

APPENDIX A

LABORATORY TEST REPORTS

LINTIN GEOTECHNICAL PTY LTD
 ABN 31 077 518 168

P.O. Box 289
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RS003 Rev 03

CALIFORNIA BEARING RATIO TEST REPORT

CLIENT: RMG CONSULTANTS JOB PN 207
 PROJECT: VICTORIA HWY CH: 185.8 - 229.1km GRAVEL SEARCH REPORT# LG04/1747 (2 OF 2)
 LOCATION: EXISTING STOCKPILE AREA SOUTH OF COOLIBAH TURN OFF TEST METHODS: AS 1289 2.1.1, 5.2.1, 6.1.1, 1.2.1
 REQUEST# N/A ORDER# N/A

GENERAL INFORMATION			
Lab. Ref Number	TN 40641	Field Identification	1
Sampled By/Date	CLIENT 26/11/04	Depth	N/A
Material	PROPOSED B' COURSE	Location	EXISTING STOCKPILE AREA
Days Soaked/Unsoaked	4 DAY SOAKED	Offset	SOUTH OF COOLIBAH TURN OFF
Date Tested	06/12/04	Tested By	B. ALDRIDGE
Compaction Effort	100% MODIFIED	Blows Per Layer	53
Material >19.0mm (%)	30	Material >19.0mm	EXCLUDED
Mass Of Surcharge (kg)	4.5		

TEST DATA			
Max. Dry Density (t/m ³)	2.23	Compaction Required (%)	100.0
Optimum Moist. Content (%)	7.3	Moist. Content Required (%)	100.0

RESULTS	BEFORE SOAKING	AFTER SOAKING
Density Ratio at Compaction (%)	100	
Moisture Ratio At Compaction (%)	92	
Dry Density (t/m ³)		2.24
Moisture Content - Top 30mm (%)		8.5
- Entire Depth (%)		7.8
Swell/Consolidation (%)		0.0
CALIFORNIAN BEARING RATIO 2.5mm		240
5.0mm		240



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(Signature)
 Approved Signatory
 A. Lindsey

Date 07/12/04

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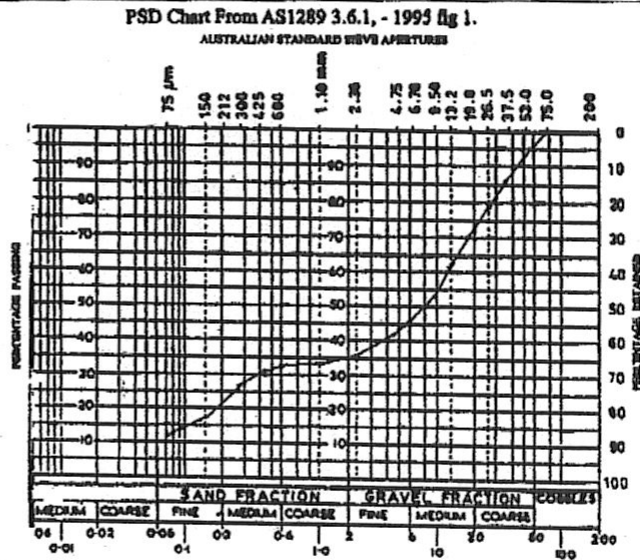
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RS 058 Rev 01

CLASSIFICATION TEST REPORT

CLIENT: RMG GEOTECHNICAL CONSULTANTS JOB #: PN207
PROJECT: VICTORIA HWY CH: 185.8 - 229.1km GRAVEL SEARCH REPORT #: LG04/1699 (1 of 2)
LOCATION: EXISTING STOCKPILE AREA SOUTH OF TEST AS1289,2.1.1,3.1.1,3.1.2,3.2.1,3.3.1,3.4.1,3.6.1,1-21,CL6-4b,
COOLABAH PLATEAU TURN OFF METHODS: A61141-3.1-CL-6.9
DATE OF TEST: 01/12/04 REQUEST #: N/A ORDER #: N/A

Lab.Ref.Number	TN 40641	Sampled by & Date	CLIENT 26/11/04
Field Identification	1	Depth	N/S
Material	PROPOSED BASECOURSE	Chainage, Offset	EXISTING STOCKPILE AREA SOUTH OF COOLABAH PLATEAU TURN OFF

Particle Size Distribution		Specification*
Sieve Size mm	Result % Passing	
75	100	
53	94	
37.5	86	
26.5	79	
19	70	
13.2	61	
9.5	54	
6.7	46	
4.75	42	
2.36	35	
1.18	34	
0.600	32	
0.425	30	
0.300	27	
0.150	17	
0.075	12	



Atterberg Limits		Specification*
Test	Sample Result	
Liquid Limit	17	
Plastic Limit	15	
Plastic Index	2	
Linear Shrinkage	1.0	
PI*%<0.425mm	60	

Atterberg Limites Test Notes

Prep Method (P.I)	Air Dried/Wet Sieved
Size of LS Mould	250
Curling/Crumbling	NO



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Approved Signatory
A. Lindsey

Date: 07/12/04

INSERT FURTHER REPORTS HERE - RIVER GRAVEL