LEVEL ONE

Reference No.: 9024-114

SURVEILLANCE

AND INSPECTION REPORT

Carried Out By



PREPARED FOR: -

SYMON BROS. CONSTRUCTIONS PTY LTD



GEOTECHNICAL LABORATORIES PTY LTD ABN 51 102 571 077 14 RAVENHALL WAY RAVENHALL 3023 PH. (03) 8361-9140

Table of Contents

1)	Introduction & Scope	2
2)	Site Preparation	2
3)	Fill Material	2
4)	Fill Construction Procedure	3
5)	Compaction Control Testing	3
6)	Testing Frequency	3
7)	Statement of Compliance	4
8)	Limitations of this Report	4

Appendices

Appendix A Construction Drawings

Appendix B Daily Field Compaction Summary Results



Client Name: Symon Bros. Constructions Pty Ltd Project Name: Mambourin Estate Stage 17 Date: 8th of June 2023 Author: Mr. Sam Loza Reference No.: 9024-114 Revision: 0 Project Manager: Mr. George Dimopoulos

1. Introduction & Scope

At the request of Symon Bros. Constructions Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the above-mentioned site from the 3rd of August 2022 to the 5th of June 2023 where a residential development is being constructed. Inspection and testing of stripping, material quality and compaction control tests were carried out to comply with the requirements of AS 3798 Appendix B, Level 1.

The following documentation was submitted to Geotechnical Laboratories by Symon Bros. Constructions Pty Ltd and was used to determine compliance of earthworks in conjunction with the requirements of AS 3798 – 2007.

- (1). Bulk Earthworks Plan Drawing No. 309504CG01 Rev. 0
- (2). Bulk Earthworks Plan Drawing No. 309504CG02 Rev. 0

General site works involved the placement of fill, using on-site derived clay, to bring the fill region to the required finished levels as indicated on the faceplan drawings.

2. Site Preparation

Initial site inspections were undertaken on the 25th of July 2022 confirming that selected areas to be filled were completely stripped of topsoil prior to filling. The brown silty topsoils had been stockpiled around the site for later removal offsite.

Proof roll inspections were performed throughout the project duration to ensure no significant soft areas were present prior to filling.

3. <u>Fill Material</u>

It is understood that the fill material used was sourced from on-site excavations, mainly drainage trenches and road boxing. The material had been screened to remove any boulders.



The fill material is best described as a basaltic CLAY, brown, red brown, slightly moist to moist, slightly silty, medium to high plasticity with basalt gravels and cobbles.

The fill material is consistent with the naturally occurring soils for this region.

Source material was deemed a **Suitable Material** in accordance with guidelines set out in AS 3798 - 2007 Section 4.4.

4. Fill Construction Procedure

The following plant (but not always limited to) were engaged in the fill placement process:

- Highway trucks
- Dump trucks
- A watercart
- A sheepsfoot compactor (815)
- Scrapers

The sheepsfoot compactor placed material in horizontal loose layers of approximately 250-300mm. The sheepsfoot compactor also performed compaction of the clay fill operating in a criss-cross pattern.

The moisture condition of the fill was closely monitored, and moisture conditioning procedures were applied to bring the material closer to its Standard Optimum Moisture Content (AS 1289 5.7.1).

5. Compaction Control Testing

Compaction control testing was performed on-site using a Nuclear Densometer in accordance with AS 1289 5.8.1. Laboratory reference densities were determined from material sampled at each test site location using the Hilf Rapid Compaction Method in accordance with AS 1289 5.7.1.

A total of sixty compaction tests were performed on the fill construction. Results are presented in Appendix B of this report.

6. <u>Testing Frequency</u>

Testing frequencies were in accordance with **AS 3798 - 2007 Table 8.1** for **Large Scale Operations.**

Acceptance of fill layers for compaction was based on the requirements of **AS** 3798 - 2007 Table 5.1 Item 1. Residential.

As a result, the compliance criteria adopted by Geotechnical Laboratories was a hilf density ratio not less than 95 percent of the maximum hilf density value as determined by the Standard Hilf Rapid Compaction Method in accordance with AS 1289 5.7.1.



Test results indicate that the above-mentioned requirements have been successfully achieved.

No moisture criteria was specified.

7. <u>Statement of Compliance</u>

So far as can be determined, Symon Bros. Constructions Pty Ltd has satisfactorily complied with the compaction and construction processes required for the structural filling of this site. As such, structural filling placed on this site by Symon Bros. Constructions Pty Ltd from the 3rd of August 2022 to the 5th of June 2023 can be categorised as CONTROLLED FILL in accordance with AS 2870-2011.

8. Limitations and Liability of this Report

This report has been produced for and remains the property of Symon Bros. Constructions Pty Ltd.

The release of this report to a third party will only occur if Geotechnical Laboratories Pty Ltd has received, in writing, the authority to do so by our client.

Geotechnical Laboratories Pty Ltd will not engage in any third-party communication regarding this report.

Where information has been supplied by the client or third party, the assumption is made that this is correct. Geotechnical Laboratories Pty Ltd will not be held responsible for any inaccuracies supplied.

Test results and controlled fill compliance relates only to fill placed by Symon Bros. Constructions Pty Ltd and for earthworks completed at the time of inspection and testing. Any previous or subsequent earthworks will require a separate evaluation.

For & on behalf of Geotechnical Laboratories Pty Ltd.

Sam Loza Laboratory Manager.

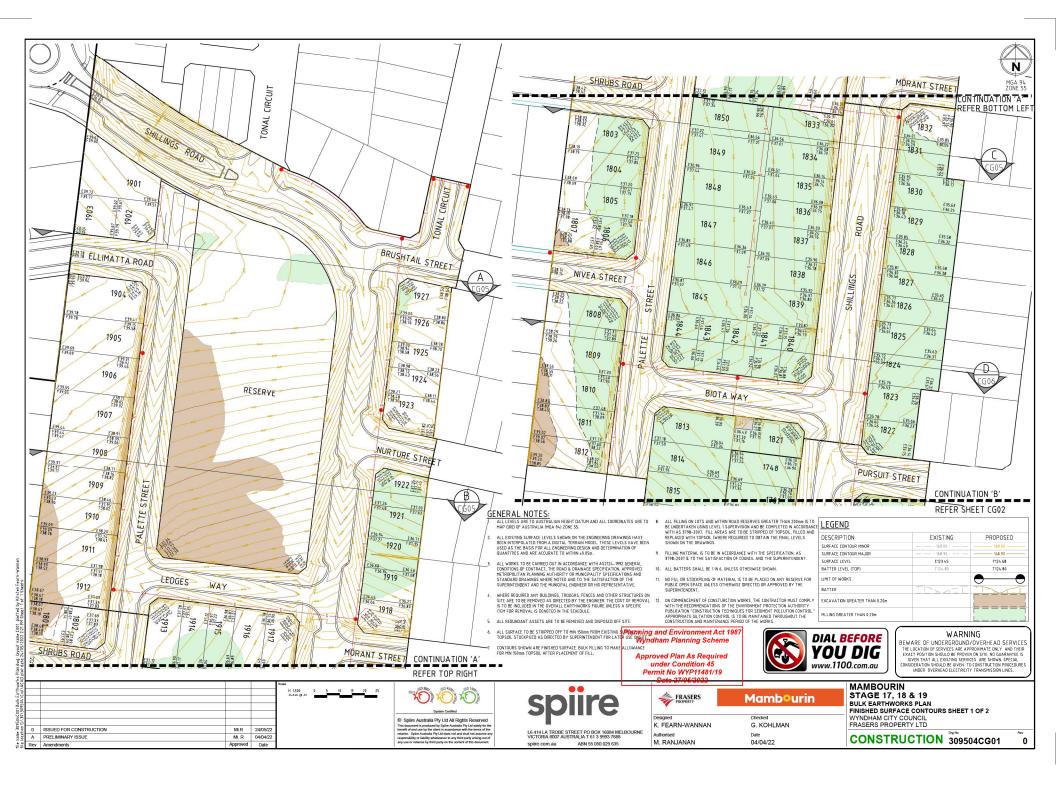


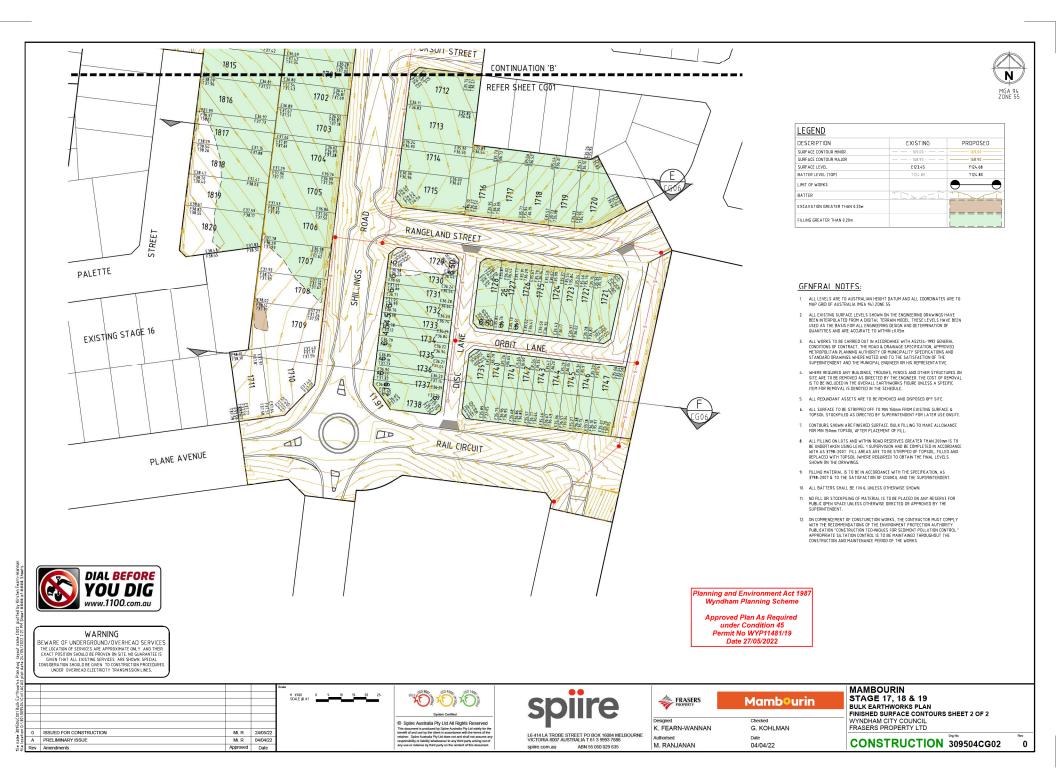
LEVEL ONE

SURVEILLANCE

AND INSPECTION REPORT

APPENDIX A







LEVEL ONE

SURVEILLANCE

AND INSPECTION REPORT

APPENDIX B



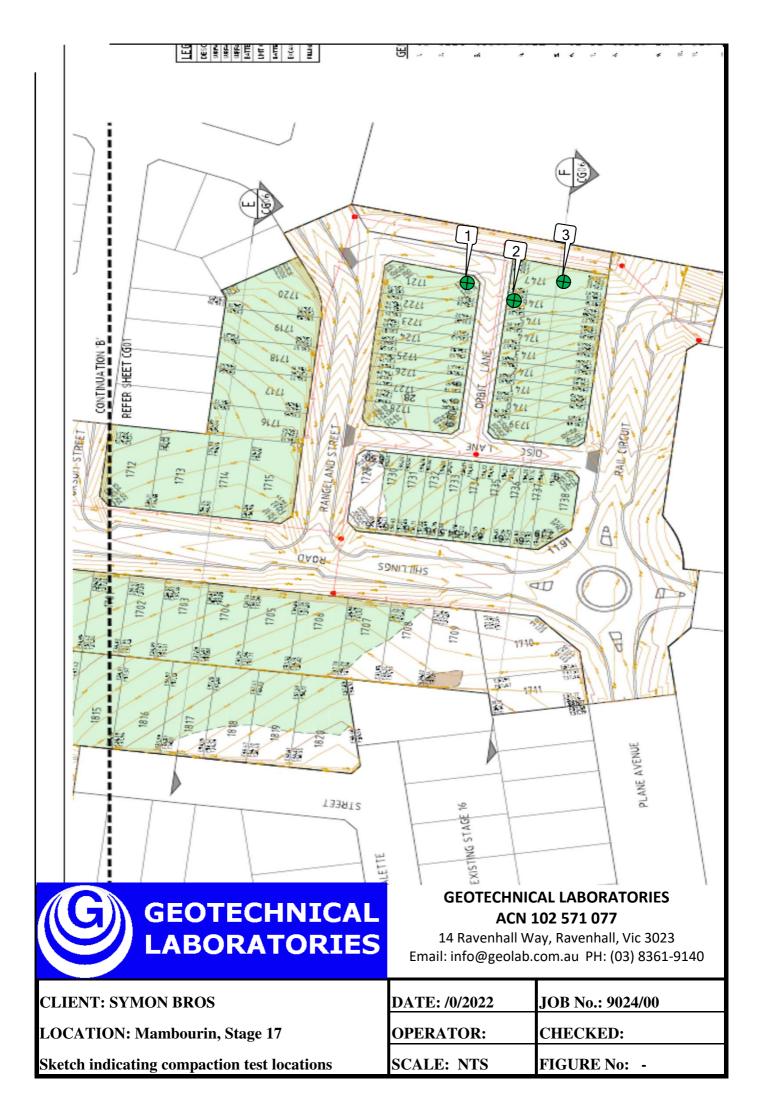
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/002

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
3/08/22	1		1.91	21.0	100.0	1.91	24.0	175	3.0 Drier	88.0	0	0	1000
3/08/22	2		2.01	29.5	102.0	1.97	32.0	175	2.5 Drier	92.0	0	0	1000
3/08/22	3	Refer to #9024/003 for	1.93	20.5	97.5	∞ 1.98	22.0	175	1.5 Drier	92.5	5	0	1200
-	-	approx. test site locations.	-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
NOTES:		ey Fill Ex. Onsite				Compaction	•	•	•				
		ites located - Geolab Procedure 4, P				Start Time:		_	me: 10:50ai				
A Hilf Rap	id Cor	mpaction test was carried out on	a sample	taken from	each Field I				•	rameters ta	bulated	l on this	Report.
							re Content:					10	
,		ness: 200mm				•	action Test:				M.	HR.	
	-	o and Hilf Moisture Variation ,Hill	Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted wet De	ensity AS	1289 5.7.1			/ K CROW	
	-	uclear Gauge: AS 1289 5.8.1					l for compliant	ce with ISO/	<u>IEC</u>		_		
	-	led : AS 1289 1.2.1 Clause 6.4(b)		NATA				14561		· · ·	ed Signa	• /
	s APC	CWD				ED	redited Labord	atory Numb	<u>er 14561</u>		Issue [Date: 9/8/2	022
*					ACCHEDITATIC	J 14							





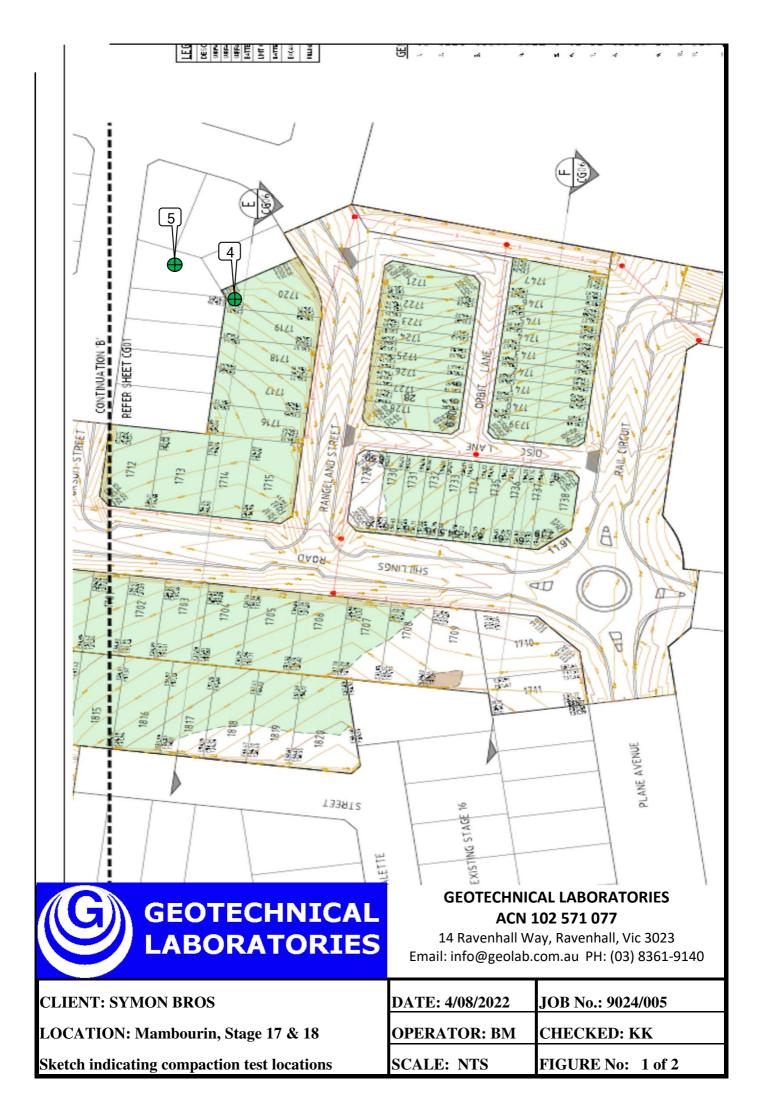
GEOTECHNICAL LABORATORIES

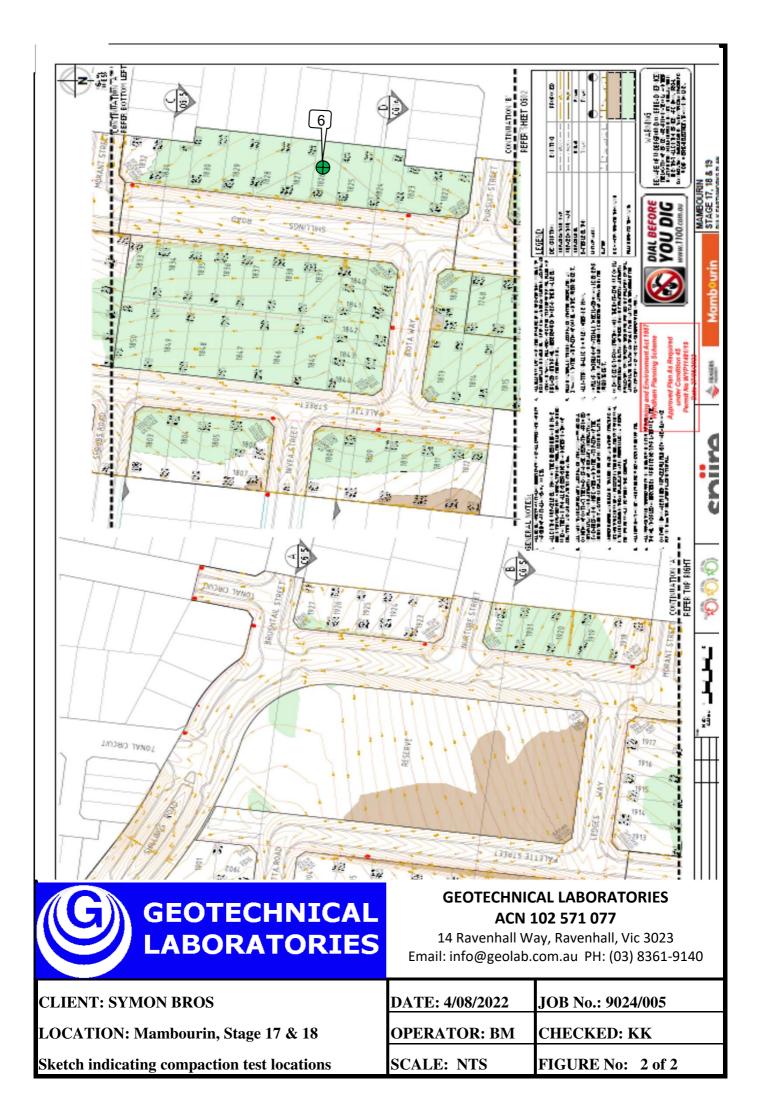
ACN 102 571 077

REPORT NO.: # 9024/004

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)					
4/08/22	4		1.97	22.0	104.0	∞ 1.90	24.0	175	2.0 Drier	91.0	4	0	600					
4/08/22	5		2.06	24.5	104.5	⊯ 1.97	26.0	175	1.5 Drier	93.5	13	0	600					
4/08/22	6	Refer to #9024/005 for	1.96	24.5	103.5	1.90	26.0	175	1.5 Drier	93.5	0	0	500					
-	-	locations.	-	-	-	-	-	-	-	-	-	-	-					
-	-		-	-	-	-	-	-	-	-	-	-	-					
-	-		-	-	-	-	-	-	-	-	-	-	-					
NOTES:	Claye	ey Fill Ex. Onsite				Compaction	n specimens	s sampled	l after comp	action.								
	Test s	ites located - Geolab Procedure 4, P	art 4.4.			Start Time:	1:25pm	Finish Tin	ne: 2:15pm									
A Hilf Rap	oid Cor	mpaction test was carried out on	a sample	taken from	each Field I	Density loca	tion to obtai	n the Con	npaction Pa	rameters ta	abulated	l on this	Report.					
						Moistu	re Content:	AS 1289	2.1.1									
						•					M	HQ.						
	-		Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.1		l	/						
Field Den	sity, N	uclear Gauge: AS 1289 5.8.1				Accredited	l for compliant	ce with ISO/	<u>/IEC</u>		93.5 13 0 600 93.5 0 0 500 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -							
4/08/22 6 Refer to #9024/005 for approx. test site locations. 1.96 24.5 103.5 1.90 26.0 175 1.5 Drier 93.5 0 -											ed Signa	atory)						
✤ Indicate	s APC	WD			WORLD RECOGNIS		redited Labord	atory Numb	<u>er 14561</u>		Issue D	ate: 10/8/2	2022					
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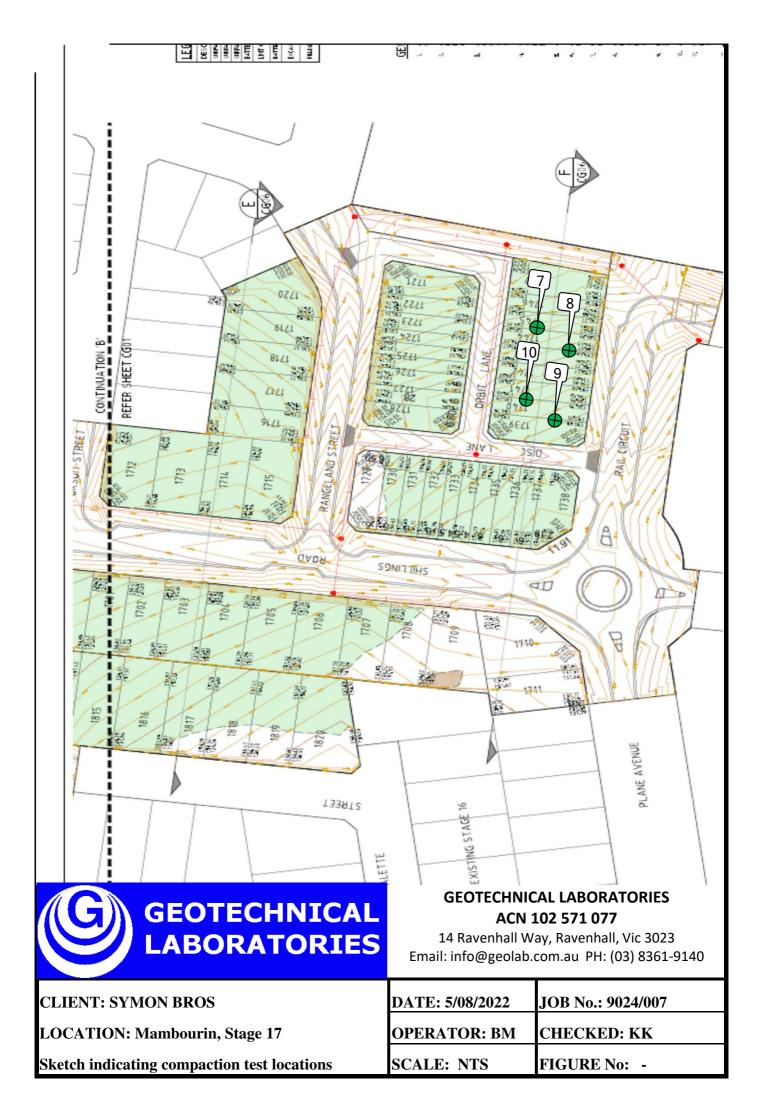
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/006

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
5/08/22	7		1.96	18.5	103.0	1.91	21.5	175	3.5 Drier	84.5	0	0	1000
5/08/22	8		1.97	18.5	103.0	1.92	21.0	175	2.5 Drier	87.5	0	0	1000
5/08/22	9	Refer to #9024/007 for	2.00	19.5	104.5	1.91	22.5	175	3.0 Drier	86.5	0	0	1000
5/08/22	10	locations.	1.93	18.5	99.0	⊯ 1.95	22.0	175	3.5 Drier	83.5	4	0	1000
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
NOTES:	Claye	ey Fill Ex. Onsite				Compaction	n specimens	s sampled	after comp	action.			
	Test s	ites located - Geolab Procedure 4, P	art 4.4.			Start Time:	1:10pm F	-inish Tim	e: 1:45pm				
A Hilf Rap	id Co	mpaction test was carried out on	a sample	taken from	each Field I	Density loca	tion to obtai	n the Con	npaction Pa	rameters ta	bulated	l on this	Report.
						Moistu	re Content:	AS 1289	2.1.1				
_		ness: 200mm				•					M	HQ.	
Hilf Densit	ty Rati	o and Hilf Moisture Variation ,Hill	f Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.1		l	/	
Field Den:	sity, N	uclear Gauge: AS 1289 5.8.1				<u>Accredited</u>	l for compliand	ce with ISO/	<u>IEC</u>		_		
Materials	Samp	ed: AS 1289 1.2.1 Clause 6.4(b)			<u> 17025 - Te</u>	esting				(Approv	ed Signa	atory)
✤ Indicate	s APC	(t/m³) (%) STANDARD (%) APCWD (t/m³) CONTENT (%) (mm) CONTENT (%) (%)											2022
*					COMPETENCE								





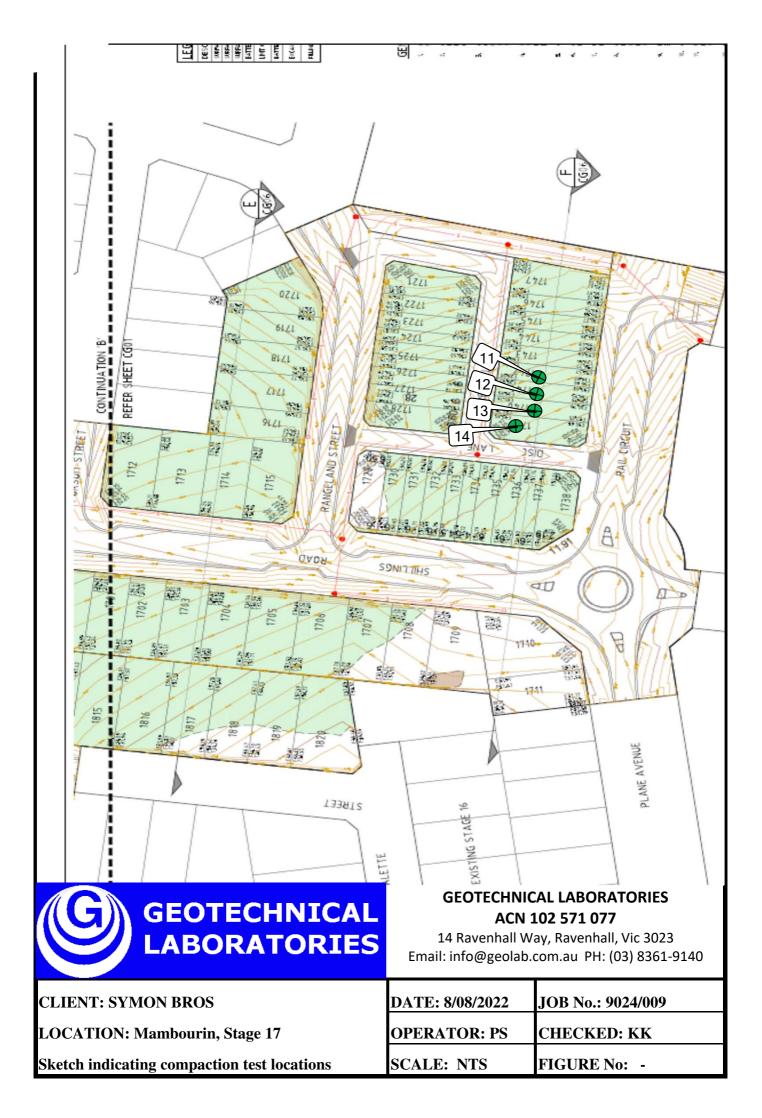
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/008

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
8/08/22	11		1.99	20.0	104.5	1.90	23.0	175	3.0 Drier	86.5	0	0	800
8/08/22	12		1.95	20.5	100.5	1.94	23.5	175	2.5 Drier	88.5	0	0	800
8/08/22	13	Refer to #9024/009 for	1.94	21.0	98.5	✤ 1.97	22.5	175	1.0 Drier	94.5	8	0	800
8/08/22	14	approx. test site locations.	1.93	21.0	99.5	1.94	23.0	175	2.0 Drier	90.5	0	0	800
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
NOTES:	•	ey Fill Ex. Onsite ites located - Geolab Procedure 4, P	art 4.4.			•	•	•		action.			
A Hilf Rap	id Co	mpaction test was carried out on	a sample	taken from	each Field	Density loca	tion to obtai	in the Con	npaction Pa	rameters ta	abulated	on this	Report.
						Moistu	re Content:	AS 1289	2.1.1				
Soil Layer	thickr	ness: 200mm				Compa	action Test:	AS 1289	5.7.1		M	HQ.	6
Hilf Densit	ty Rati	o and Hilf Moisture Variation ,Hil	f Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.1		1	/	
Field Den:	sity, N	uclear Gauge: AS 1289 5.8.1				Accredited	l for complian	ce with ISO/	<u>/IEC</u>		_		
Materials	Samp	led: AS 1289 1.2.1 Clause 6.4(b)			<u>17025 - 16</u>					(Approv	ed Signa	atory)
✤ Indicate	s APC	WD	ION DENSITY (Vm ³) CONTENT (%) HATO STANDARD (%) OF (Vm ³) OOS IONE (CONTENT (%) SETTING (mm) MOISTORE (CONTENT (%) HATO (%) H										
*					COMPETENCE	l .							



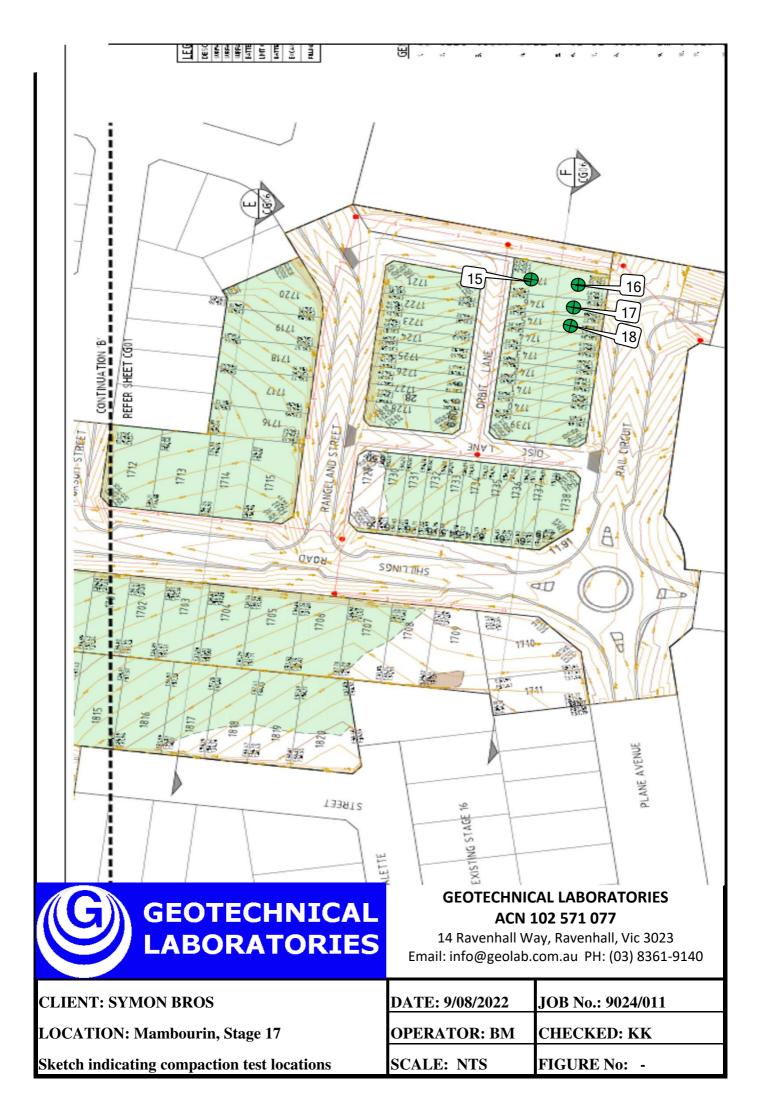


GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140 REPORT NO.: # 9024/010

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
9/08/22	15		2.07	21.5	106.5	1.94	24.0	175	2.5 Drier	90.0	0	0	600
9/08/22	16		1.90	24.0	95.5	1.98	24.0	175	0.0 Drier	100.0	0	0	600
9/08/22	17	Refer to #9024/011 for	2.14	22.5	107.5	∞ 1.99	23.0	175	0.5 Drier	97.0	4	0	700
9/08/22	18	locations.	2.00	20.5	106.5	1.87	24.0	175	3.5 Drier	85.0	0	0	800
-	-		-	-	-	-	-	-	-	-	-	-	-
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NOTES:	-	•				•	•	•	•	action.			
A Hilf Ban				takan from	each Field I		•		•	ramotore ta	bulatoo	l on this	Report
ΠΠΠαρ		ipaction test was carried out on	a sample	lanen nom					•		ibulated	10111115	
Soil Layer	thickr	ness: 200mm									М	In.	
Hilf Densi	ty Rati	o and Hilf Moisture Variation ,Hill	f Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.1		1	yes	
Field Den	sity, N	uclear Gauge: AS 1289 5.8.1				Accredited	l for compliand	e with ISO	TEC		MIC	K CROW	/E
											atory)		
✤ Indicate	s APC	CWD			WORLD BECOOMIS	NATA Acc	redited Labord	atory Numbe	er 14561_		Issue D)ate: 15/8/2	2022
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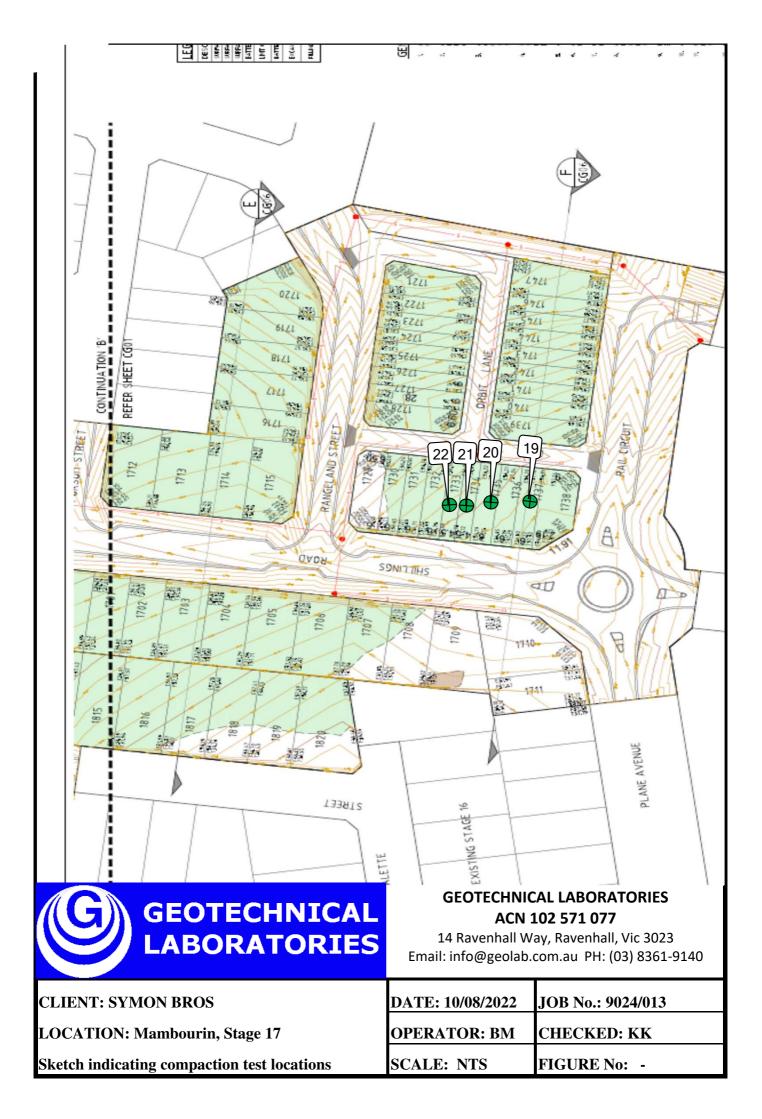
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/012

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
10/08/22	19		2.00	24.0	100.5	1.99	21.5	175	2.5 Wetter	111.5	0	0	300
10/08/22	20		2.05	25.0	101.5	2.02	23.0	175	2.0 Wetter	108.5	0	0	300
10/08/22	21	Refer to #9024/013 for	1.89	24.5	97.0	⊯ 1.95	24.0	175	0.0 Wetter	101.0	5	0	300
10/08/22	22	approx. test site locations.	1.86	23.5	96.0	∞ 1.94	23.5	175	0.0 Drier	99.0	4	0	300
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
NOTES:	-	ey Fill Ex. Onsite ites located - Geolab Procedure 4, F	Part 4.4.				n specimens 1:15pm F	•		action.			
A Hilf Rap	id Co	npaction test was carried out on	a sample	taken from	each Field I	Density loca	tion to obtai	n the Con	npaction Pa	rameters ta	bulated	l on this	Report.
						Moistu	re Content:	AS 1289	2.1.1				
Soil Layer	thickr	ness: 200mm				Compa	action Test:	AS 1289	5.7.1		M	HQ.	
Hilf Densit	ty Rati	o and Hilf Moisture Variation ,Hil	f Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.1		[/	
Field Den	sity, N	uclear Gauge: AS 1289 5.8.1				Accredited	l for compliant	ce with ISO/	<i>TEC</i>		MIC	K CROW	/E
Materials	Samp	ed: AS 1289 1.2.1 Clause 6.4(b))		NATA						(Approv	ved Signa	atory)
✤ Indicate	s APC	WD			WORLD RECOGNIS		redited Labord	atory Numb	<u>er 14561</u>		Issue D	0ate: 16/8/2	2022
*					ACCREDITATIO								





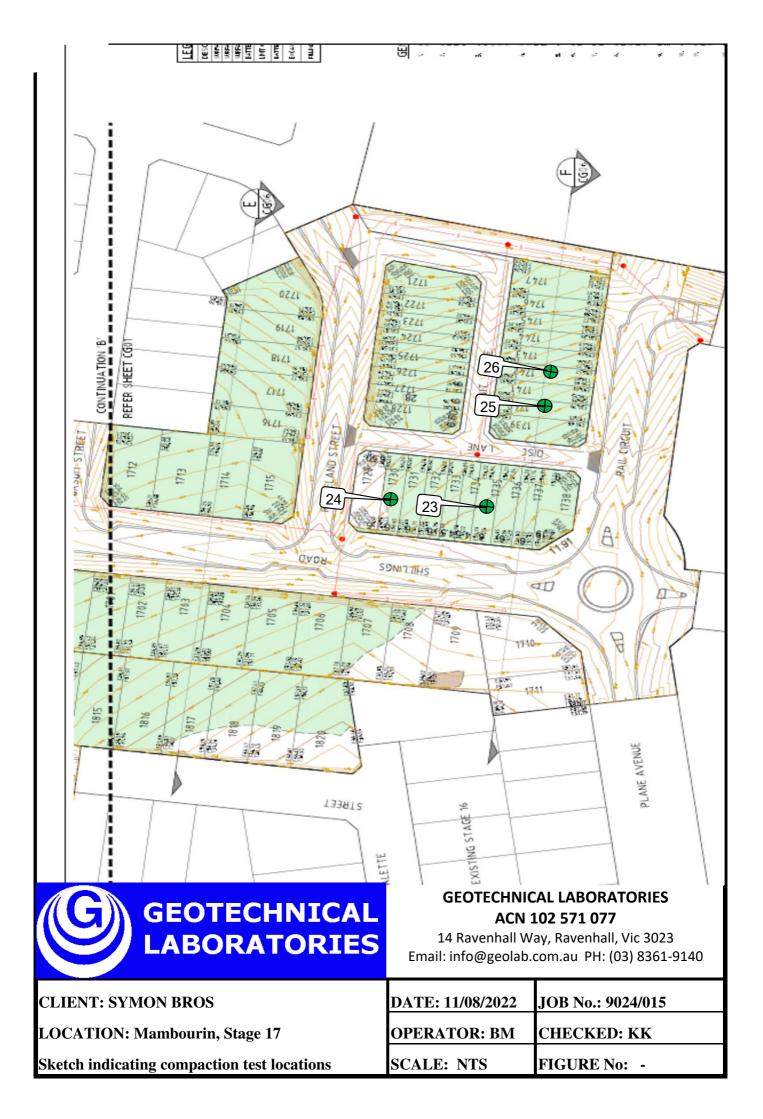
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/014

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
11/08/22	23		1.85	21.0	97.0	1.91	23.0	175	1.5 Drier	92.5	0	0	300
11/08/22	24		1.93	19.5	101.5	1.90	22.0	175	2.5 Drier	88.0	0	0	300
11/08/22	25	Refer to #9024/015 for	1.90	19.0	99.0	1.91	23.0	175	4.0 Drier	82.5	0	0	1000
11/08/22	26	approx. test site locations.	2.10	20.0	102.0	2.05	20.5	175	0.5 Drier	96.5	0	0	1000
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
NOTES:	-	ey Fill Ex. Onsite ites located - Geolab Procedure 4, P	art 4.4.			•	n specimens 1:30pm F	•	•	action.			
A Hilf Rap	oid Cor	mpaction test was carried out on	a sample	taken from	each Field I	Density loca	tion to obtai	n the Con	npaction Pa	rameters ta	bulated	l on this	Report.
						Moistu	re Content:	AS 1289	2.1.1				
-		ness: 200mm				•	action Test:				M	HQ.	
Hilf Densit	ty Rati	o and Hilf Moisture Variation ,Hil	f Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.1		l	/	
Field Den:	sity, N	uclear Gauge: AS 1289 5.8.1			NATA	Accredited	l for complian	ce with ISO/	<u>IEC</u>			K CROW	
Materials	Samp	led: AS 1289 1.2.1 Clause 6.4(b)			<u>17025 - 16</u>					(Approv	ed Signa	atory)
⊕ ∻							redited Labor	atory Numb	<u>er 14561</u>		Issue D	ate: 18/8/2	2022





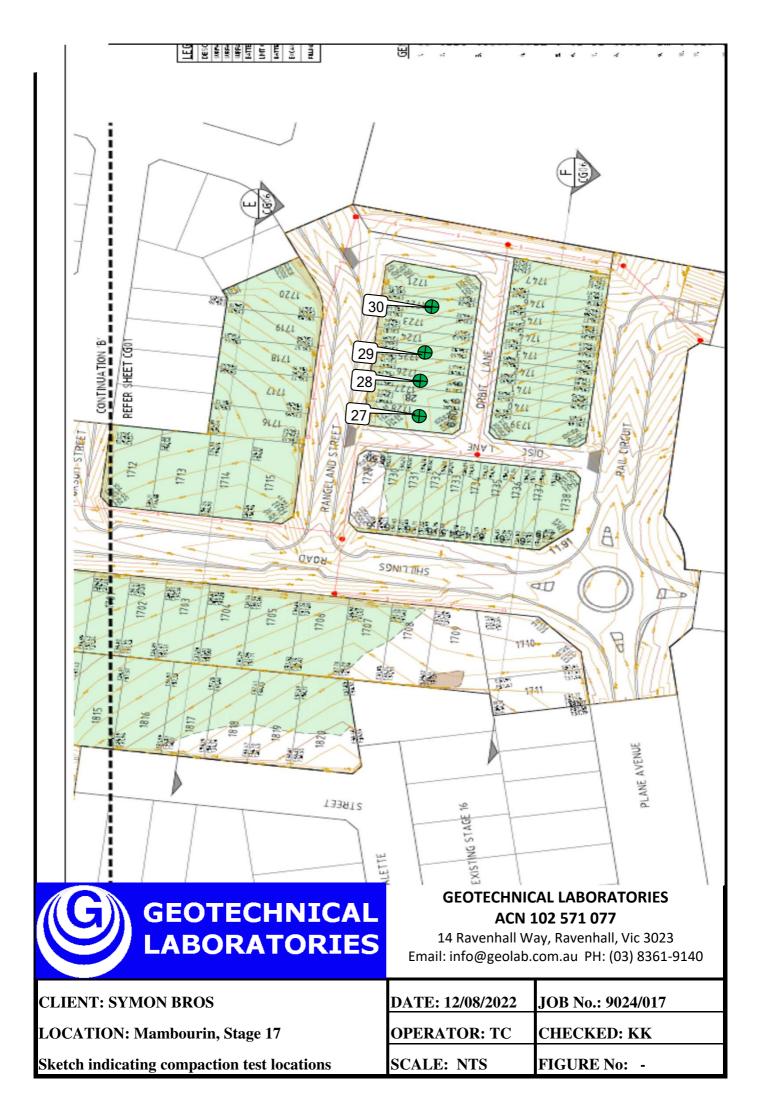
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/016

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
12/08/22	27		1.97	26.0	98.5	₩ 2.00	23.0	175	3.5 Wetter	114.5	4	0	600
12/08/22	28		1.86	24.5	96.5	1.92	25.0	175	0.5 Drier	98.0	0	0	800
12/08/22	29	Refer to #9024/017 for	1.89	23.0	96.0	∞ 1.96	23.0	175	0.0 Drier	100.0	5	0	1000
12/08/22	30	approx. test site locations.	1.86	22.0	95.0	1.96	22.5	175	0.5 Drier	97.0	0	0	1200
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
NOTES:		ey Fill Ex. Onsite ites located - Geolab Procedure 4, P	Part 4.4.			Compaction Start Time:	•	•	•	action.			
A Hilf Rap	id Cor	mpaction test was carried out on	a sample	taken from	each Field I	Density loca	tion to obtai	in the Con	npaction Pa	rameters ta	bulated	I on this	Report.
						Moistu	re Content:	AS 1289	2.1.1				
-		ness: 200mm				•	action Test:				M	HQ.	
Hilf Densit	ty Rati	o and Hilf Moisture Variation ,Hill	f Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.1		1	/	
Field Dens	sity, N	uclear Gauge: AS 1289 5.8.1				<u>Accredited</u>	l for compliant	ce with ISO	<u>IEC</u>			K CROW	
Materials	Sampl	ed: AS 1289 1.2.1 Clause 6.4(b))		NATA	<u>17025 - Te</u>	esting				(Approv	ved Signa	atory)
✤ Indicate	s APC	WD			WORLD RECOGNIS		redited Labord	atory Numb	<u>er 14561</u>		Issue D	0ate: 18/8/2	2022
*					ACCREDITATIO								





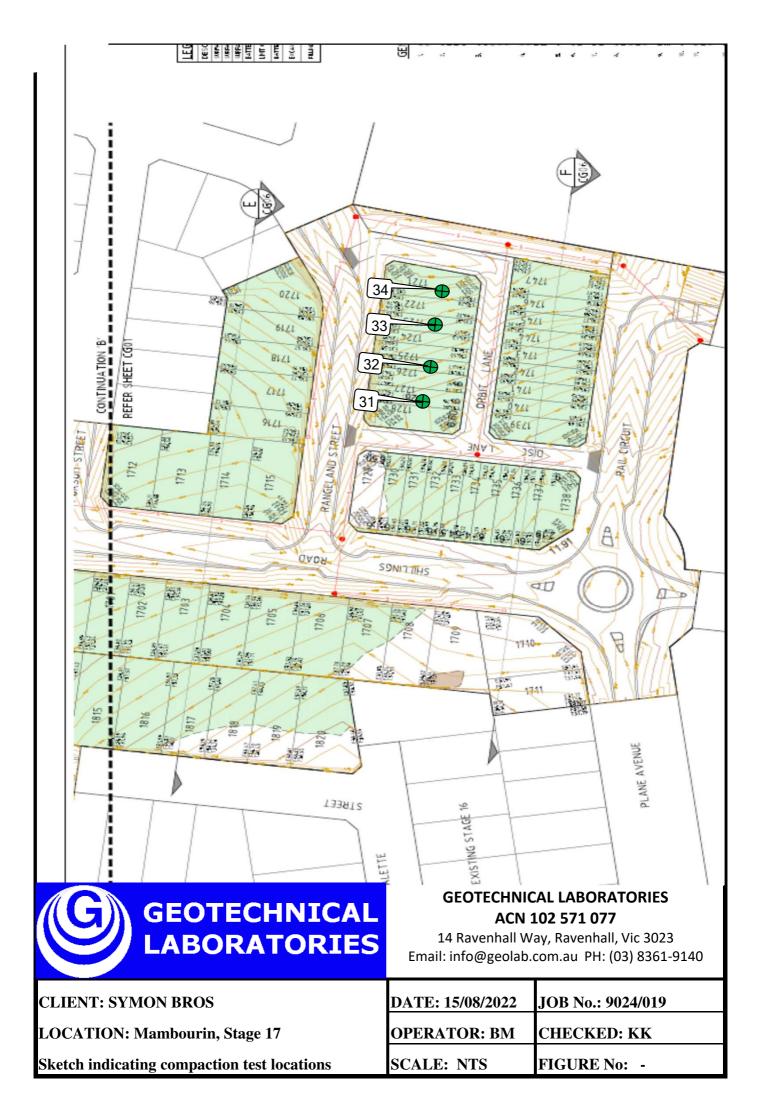
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/018

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
15/08/22	31		1.93	23.0	98.0	∞ 1.97	23.5	175	0.0 Drier	99.0	5	0	700
15/08/22	32		2.00	21.0	101.5	1.96	22.0	175	0.5 Drier	96.5	0	0	900
15/08/22	33	Refer to #9024/019 for	1.99	24.0	103.5	1.92	24.5	175	0.5 Drier	98.0	0	0	1100
15/08/22	34	approx. test site locations.	1.97	24.5	101.0	∞ 1.95	24.5	175	0.0 Drier	100.0	4	0	1300
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
NOTES:	-	ey Fill Ex. Onsite				•	n specimens			action.			
		ites located - Geolab Procedure 4, F					1:15pm F						_
A Hilf Rap	oid Cor	mpaction test was carried out on	a sample	taken from	each Field I	-				rameters ta	bulated	on this	Report.
							re Content:					10	
-		ness: 200mm				•	action Test:				M	HL.	
	-	o and Hilf Moisture Variation ,Hil	Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted wet De	ensity AS	1289 5.7.1		1	/	-
	-	uclear Gauge: AS 1289 5.8.1			NATA	<u>Accredited</u>	l for compliant	ce with ISO/	<u>IEC</u>			< CROW	
Materials	Samp	led : AS 1289 1.2.1 Clause 6.4(b)			<u>1/025 - Te</u>					(Approv	ed Signa	atory)
✤ Indicate	s APC	WD				3	redited Labord	atory Numbe	<u>er 14561</u>		Issue D	ate: 19/8/2	2022
*					COMPETENCE	E							





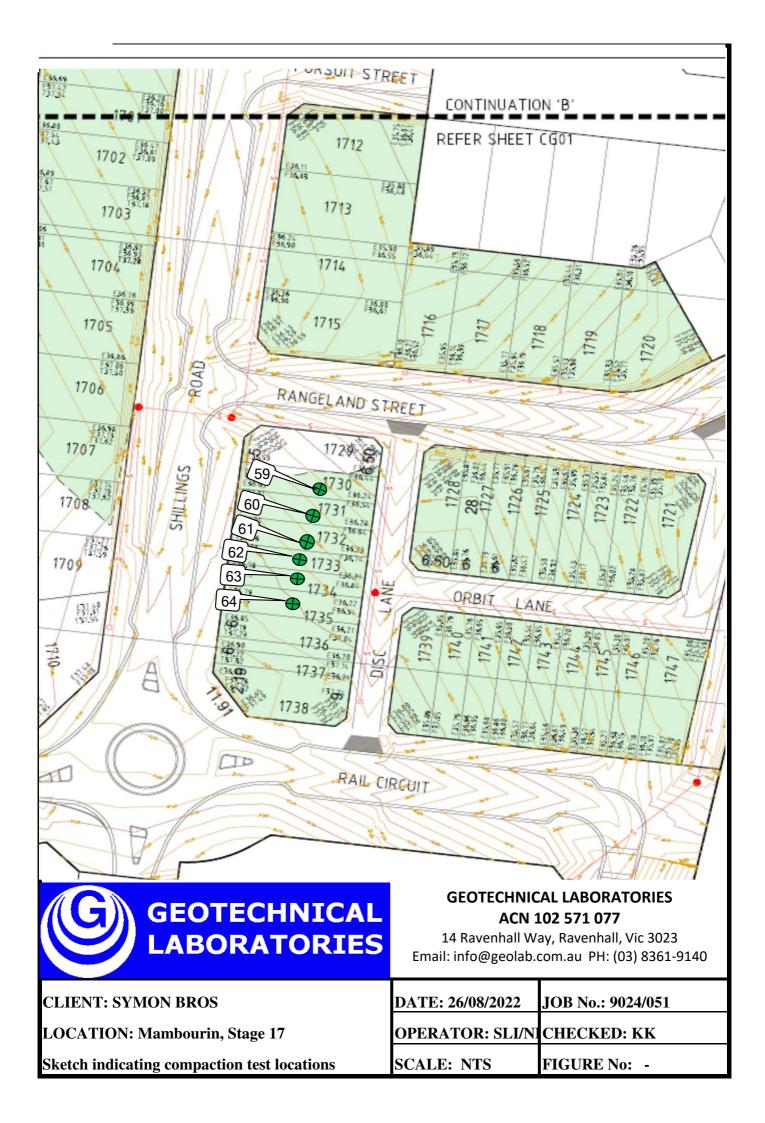
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/050

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)					
26/08/22	59		1.97	25.5	100.5	1.96	23.5	175	2.0 Wetter	107.5	0	0	0					
26/08/22	60		1.98	23.0	101.5	1.95	23.5	175	0.5 Drier	98.0	0	0	0					
26/08/22	61	Refer to #9024/051 for	1.93	19.5	97.0	1.99	21.5	175	2.0 Drier	91.0	0	0	0					
26/08/22	62	approx. test site locations.	1.89	21.0	97.5	ቋ 1.94	23.0	175	1.5 Drier	92.5	4	0	0					
26/08/22	63		1.89	23.5	96.0	1.97	24.0	175	0.0 Drier	99.0	0	0	0					
26/08/22	64		1.94	25.0	102.0	1.90	25.5	175	0.5 Drier	98.0	0	0	0					
NOTES:	Claye	ey Fill Ex. Onsite				Compaction	n specimens	s sampled	after comp	action.								
	Test s	ites located - Geolab Procedure 4, P	art 4.4.			Start Time:	1:45pm F	-inish Tim	e: 2:30pm									
A Hilf Rap	id Co	mpaction test was carried out on	a sample	taken from	each Field I	Density loca	tion to obtai	n the Con	npaction Pa	rameters ta	bulated	on this	Report.					
						Moistu	re Content:	AS 1289	2.1.1									
Soil Layer	thickr	ness: 200mm				Compa	action Test:	AS 1289	5.7.1		M	HQ.						
Hilf Densit	ty Rati	o and Hilf Moisture Variation ,Hill	f Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.1		1	/						
Field Dens	sity, N	uclear Gauge: AS 1289 5.8.1				Accredited	l for compliand	ce with ISO/	<i>TEC</i>		MICI	< CROW	/E					
Materials	Samp	ed: AS 1289 1.2.1 Clause 6.4(b)		NATA						(Approv	ed Signa	atory)					
✤ Indicate	s APC	WD					redited Labord	atory Numbe	er 14561		98.0 0 0 0 91.0 0 0 0 92.5 4 0 0 99.0 0 0 0 98.0 0 0 0 91.0 0 0 0 92.5 4 0 0 99.0 0 0 0 98.0 0 0 0 98.0 0 0 0							
*					WORLD RECOGNIS													





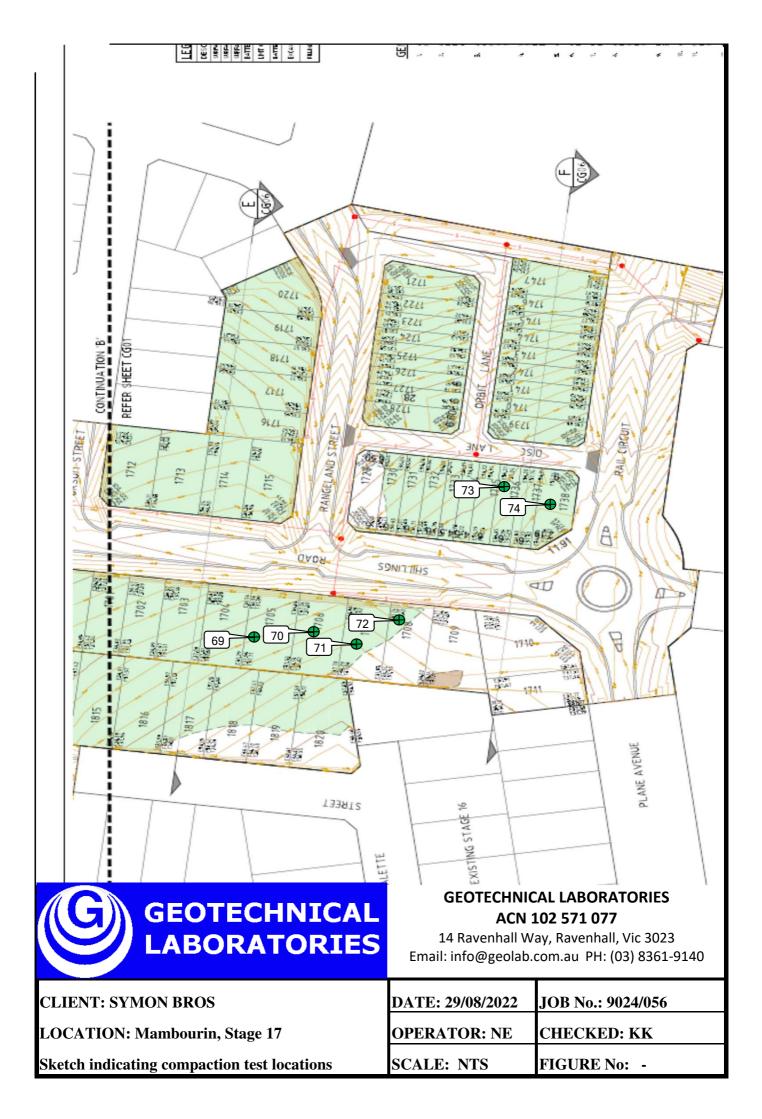
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/055

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATIO FROM OPTIMUN MOISTUR CONTEN (%)	MOISTURE RATIO	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
29/08/22	69		2.03	22.0	108.0	1.89	25.5	175	3.5 Drie	· 86.5	0	0	0
29/08/22	70		2.01	21.0	106.0	1.89	24.5	175	3.5 Drie	86.0	0	0	0
29/08/22	71	<i>Refer to #9024/056 for</i>	1.86	21.5	100.0	1.86	24.0	175	3.0 Drie	· 88.0	0	0	0
29/08/22	72	approx. test site locations.	2.01	27.0	105.5	1.90	27.0	175	0.0 Drie	[,] 100.0	0	0	0
29/08/22	73		1.89	21.0	99.0	⊯ 1.91	24.0	175	3.0 Drie	88.0	5	0	0
29/08/22	74		1.94	21.0	103.5	1.88	24.0	175	2.5 Drie	89.0	0	0	0
		ey Fill Ex. Onsite ites located - Geolab Procedure 4, F	art 4.3.			•	n specimens 9.30AM F	•		•			
A Hilf Rap	id Co	mpaction test was carried out on	a sample	taken from	each Field I	Density loca	tion to obtai	in the Con	npaction F	arameters ta	abulated	d on this	Report.
						Moistu	re Content:	AS 1289	2.1.1				
		ness: 200mm				•	action Test:				M	HQ	
Hilf Densit	ty Rati	o and Hilf Moisture Variation ,Hil	f Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.		1	/	
Field Dens	sity, N	uclear Gauge: AS 1289 5.8.1				<u>Accredited</u>	l for complian	ce with ISO/	/IEC		MIC	K CROW	/E
Materials	Samp	ed: AS 1289 1.2.1 Clause 6.4(b)		NATA	<u>17025 - Te</u>	esting				(Approv	ed Sign	atory)
✤ Indicate	s APC	WD			WORLD RECOGNIS		redited Labor	atory Numb	<u>er 14561</u>		Issue	Date: 1/9/2	022
*					ACCREDITATIO								





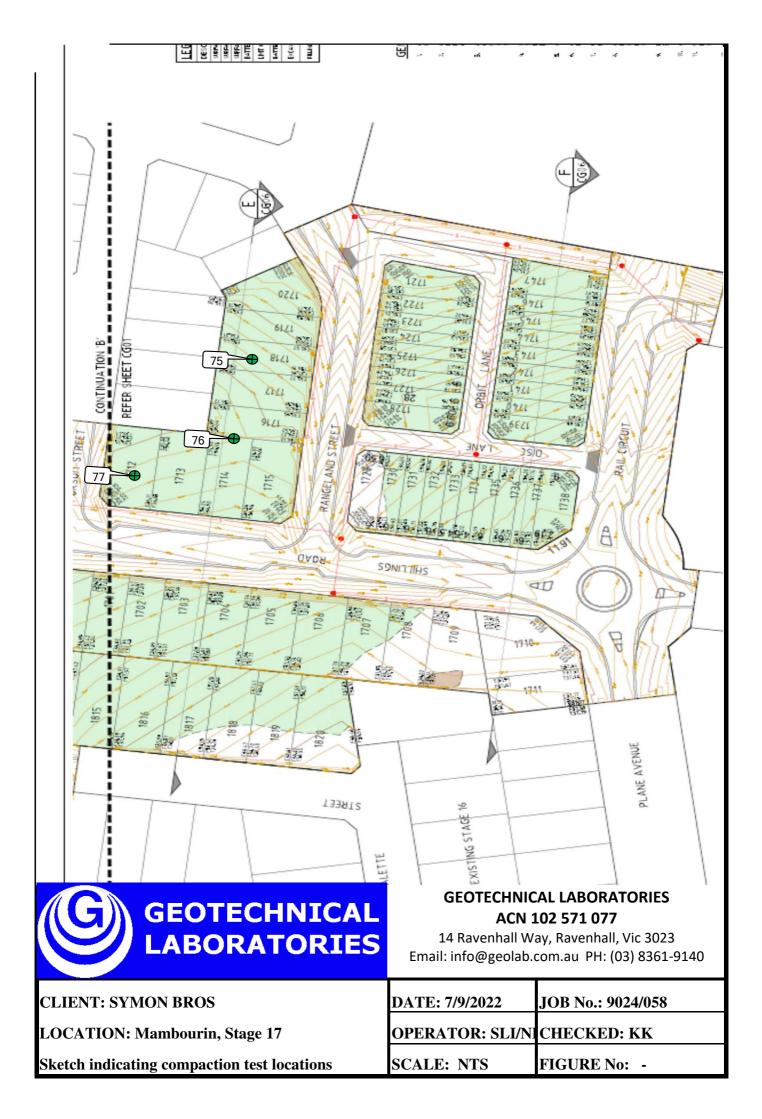
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/057

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140 LOCATION: SYMON BROS - Mambourin Estate, Stage 17 & 18

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
7/09/22	75		1.95	25.0	102.0	1.91	29.0	175	4.0 Drier	87.0	0	0	0
7/09/22	76		1.93	24.0	102.5	1.88	25.0	175	0.5 Drier	97.0	0	0	200
7/09/22	77	Refer to #9024/058 for	1.99	25.5	104.5	1.91	26.0	175	1.0 Drier	97.0	0	0	300
-	-	approx. test site locations.	-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
NOTES:	-	ey Fill Ex. Onsite sites located - Geolab Procedure 4, P	art 4.4.			•	n specimen: 12.40PM	•		action.			
A Hilf Rap	oid Cor	mpaction test was carried out on a	a sample	taken from	each Field I	Density loca	tion to obtai	in the Con	npaction Pa	arameters ta	bulated	l on this	Report.
						Moistu	re Content:	AS 1289	2.1.1			1 -	
,		ness: 200mm				•	action Test:				M	HQ	
		io and Hilf Moisture Variation ,Hilf	f Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.1		1	/	
	-	luclear Gauge: AS 1289 5.8.1		Accredited	l for complian	ce with ISO/	/IEC			K CROV			
Materials	Samp	led: AS 1289 1.2.1 Clause 6.4(b	NATA						(Approv	ed Signa	atory)		
₩						ED	redited Labor	atory Numb	<u>er 14561</u>		Issue [Date: 8/9/2	022





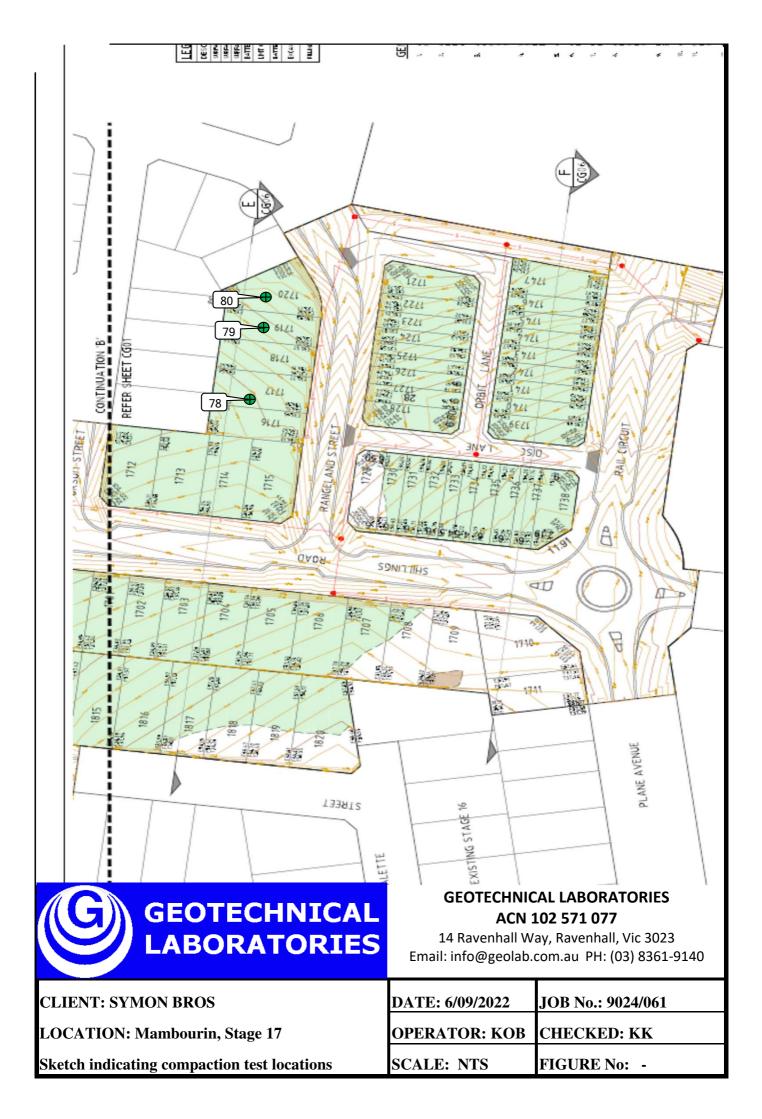
GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140 REPORT NO.: # 9024/060

LOCATION: SYMON BROS - Mambourin Estate, Stage 17 & 18

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
6/09/22	78		1.87	26.5	97.0	∞ 1.94	30.0	175	4.0 Drier	87.5	4	0	0
6/09/22	79		1.94	22.5	102.5	ቋ 1.90	24.5	175	2.0 Drier	91.0	5	0	0
6/09/22	80	Refer to #9024/061 for approx. test site locations.	1.95	24.0	102.5	ቋ 1.91	26.5	175	2.5 Drier	90.5	4	0	0
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
NOTES:	-	ey Fill Ex. Alex Fraser - Epping				•	n specimen	•	•	action.			
		ites located - Geolab Procedure 4, P					8.00AM F				L L.L.		D
А НІІТ Кар	na Coi	mpaction test was carried out on	a sample	taken from	each Field I	•	tion to obtai		•	trameters ta	ibulated	i on this	Report.
Soil Laver	thickr	ness: 200mm					action Test:				ЛЛ	10	
-		io and Hilf Moisture Variation ,Hill	f Adiusted	(APCWD)	& Peak (PC	•					17	Me	
		uclear Gauge: AS 1289 5.8.1	,	. /		·		•			MICI	K CROW	/E
	-	led: AS 1289 1.2.1 Clause 6.4(b	NATA	<u>Accredited</u> <u>17025 - Te</u>	<u>l for complian</u> esting	ce with ISO	<u>TEC</u>		(Approv	ed Sign	atory)		
✤ Indicate	s APC	CWD			ACCREDITED FOR		redited Labor	atory Numb	<u>er 14561</u>		Issue [Date: 8/9/2	022
*					TECHNICAL COMPETENCE								





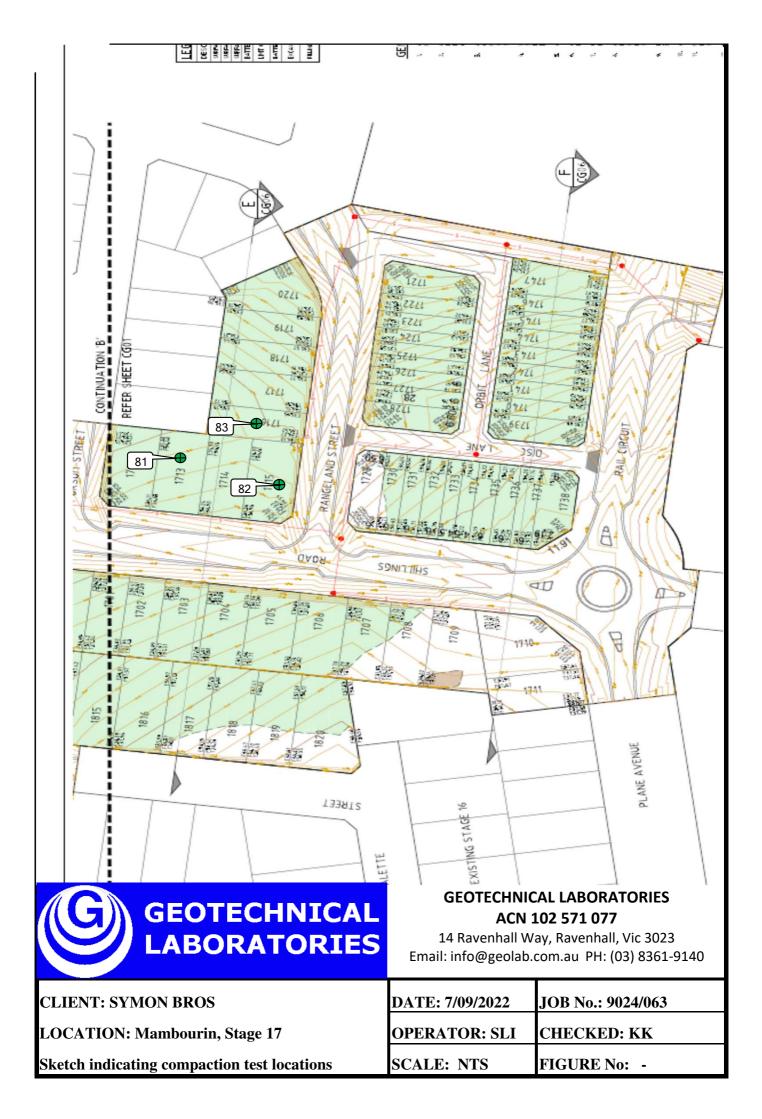
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/062

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
7/09/22	81		1.94	24.5	102.5	₩ 1.89	26.0	175	1.5 Drier	93.5	4	0	300	
7/09/22	82		1.87	23.5	99.5	ቋ 1.88	26.5	175	2.5 Drier	89.5	3	0	300	
7/09/22	83	Refer to #9024/063 for approx. test site locations.	1.94	22.5	98.0	∞ 1.98	22.5	175	0.0 Drier	99.0	5	0	0	
-	-		-	-	-	-	-	-	-	-	-	-	-	
-	-		-	-	-	-	-	-	-	-	-	-	-	
-	-		-	-	-	-	-	-	-	-	-	-	-	
NOTES:	Claye	ey Fill Ex. Onsite				Compaction	n specimens	s sampled	after comp	action.				
	Test s	ites located - Geolab Procedure 4, P	art 4.3.			Start Time:	8.00AM	Finish Tir	ne: 8.30PM					
A Hilf Rap	oid Cor	mpaction test was carried out on	a sample	taken from	each Field I	Density loca	tion to obtai	n the Con	npaction Pa	rameters ta	bulated	on this	Report.	
						Moistu	re Content:	AS 1289	2.1.1					
		ness: 200mm				•	action Test:				M	HQ.		
Hilf Densi	ty Rati	o and Hilf Moisture Variation ,Hill	f Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.1		l	/		
Field Den	sity, N	uclear Gauge: AS 1289 5.8.1				<u>Accredit</u> ea	l for compliant	<u>ce with IS</u> O/	<u>IEC</u>		_	< CROW		
Materials	Samp	led: AS 1289 1.2.1 Clause 6.4(b)		NATA	<u> 17025 - Te</u>					(Approved Signatory)			
✤ Indicate	s APC	CWD			WORLD RECOGNIS		redited Labord	atory Numbe		Issue Date: 8/9/2022				
*					ACCREDITATIO									





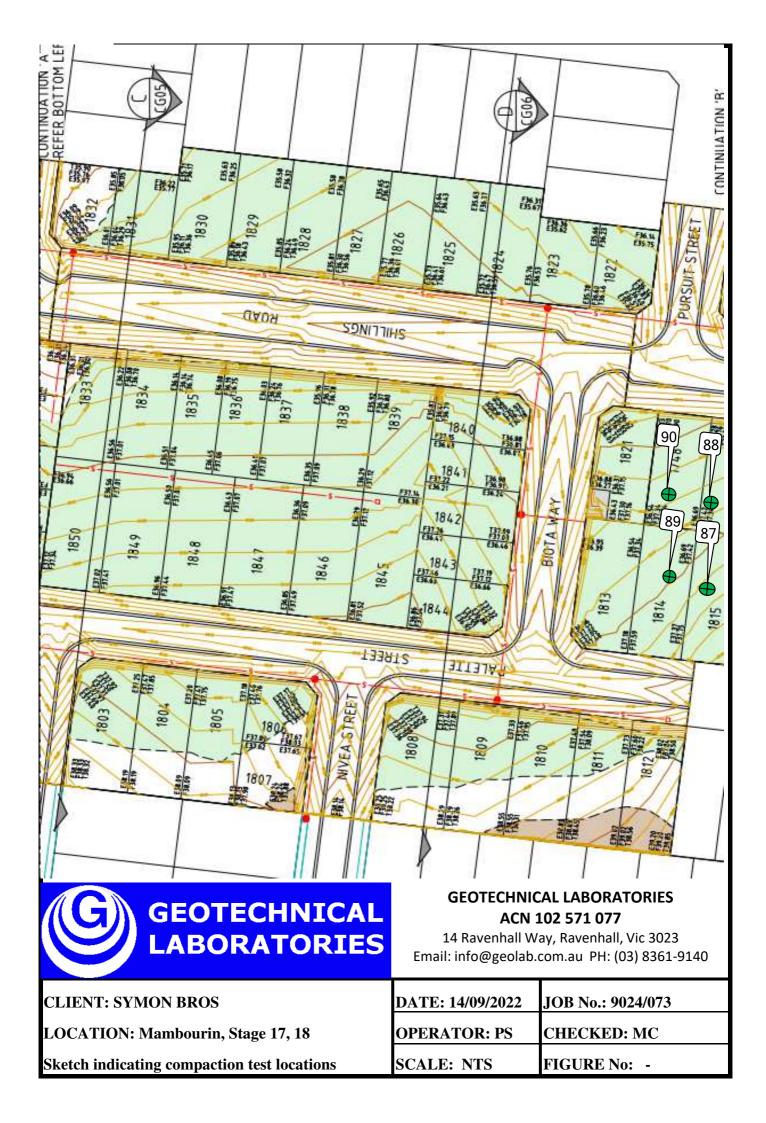
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/072

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
14/09/22	87		1.93	22.0	101.0	₩ 1.92	24.5	175	2.0 Drier	91.0	6	0	0	
14/09/22	88		1.89	23.5	98.5	1.91	25.5	175	1.5 Drier	93.0	0	0	0	
14/09/22	89	Refer to #9024/073 for	1.99	23.5	103.0	⊯ 1.94	25.5	175	1.5 Drier	93.0	11	0	0	
14/09/22	90	approx. test site locations.	2.02	26.0	105.5	1.92	24.0	175	2.0 Wetter	108.5	0	0	0	
-	-		-	-	-	-	-	-	-	-	-	-	-	
-	-		-	-	-	-	-	-	-	-	-	-	-	
NOTES:	-	ey Fill Ex. Onsite ites located - Geolab Procedure 4, F	Port 4 4			•	n specimens 12:45pm	•	•					
A Hilf Ban		mpaction test was carried out on		takon from	each Eield I		•				hulatod	on this	Report	
Α τιπι τιαρ		npaction test was carried out on	a sample	laken nom	each i leid i	-	re Content:		•		ibulateo	011 1113		
Soil Layer	thickr	ness: 200mm					action Test:			M-ID.				
1		o and Hilf Moisture Variation ,Hil	f Adjusted	(APCWD)	& Peak (PC	•					1	yes		
Field Den	sity, N	uclear Gauge: AS 1289 5.8.1				Accredited	l for compliant	ce with ISO	<i>TEC</i>		MICI	< CROW	/E	
Materials	Samp	led: AS 1289 1.2.1 Clause 6.4(b))		NATA				<u>110</u>		(Approved Signatory)			
✤ Indicate	s APC	WD			WORLD RECOGNIS		<u>NATA Accredited Laboratory Number 14561</u> Issue Date: 16/9/2022						2022	
*					ACCREDITATIO									





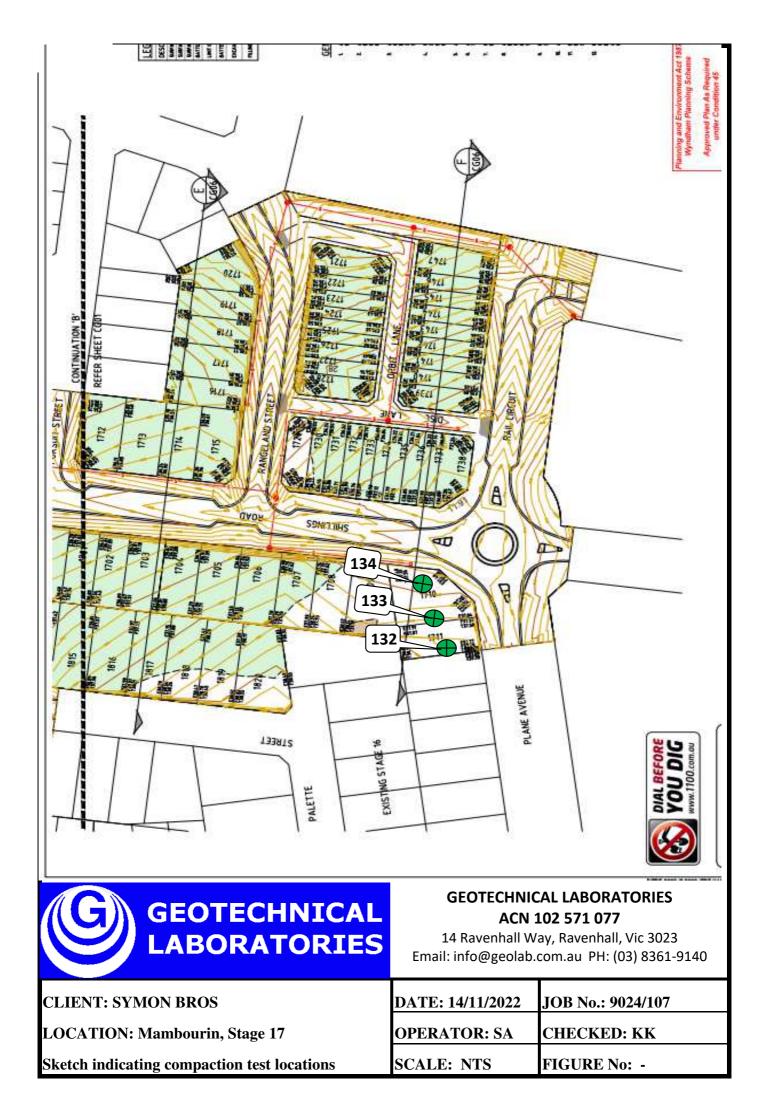
GEOTECHNICAL LABORATORIES

ACN 102 571 077

REPORT NO.: # 9024/106

14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
14/11/22	132		1.88	32.0	99.0	1.90	31.0	175	1.0 Wetter	102.5	0	0	0
14/11/22	133		1.92	34.0	102.5	1.87	31.0	175	3.0 Wetter	109.5	0	0	0
14/11/22	134	Refer to #9024/107 for approx. test site locations.	1.88	33.5	98.0	1.91	30.0	175	3.5 Wetter	111.5	0	0	0
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
NOTES:		ey Fill Ex. Onsite ites located - Geolab Procedure 4, P	art 4 4			•	n specimens 12:25pm	•	•				
A Hilf Rap		mpaction test was carried out on		taken from	each Field I		•		•		bulated	on this	Report.
						Moistu	re Content:	AS 1289	2.1.1				
Soil Layer	thickr	ness: 200mm				Compa	action Test:	AS 1289	5.7.1		M	HQ.	
Hilf Densit	ty Rati	o and Hilf Moisture Variation ,Hil	f Adjusted	(APCWD)	& Peak (PC	WD) Conve	erted Wet De	ensity AS	1289 5.7.1		[
Field Den	sity, N	uclear Gauge: AS 1289 5.8.1				Accredited	l for compliant	ce with ISO/	<u>IEC</u>			< CROW	
Materials	Samp	led: AS 1289 1.2.1 Clause 6.4(b)		NATA				_		(Approv	ed Signa	atory)
₽ ∻						ED	redited Labord	atory Numbe	<u>er 14561</u>		Issue Da	ate: 21/11/	2022





GEOTECHNICAL LABORATORIES

ACN 102 571 077 14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au PH: (03) 8361-9140

REPORT NO.: # 9024/112

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
5/06/23	138		1.92	25.0	99.5	1.93	24.5	175	0.5 Wetter	102.0	0	0	0	
5/06/23	139		1.88	24.5	96.5	1.95	24.0	175	0.0 Wetter	101.0	0	0	0	
5/06/23	140	Refer to #9024/113 for	1.99	22.0	99.5	2.01	22.0	175	0.0 Drier	100.0	0	0	0	
-	-	approx. test site locations.	-	-	-	-	-	-	-	-	-	-	-	
-	-		-	-	-	-	-	-	-	-	-	-	-	
-	-		-	-	-	-	-	-	-	-	-	-	-	
NOTES:	-	ey Fill Ex. Onsite ites located - Geolab Procedure 4, I	² art 4.4.			Compaction Start Time:	n specimen: 1.00PM	•	l after comp me: 1.40PN					
A Hilf Rap	oid Co	mpaction test was carried out on	a sample	taken from	each Field	Density loca	ation to obta	ain the Co	mpaction Pa	arameters t	abulate	d on this	Report.	
						Moistu	re Content:	AS 1289	2.1.1					
Soil Layer	r thickı	ness: 200mm				Compa	action Test:	AS 1289	5.7.1		M	HQ.		
Hilf Densi	ty Rat	io and Hilf Moisture Variation ,Hi	If Adjusted	d (APCWD)	& Peak (P0	CWD) Conv	erted Wet D	Density AS	6 1289 5.7.1		1	/		
Field Den	sity, N	uclear Gauge: AS 1289 5.8.1				Accredited	l for complian	ce with ISO	/IEC		MICK CROWE			
Materials	Samp	led: AS 1289 1.2.1 Clause 6.4(h)		NATA						(Approved Signatory)			
₩ ∻						ED	redited Labor	atory Numb	<u>er 14561</u>		Issue [Date: 8/6/2	023	

