOUR ACCESSORY MATERIAL			
ROCK CORNER	0-0.5	CLAYEY SILT, dry, friable, brown SILTY CLAY, moist, friable, pale grey root casts and roots throughout	ML CL	[Hand-drawn graphic log showing soil layers with varying textures and colors]	[Water level indicator]
	0.5-1.0	SILTY CLAY, moist, friable, yellow-brown Some root casts.	CL		
	1.0-1.5	CLAY, moist, stiff grey	CH		
	1.5-2.0	CLAY, moist, stiff, fissured, mottled yellow-brown & grey.	CH		
	2.0-2.5	CLAY, moist, stiff, fissured, mottled yellow-brown & grey. Some sand filled fissures Some roots.	CH		
	2.5-3.0	End of excavation			
	3.0-3.5				



Logged	<i>Peter Dullhaus</i>	Notes
Date	<i>12.7.54</i>	
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Vertical Scale	<i>1:1</i>	Sheet no. <i>1</i> of <i>1</i> Drawing no. <i>MCP-10</i>

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <u>DJERRIARRI 189</u>
PROJECT <u>Proposed Cemetery at Melton, Vic.</u>	LOCATION <u>R.L. GROUND 166.78</u>	AMG. REF. <u>5829547.1</u> <u>283602.9</u>
EQUIPMENT TYPE AND MODEL <u>Case 580 C; 600 mm Bucket.</u>		
EXCAVATION DIMENSIONS <u>3.5 m LONG</u>	<u>0.65 m WIDE</u>	

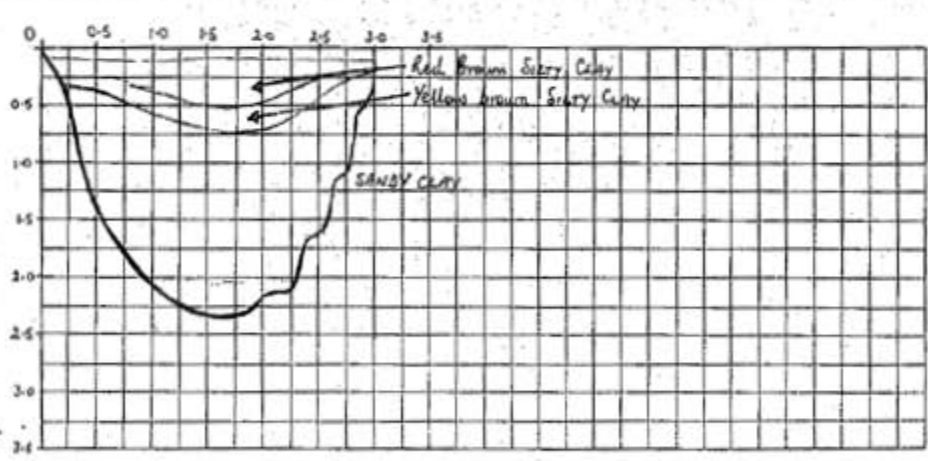
METHOD EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL CLASSIFICATION U.T.C. SYMBOL	GRAPHIC LOG.	WATER
		TYPE, PLASTICITY, PARTICLE CHARACTERISTICS, COLOUR, ACCESSORY MATERIALS			
		ROCK DESCRIPTION	ROCK CLASSIFICATION		
		TYPE, TEXTURE, COLOUR, FACINGS, STRUCTURE, MINOR COMPONENTS			
MOCKING	0-0.5	SILT, clayey, dry friable, brown.	CL		WATER POINT 1840
	0.5-1.0	SILTY CLAY, moist friable red-brown some calcareous nodules at 0.8m.			
	1.0-1.5	CLAY, moist, stiff, abundant fissures, mottled yellow-brown and grey			
	1.5-2.0	rare brown cobbles, fissures often stained black.			
	2.0-3.5	End of excavation.			



Logged	<u>Peter Dahlhaus</u>	Notes
Date	<u>12.7. '54</u>	
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Approved		
Vertical Scale	<u>1:50</u>	Sheet no. <u>1</u> of <u>1</u> Drawing no. <u>DCPS-11</u>

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <i>Deerburgh 190</i>
PROJECT <i>Proposed Cemetery at Milton</i>	LOCATION R.L. GROUND <i>174.05</i>	SR 0187-0 AMG. REF. <i>392124.6</i>
EQUIPMENT TYPE AND MODEL EXCAVATION DIMENSIONS	<i>Case 550C ; 600mm Bucket</i> 3 m LONG 0.65 m WIDE	

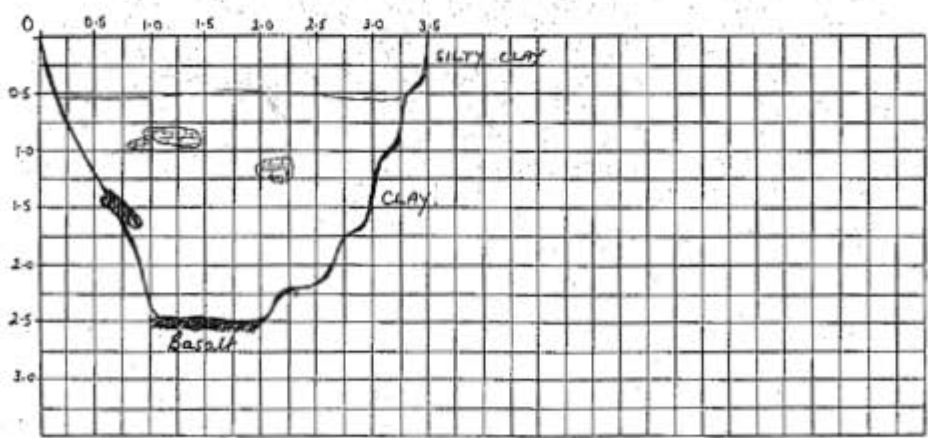
METHOD	EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL CLASSIFICATION	GRAPHIC LOG.	WATER
			TYPE, PLASTICITY, FUNDING CHARACTERISTIC COLOUR ACCESSORY MATERIAL			
MO-7030B	[Vertical bar]	0.5	<i>SILTY CLAY dry, blocky, friable, dark red-brown</i>	CL	} cemetery profile.  - gravel is a mixture of iron stones' and quartz.	[Vertical bar]
		1.0	<i>SILTY CLAY, moist, friable, red-brown</i>	CH		
		1.5	<i>as above, bright yellow-brown.</i>	SC		
		2.0	<i>SANDY CLAY, moist, stiff, fissured, grey, some gravel, some fissures are sand filled</i>	CH		
		2.5	<i>CLAY, sandy, moist, stiff, fissured, mottled yellow-brown &amp; grey.</i>			
		3.0	<i>End of Excavation.</i>			



Logged	<i>Peter Daltheim</i>	Notes
Date	<i>12.7.89</i>	
Checked		
Approved		

DEPARTMENT OF MINERALS AND ENERGY	EXCAVATION LOG.	PIT No. <i>DJERRIBARRA 191</i>
PROJECT <i>Proposed Cemetery at Melton, Vic.</i>	LOCATION <i>R.L. GROUND 173.08</i>	<i>5830041.2</i> AMG. REF. <i>282528.4</i>
EQUIPMENT TYPE AND MODEL <i>Case 520 C; 600mm Bucket</i>		
EXCAVATION DIMENSIONS <i>3.5 m LON</i>	<i>0.45 m WIDE</i>	

METHOD EASE OF EXCAVATION	DEPTH m	SOIL DESCRIPTION	SOIL TYPE	GRAPHIC LOG.	WATER	
		TYPE, PLASTICITY, PARTICLE CHARACTERISTICS, COLOUR, ACCESSORY MATERIALS.				
		ROCK DESCRIPTION	ROCK TYPE			
		TYPE, TEXTURE, COLOUR, MINERAL STRUCTURE, MINOR CONSTITUENTS				
MORNING	0.5	<i>SILTY CLAY, dry, blocky, brown</i> <i>SILTY CLAY, moist, friable, red-brown</i>	<i>Cl</i>		<i>Calcareous nodules, soft, white, sandy</i> <i>Basalt 'flakes' in side of excavation around 1.5 m.</i>	
	1.0	<i>CLAY, silty, moist, stiff, fissured, grey, some root remnants, some calcareous nodules at 0.92 m</i>	<i>CH</i>			
	2.0	<i>CLAY, silty, moist, stiff, fissured, mottled yellow brown, grey</i>				
	2.5	<i>Basaltic material - basalt</i>				
	3.0					
	3.5					



Logged	<i>Peter Dahlmann</i>	Notes
Date	<i>12.7.84</i>	
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Approved		
Vertical Scale	<i>1:50</i>	Sheet no. <i>1</i> of <i>1</i> Drawing no. <i>MCS-B</i>

U.R. 1984/77

For Figure 4

SEE

35mm Jacket