

LEVEL ONE

Reference  
No.: 9035-072

SURVEILLANCE

AND INSPECTION REPORT

*Carried Out  
By*



PREPARED FOR: -

451 BEATTYS DEVELOPMENT PTY LTD



## Table of Contents

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## Appendices

Appendix A Construction Drawings

Appendix B Daily Field Compaction Summary Results



Client Name: 451 Beattys Development Pty Ltd

Project Name: Botania Estate Stage 7

Date: 26<sup>th</sup> of May 2023

Author: Mr. Sam Loza

Reference No.: 9035-072

Revision: 0

Project Manager: Mr. Dom Modric

### **1. Introduction & Scope**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the above-mentioned site from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022 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 451 Beattys Development Pty Ltd and was used to determine compliance of earthworks in conjunction with the requirements of AS 3798 – 2007.

- (1). Road & Drainage Layout Plan Drawing Number 3070E-007-111 (Rev. B).
- (2). Road & Drainage Layout Plan Drawing Number 3070E-007-112 (Rev. B).

General site works involved the placement of fill, using mainly on-site derived materials, to bring the fill construction regions to the required finished levels as indicated on the civil construction drawings.

### **2. Site Preparation**

Site inspections were undertaken on the 20<sup>th</sup> of October 2022 confirming that selected areas to be filled were completely stripped of topsoil prior to filling. The topsoils were stockpiled around the site for later removal off-site.

Initial proof roll inspections were performed and subsequently throughout the project duration to ensure no significant soft areas were present prior to filling.

### **3. Fill Material**

The fill material used was sourced from service trench excavations, road boxing and site cut areas. The material was screened to remove any boulders.



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

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)
- A dozer

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

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 seventy-nine compaction tests were performed on the fill construction. Results are presented in Appendix B of this report.

#### **6. Testing Frequency**

Testing frequencies were in accordance with **AS 3798 - 2007 Table 8.1 for Type 1 - 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 hlf density ratio not less than 95 percent of the maximum hlf density value as determined by the Standard Hlf 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. Statement of Compliance**

So far as can be determined, 451 Beattys Development 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 451 Beattys Development Pty Ltd from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022 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 451 Beattys Development 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 451 Beattys Development Pty Ltd and for earthworks completed at the time of inspection and testing. Any previous or subsequent earthworks will require a separate evaluation.

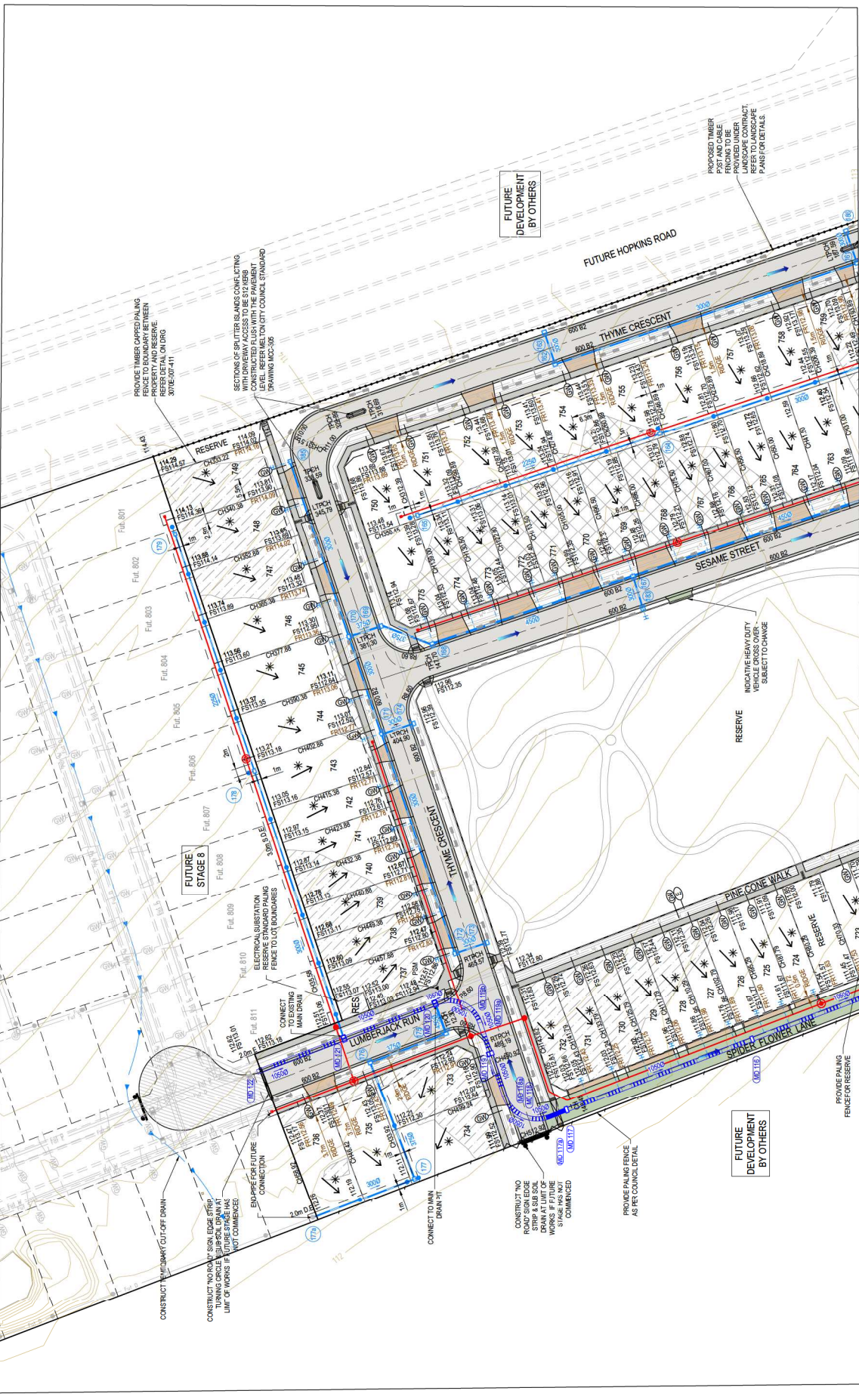
For & on behalf of  
Geotechnical Laboratories Pty Ltd.

Sam Loza  
Laboratory Manager.



LEVEL ONE  
SURVEILLANCE  
AND INSPECTION REPORT  
  
APPENDIX A






**WARNING**  
**BEWARE OF UNDERGROUND SERVICES**  
The locations of underground services are approximate **only** and their exact position should be proven on site.  
No guarantee is given that **all** existing services are shown.  
Locate **all** underground services before commencement of works.  
**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au

SERVICES OF SEWER TABLE			WATER		ELECTRICITY	OPTIC FIBRE
ROAD NAME	OFFSET (m)	DEPT (m)	DEPT (m)	DEPT (m)	DEPT (m)	DEPT (m)
WILSON DRIVE & LUMBERJACK RUN	2.00 W	2.50 W	2.50 W	3.00 E	1.50 E	
WILSON DRIVE	2.00 E	2.50 N	2.50 N	3.00 S	1.50 S	
HYMNE PRESENT LOTS 91 - 104, 146 & 73	2.00 E	2.50 N	2.50 N	3.00 S	1.50 S	
HYMNE PRESENT LOTS 750 - 760	2.00 E	2.50 W	2.50 W	3.00 E	1.50 E	
HYMNE PRESENT LOTS 760 - 771	1.00 W	1.50 N	1.50 N	3.00 S	1.50 S	
HYMNE PRESENT LOTS 771 - 785	2.00 E	2.50 N	2.50 N	3.00 E	1.50 E	
HYMNE PRESENT LOTS 787 - 745	2.00 E	2.50 N	2.50 N	3.00 E	1.50 E	
ONE CORNER WALK	2.00 E	2.50 N	2.50 N	3.00 E	1.50 E	

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD LAYOUT TABLE			KERN TYPE			
			UP TO LIP	INTO R/V	BACK TO BACK	INTWHEST	STREAST	INTWHEST	STREAST
MARGOLD DRIVE, LUMBERJACK RUN & THYME	AS	16.00	6.40	7.30	7.60	600 BZ	600 BZ	4.20	4.20
RESERVE STREET 701-710, 740-749, 758 & 754	AS	14.50	6.40	7.30	7.60	600 BZ	600 BZ	1.65	5.55
RESERVE STREET 750-759	AS	14.50	6.40	7.30	7.60	600 BZ	600 BZ	1.65	5.55
THYME PRESENT LOTS 760-769	AS	14.50	6.40	7.30	7.60	600 BZ	600 BZ	2.70	4.20
THYME PRESENT LOTS 706-711	AS	14.50	6.40	7.30	7.60	600 BZ	600 BZ	2.70	4.20
THYME PRESENT LOTS 737-743	AS	14.50	6.40	7.30	7.60	600 BZ	600 BZ	2.70	4.20
SPIDER FLOWER LANE	LANEWAY	9.00	6.00	-	-	-	-	0.75	1.25
PINE COVE WALK	PAPER ROAD	4.00	-	-	-	-	-	-	-

[illegible]


**SMEC**  
 Member of the Suburban Juring Group  
 ① A0447 006 025 146  
 Collins Square, Tower 4, Level 25, 227 Collins St  
 Melbourne, VIC 3008  
 PH 03 9350 0500



GROWLAND

MELBOURN REF 355 G5	PROJECT/DRAWING NO. 3070E-007-111	SHEET NO. 02 of 30	REVISION B
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LEVEL ONE  
SURVEILLANCE  
AND INSPECTION REPORT  
  
APPENDIX B



**GEOTECHNICAL LABORATORIES**  
**ACN 102 571 077**

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

## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/002

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
5/11/22	1	<b>Refer to #9035/003 for approx. test site locations.</b>	1.95	19.5	103.0	1.89	23.0	175	3.5 Drier	85.5	0	0	250
5/11/22	2		1.89	20.5	99.5	✱ 1.90	24.5	175	4.0 Drier	84.5	6	0	250
5/11/22	3		1.91	25.0	99.5	1.91	25.5	175	0.5 Drier	98.0	0	0	250
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Cayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 9:30am Finish Time: 9:50am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✱ Indicates APCWD

❖

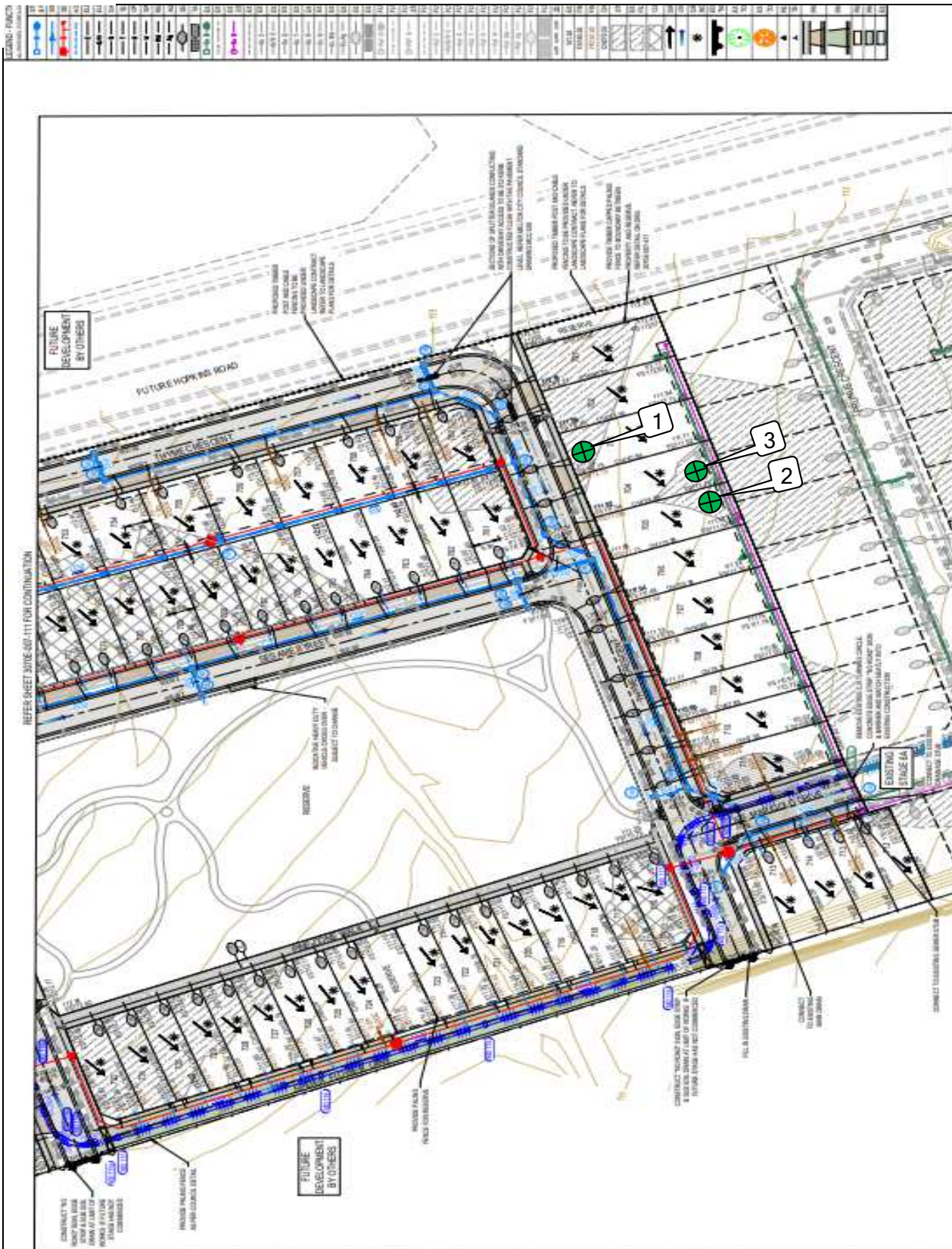


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17025 - Testing

NATA Accredited Laboratory Number 14561

**MICK CROWE**  
 (Approved Signatory)

Issue Date: 8/11/2022



**GEOTECHNICAL LABORATORIES**  
**ACN 102 571 077**

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

**CLIENT: 1152TAYLORS DEVELOPMENT**  
**LOCATION: Botania. Stage 7**  
**Sketch indicating compaction test locations**

**DATE: 5/11/2022**  
**OPERATOR: NE**  
**SCALE: NTS**

**JOB No.: 9035/003**  
**CHECKED: KK**  
**FIGURE No: -**



**GEOTECHNICAL LABORATORIES**  
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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/005

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
7/11/22	4	<b>Refer to #9035/006 for approx. test site locations.</b>	1.85	28.0	100.0	1.85	28.5	175	0.5 Drier	99.0	0	0	300
7/11/22	5		1.91	26.5	99.5	✱ 1.93	26.5	175	0.5 Wetter	101.0	4	0	300
7/11/22	6		1.91	30.5	100.5	1.91	29.5	175	1.0 Wetter	103.5	0	0	300
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 11:20am Finish Time: 11:50am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✱ Indicates APCWD



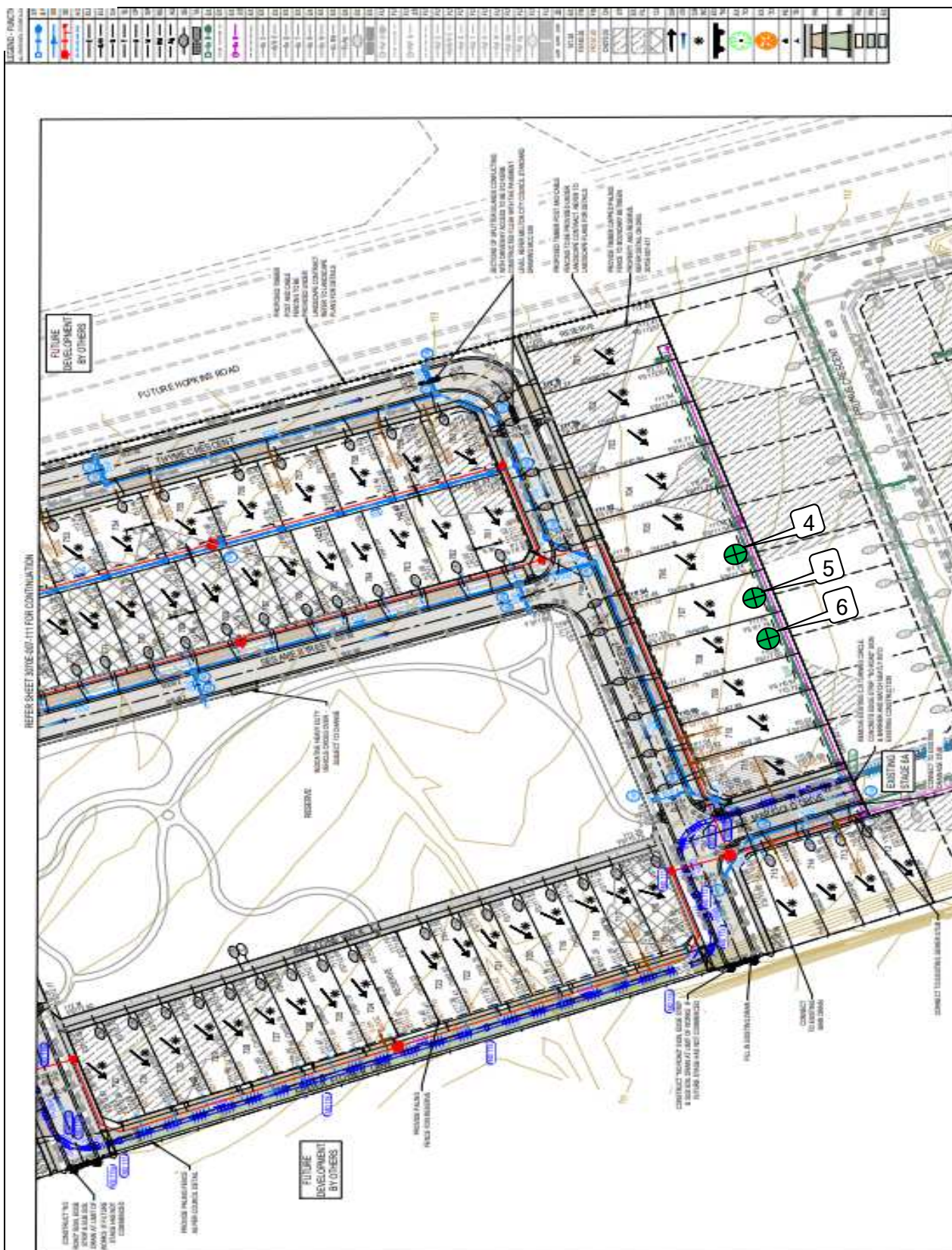
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17025 - Testing

NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 11/11/2022





# GEOTECHNICAL LABORATORIES

## GEOTECHNICAL LABORATORIES

**ACN 102 571 077**

14 Ravenhall Way, Ravenhall, Vic 3023

Email: [info@geolab.com.au](mailto:info@geolab.com.au) PH: (03) 8361-9140

**CLIENT: 1152TAYLORS DEVELOPMENT**

**LOCATION: Botania. Stage 7**

### Sketch indicating compaction test locations

**DATE: 7/11/2022**

**OPERATOR: PS**

**SCALE: NTS**

**JOB No.: 9035/006**

**CHECKED: KK**

**FIGURE No: -**



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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/009

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
8/11/22	7	<b>Refer to #9035/010 for approx. test site locations.</b>	1.92	25.5	100.5	✱ 1.91	26.0	175	1.0 Drier	97.0	9	0	150
8/11/22	8		1.93	24.5	102.0	✱ 1.89	25.0	175	0.5 Drier	97.0	6	0	150
8/11/22	9		1.82	21.0	102.0	1.79	25.5	175	5.0 Drier	81.0	0	0	150
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 11:25am Finish Time: 11:50am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✱ Indicates APCWD



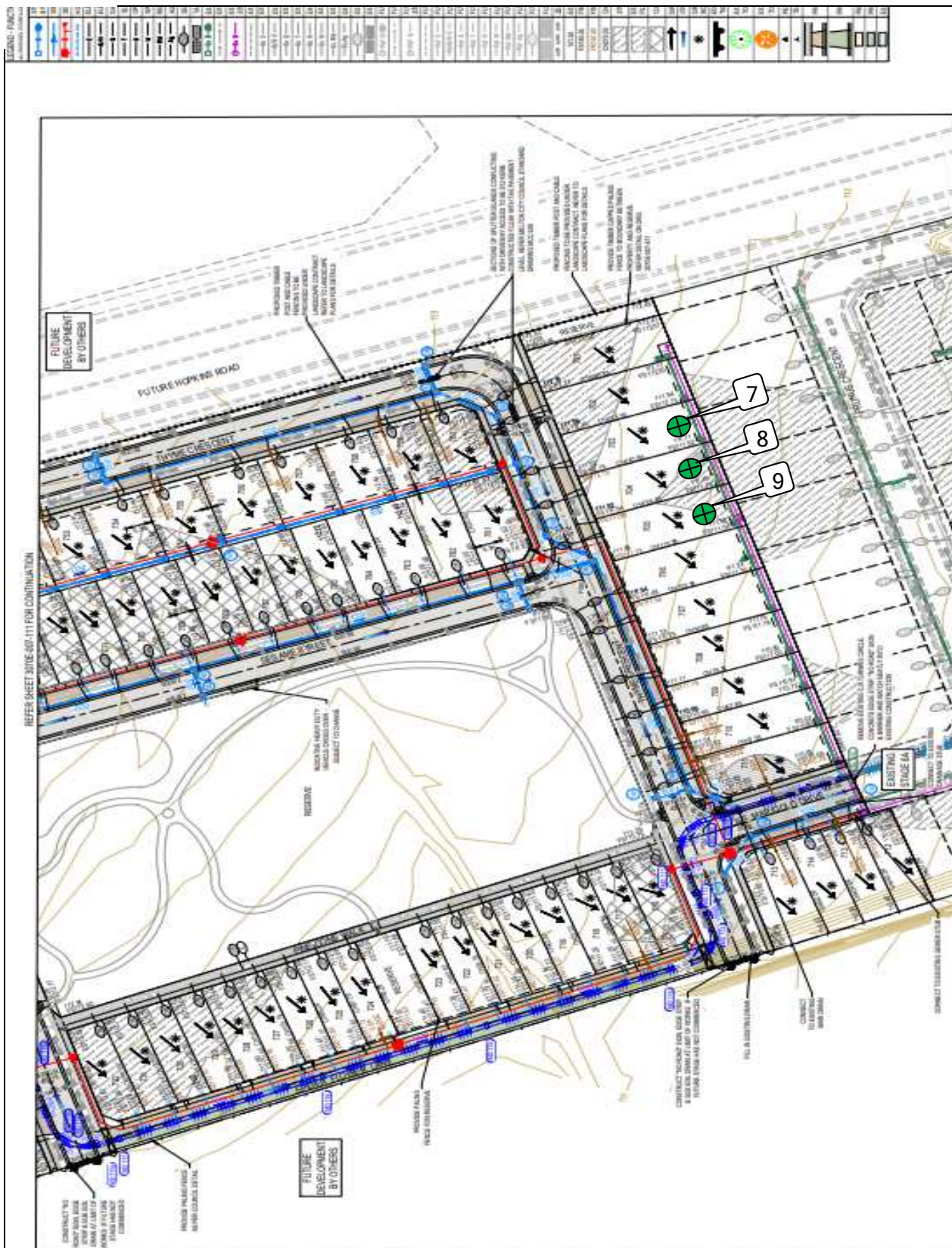
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NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 11/11/2022





# GEOTECHNICAL LABORATORIES

## GEOTECHNICAL LABORATORIES

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**CLIENT: 1152TAYLORS DEVELOPMENT**

**LOCATION:** Botania. Stage 7

### Sketch indicating compaction test locations

**DATE: 8/11/2022**

**OPERATOR: PS**

**SCALE: NTS****JOB No.: 9035/010**

**CHECKED: KK**

**FIGURE No: -**



**GEOTECHNICAL LABORATORIES**  
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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/012A

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
9/11/22	10	<b><i>Refer to #9035/013A for approx. test site locations.</i></b>	1.92	28.0	100.0	✕ 1.91	28.5	175	0.5 Drier	99.0	4	0	0
9/11/22	11		1.95	26.5	100.5	1.94	26.5	175	0.0 Drier	100.0	0	0	0
9/11/22	12		1.91	24.5	98.0	✕ 1.95	25.0	175	0.5 Drier	98.0	8	0	0
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 10:25am Finish Time: 10:40am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

This Report Supersedes Report #9035/012

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✕ Indicates APCWD



Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1



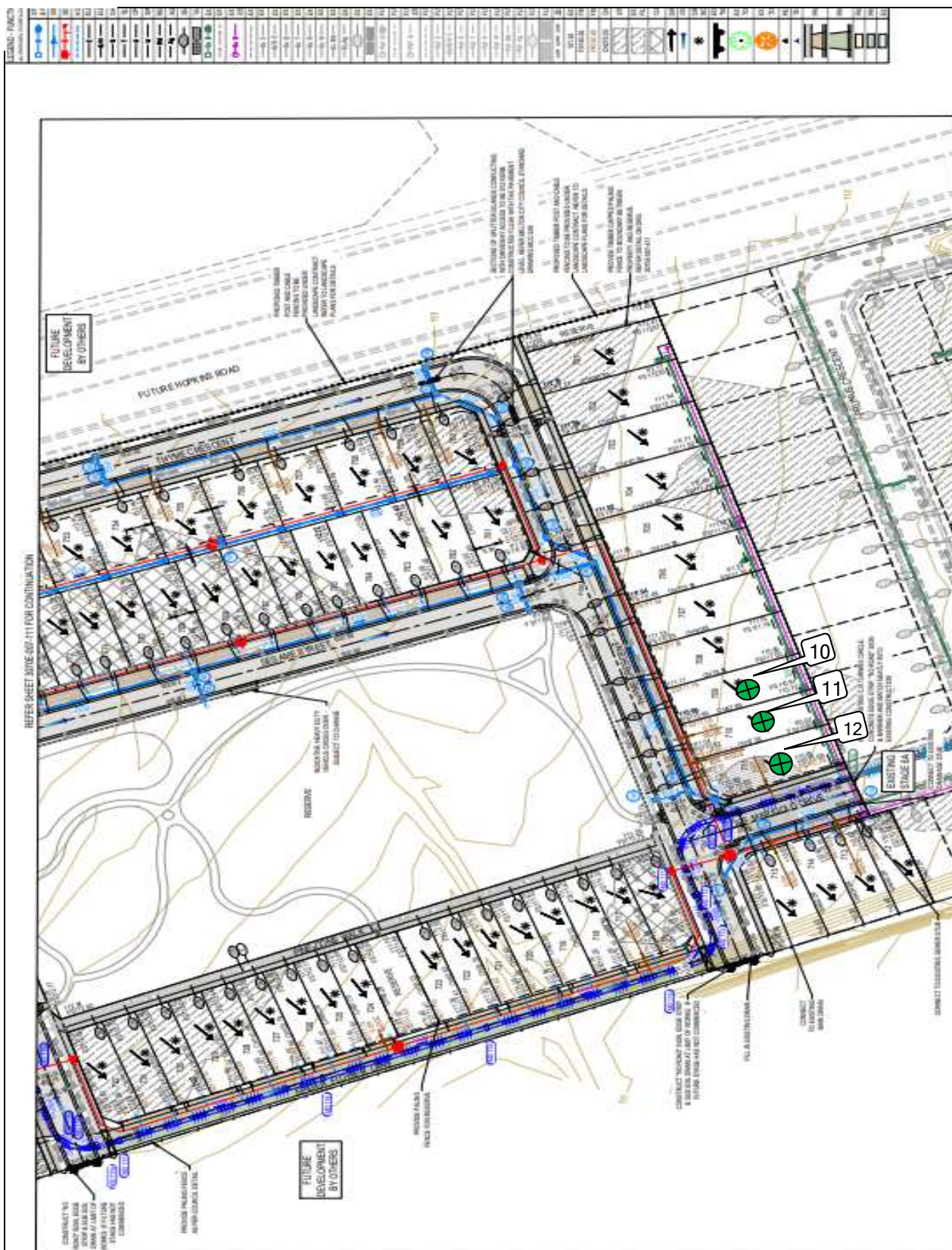
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NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 14/11/2022





# GEOTECHNICAL LABORATORIES

## GEOTECHNICAL LABORATORIES

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14 Ravenhall Way, Ravenhall, Vic 3023

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**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION:** Botania, Stage 7

### Sketch indicating compaction test locations

**DATE: 9/11/2022**

**OPERATOR: PS**

**SCALE: NTS**

**JOB No.: 9035/013A**

**CHECKED: KK**

**FIGURE No: -**



**GEOTECHNICAL LABORATORIES**  
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Email: info@geolab.com.au PH: (03) 8361-9140

## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/015

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
10/11/22	13	<b>Refer to #9035/016 for approx. test site locations.</b>	1.93	24.0	102.5	1.88	25.5	175	1.5 Drier	93.0	0	0	300
10/11/22	14		1.82	29.0	100.0	1.82	31.5	175	2.5 Drier	92.0	0	0	200
10/11/22	15		1.91	25.0	100.0	1.91	25.5	175	0.5 Drier	99.0	0	0	200
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 12:10pm Finish Time: 12:30pm

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)



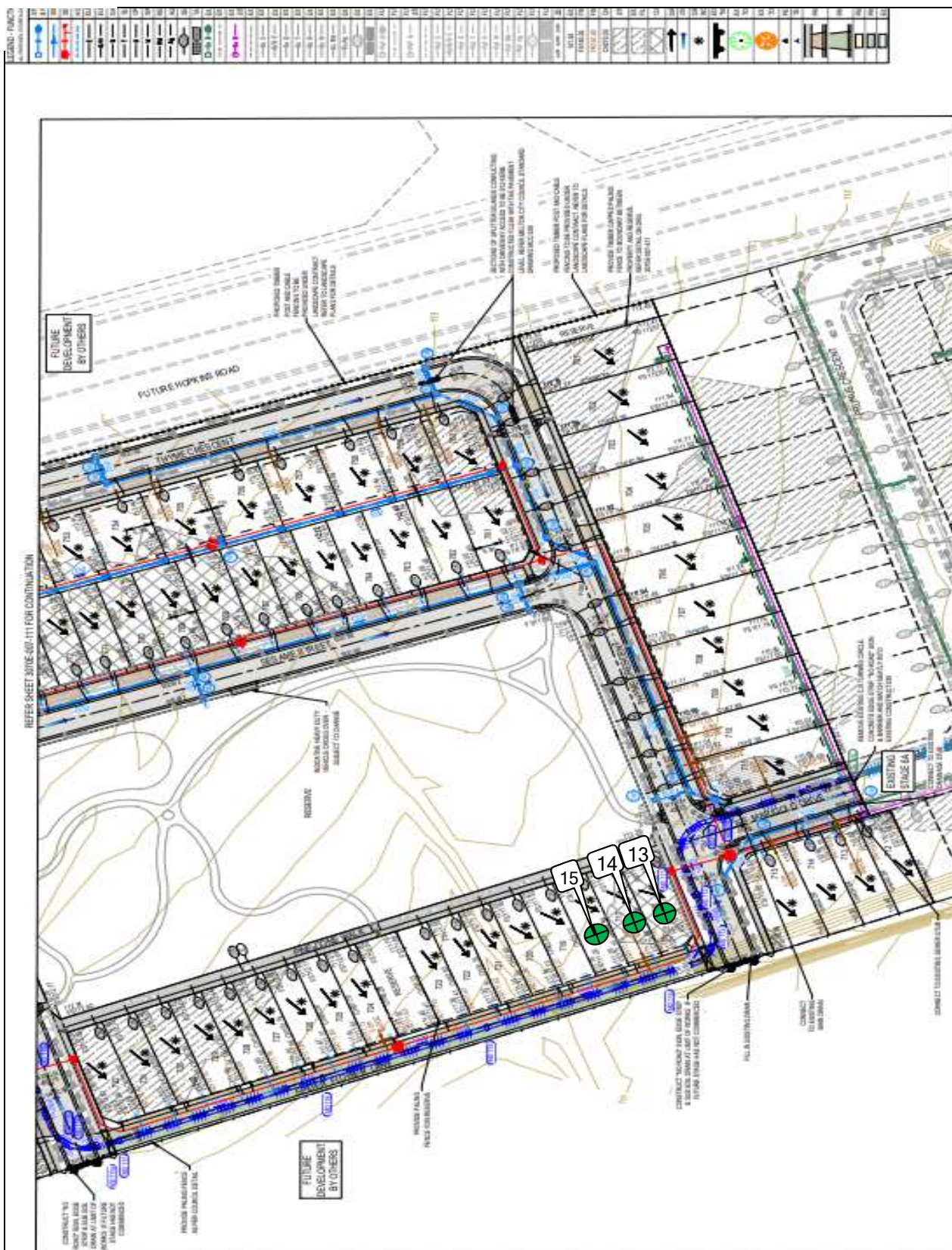
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17025 - Testing

NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 15/11/2022





# GEOTECHNICAL LABORATORIES

## GEOTECHNICAL LABORATORIES

**ACN 102 571 077**

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**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION:** Botania, Stage 7

### Sketch indicating compaction test locations

**DATE: 10/11/2022****JOB No.: 9035/016**

**OPERATOR: SA**

**CHECKED: KK**

**SCALE: NTS**

**FIGURE No: -**



**GEOTECHNICAL LABORATORIES**  
**ACN 102 571 077**

14 Ravenhall Way, Ravenhall, Vic 3023  
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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/018

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
11/11/22	16	<b>Refer to #9035/019 for approx. test site locations.</b>	1.98	27.5	108.5	✕ 1.83	29.5	175	2.5 Drier	92.5	6	0	400
11/11/22	17		2.02	26.0	109.5	✕ 1.85	29.5	175	3.0 Drier	89.5	4	0	400
11/11/22	18		2.03	25.5	108.5	✕ 1.87	29.5	175	4.0 Drier	86.5	12	0	100
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 1.00PM Finish Time: 2.30PM

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✕ Indicates APCWD



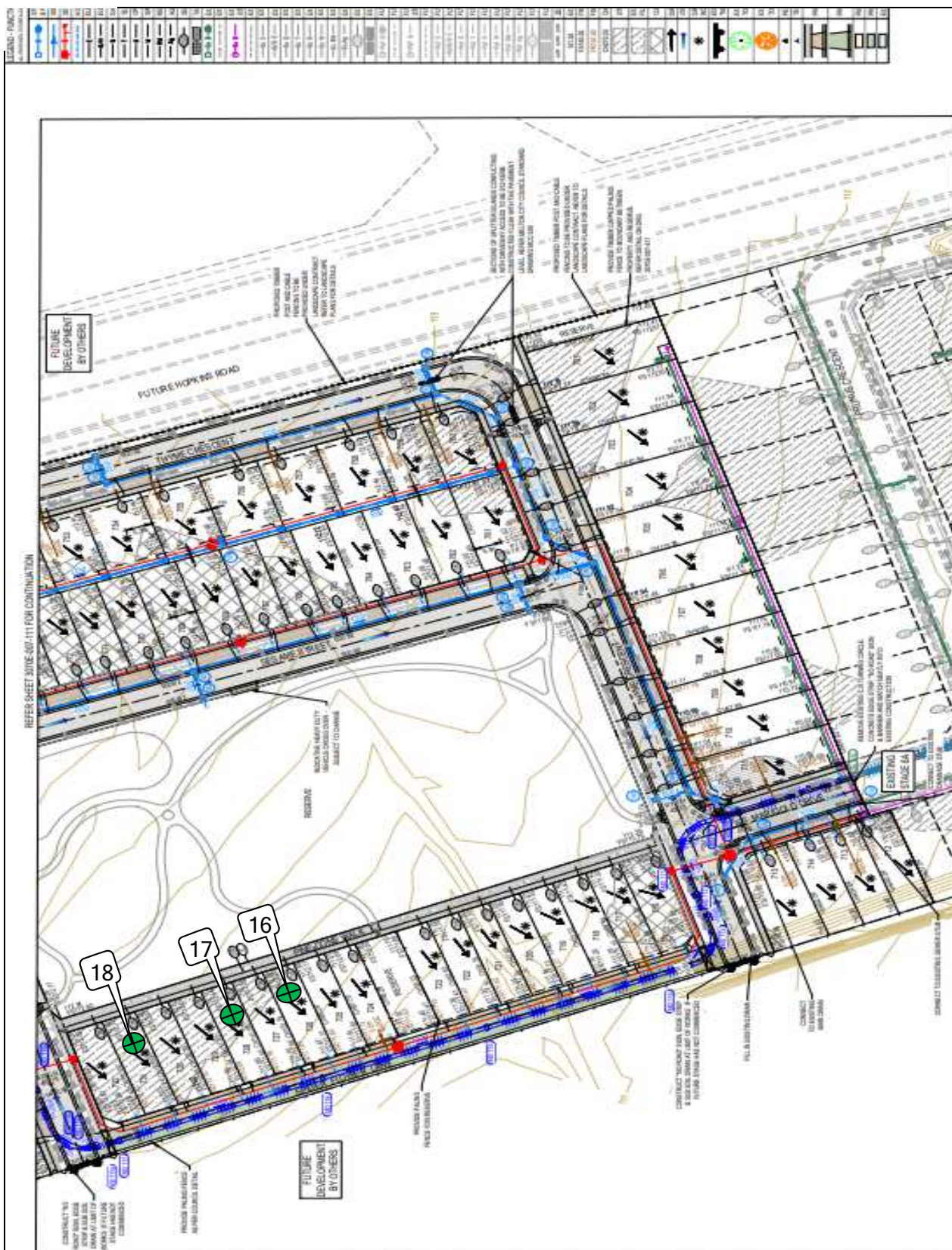
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NATA Accredited Laboratory Number 14561

**MICK CROWE**  
 (Approved Signatory)

Issue Date: 15/11/2022





# GEOTECHNICAL LABORATORIES

## GEOTECHNICAL LABORATORIES

**ACN 102 571 077**

14 Ravenhall Way, Ravenhall, Vic 3023

Email: [info@geolab.com.au](mailto:info@geolab.com.au) PH: (03) 8361-9140

**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION:** Botania, Stage 7

### Sketch indicating compaction test locations

**DATE: 11/11/2022**

**JOB No.: 9035/019**

**OPERATOR: BB**

**CHECKED: NF**

**SCALE: NTS**

**FIGURE No: -**



**GEOTECHNICAL LABORATORIES**  
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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/021

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
12/11/22	19	<b>Refer to #9035/022 for approx. test site locations.</b>	1.95	22.5	101.5	1.92	24.5	175	1.5 Drier	93.0	0	0	400
12/11/22	20		1.84	25.0	98.5	1.87	27.5	175	2.5 Drier	90.0	0	0	400
12/11/22	21		1.92	23.0	101.0	1.90	25.5	175	2.5 Drier	90.5	0	0	400
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 8.40AM Finish Time: 9.00AM

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)



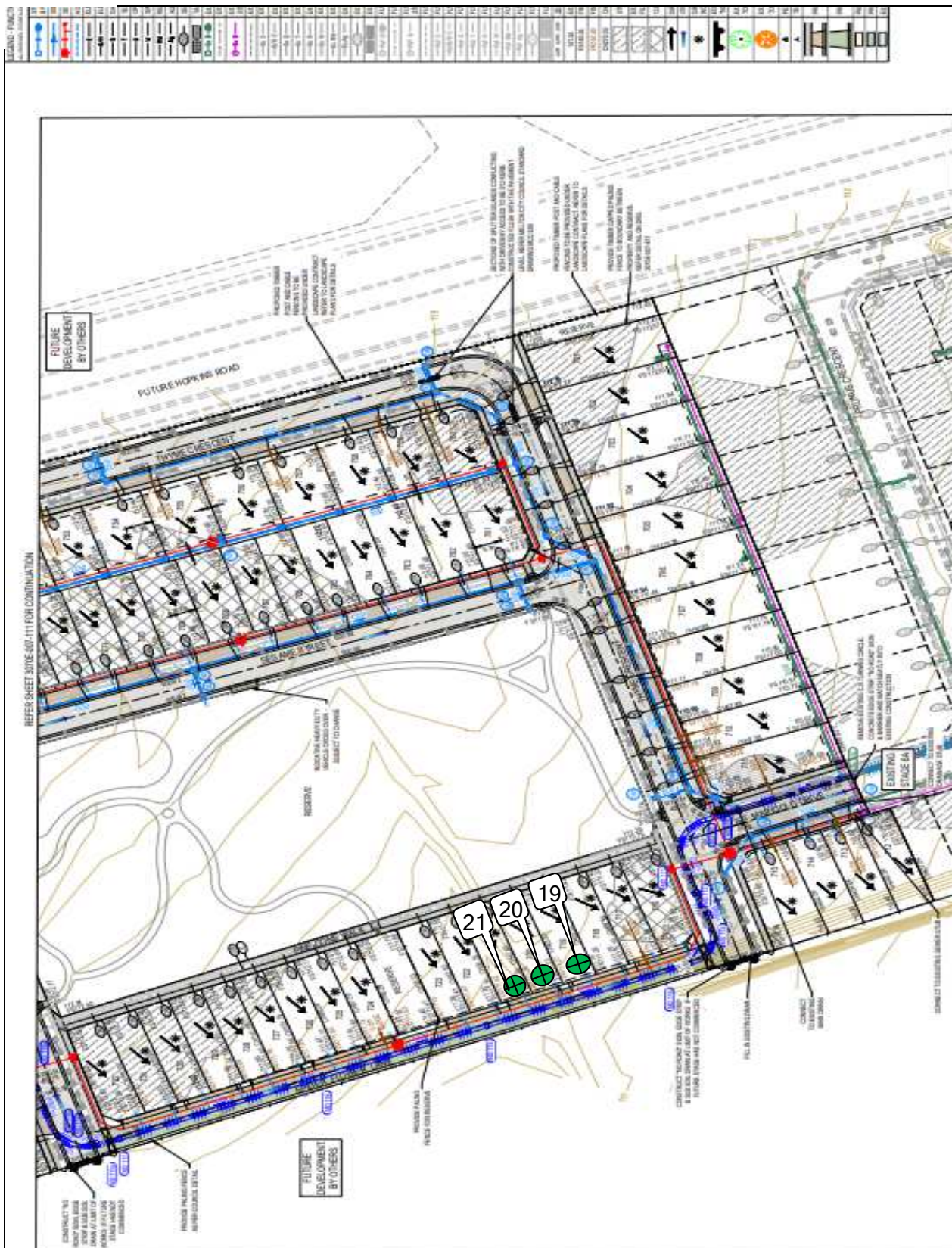
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**MICK CROWE**  
(Approved Signatory)

Issue Date: 17/11/2022





# GEOTECHNICAL LABORATORIES

## GEOTECHNICAL LABORATORIES

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**CLIENT: 1152 TAYLORS DEVELOPMENT****LOCATION:** Botania, Stage 7

### Sketch indicating compaction test locations

**DATE: 12/11/2022****JOB No.: 9035/022**

**OPERATOR: NE**

**CHECKED: NF**

**SCALE: NTS**

**FIGURE No: -**



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Email: info@geolab.com.au PH: (03) 8361-9140

## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/024

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
17/11/22	22	<b>Refer to #9035/025 for approx. test site locations.</b>	1.91	29.5	101.5	✕ 1.89	30.0	175	0.5 Drier	98.5	5	0	200
17/11/22	23		1.88	30.0	103.5	✕ 1.82	31.0	175	1.0 Drier	96.5	4	0	200
17/11/22	24		1.87	28.0	105.0	1.78	33.0	175	5.0 Drier	85.0	0	0	200
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-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 2:00pm Finish Time: 2:30pm

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✕ Indicates APCWD



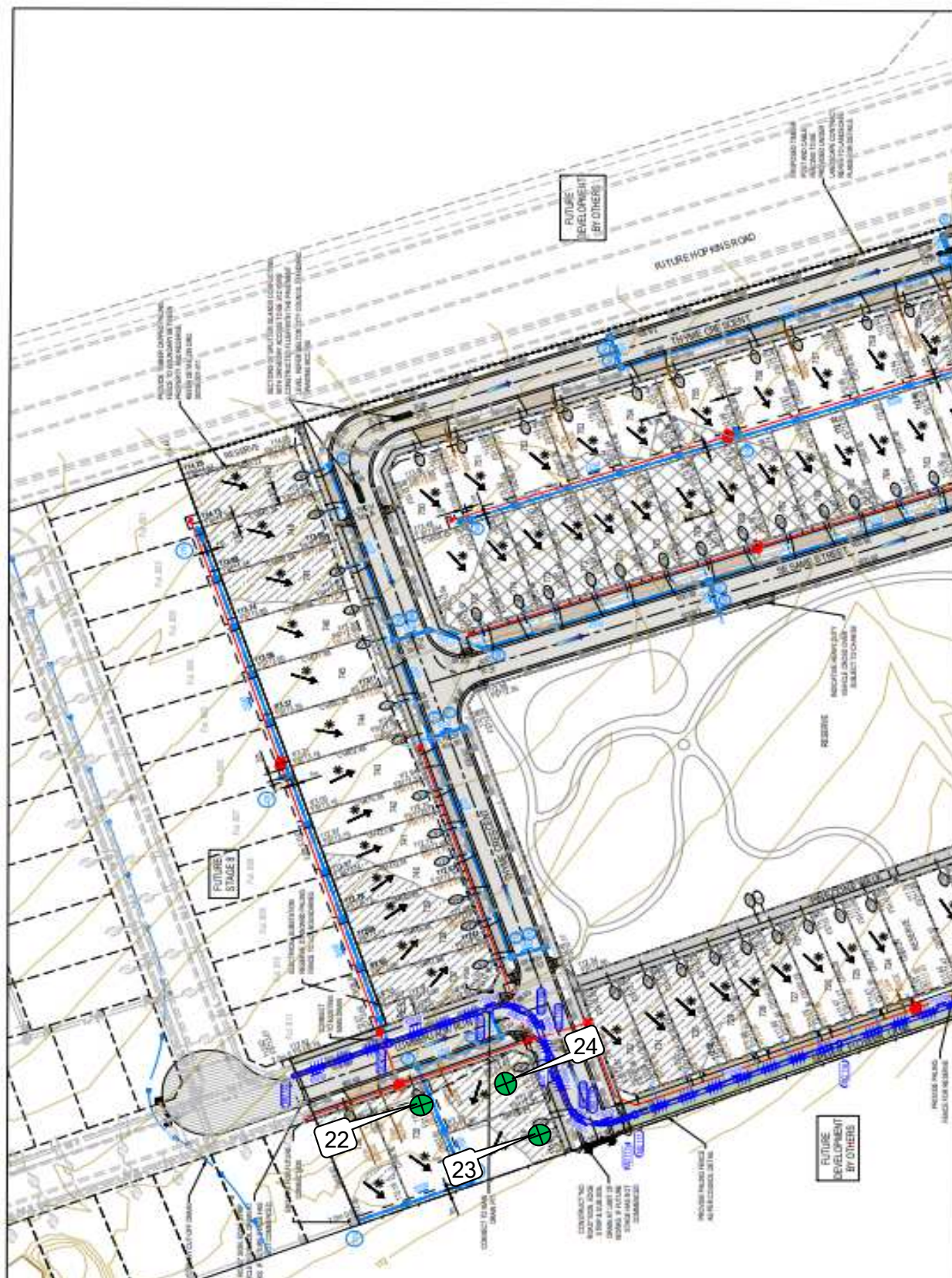
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NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 21/11/2022





REFER SHEET NINE-001-112 FOR CONTINUATION

PROJECT NAME	DATE	REVISION	DATE
1152 TAYLORS DEVELOPMENT	17/11/2022	1	17/11/2022

PROJECT NAME	DATE	REVISION	DATE
1152 TAYLORS DEVELOPMENT	17/11/2022	1	17/11/2022



**GEOTECHNICAL  
LABORATORIES**

**GEOTECHNICAL LABORATORIES**  
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**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION: Botania, Stage 7**

**Sketch indicating compaction test locations**

**DATE: 17/11/2022**

**OPERATOR: AB/FH**

**SCALE: NTS**

**JOB No.: 9035/025**

**CHECKED: KK**

**FIGURE No: -**



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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/028

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
18/11/22	25	<b>Refer to #9035/029 for approx. test site locations.</b>	1.83	28.0	98.5	1.86	29.0	175	1.0 Drier	96.5	0	0	300
18/11/22	26		1.83	30.5	97.5	✱ 1.88	29.5	175	1.0 Wetter	103.5	3	0	300
18/11/22	27		1.82	31.0	102.0	1.78	32.5	175	1.5 Drier	95.0	0	0	300
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-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 8:30am Finish Time: 9:00am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✱ Indicates APCWD



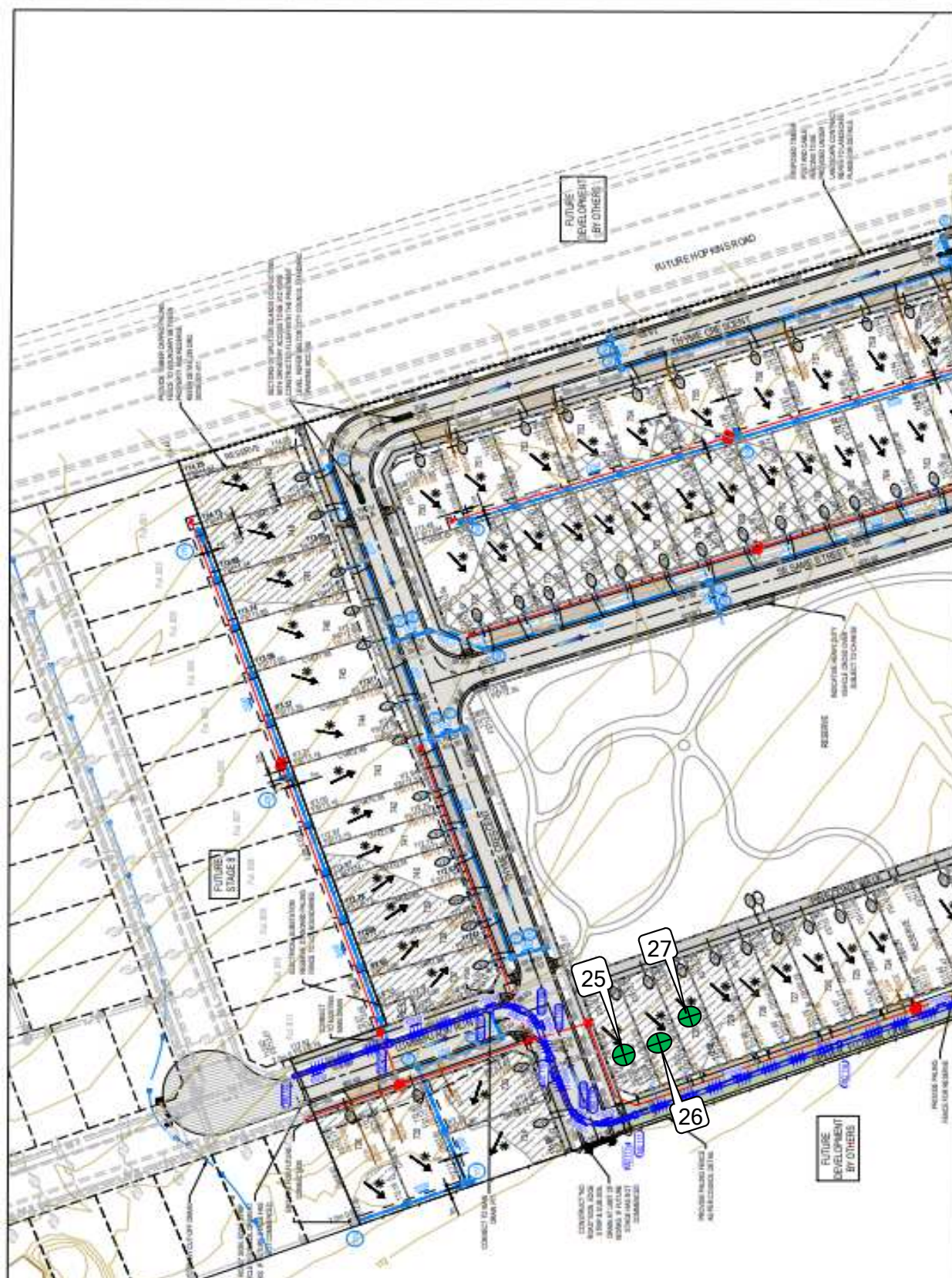
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NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 22/11/2022





Year	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

[illegible]

## GEOTECHNICAL LABORATORIES

**ACN 102 571 077**

14 Ravenhall Way, Ravenhall, Vic 3023

Email: [info@geolab.com.au](mailto:info@geolab.com.au) PH: (03) 8361-9140

**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION: Botania, Stage 7**

### Sketch indicating compaction test locations

**DATE: 18/11/2022****JOB No.: 9035/029**

## OPERATOR: SLI

**CHECKED: KK**

**SCALE: NTS**

**FIGURE No: -**





**GEOTECHNICAL LABORATORIES**  
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14 Ravenhall Way, Ravenhall, Vic 3023  
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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/031

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
21/11/22	28	<b>Refer to #9035/032 for approx. test site locations.</b>	2.07	25.5	107.5	1.92	26.0	175	0.5 Drier	98.0	0	0	500
21/11/22	29		1.90	31.5	102.5	1.85	30.5	175	1.5 Wetter	104.5	0	0	400
21/11/22	30		1.88	30.0	99.5	1.88	29.5	175	0.5 Wetter	101.0	0	0	400
-	-		-	-	-	-	-	-	-	-	-	-	-
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-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 10:10am Finish Time: 10:53am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)



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NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 22/11/2022





**GEOTECHNICAL LABORATORIES**  
ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023  
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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/033

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
22/11/22	31	<b>Refer to #9035/034 for approx. test site locations.</b>	1.83	34.5	97.5	1.87	32.0	175	2.5 Wetter	107.5	0	0	650
22/11/22	32		2.08	26.0	102.5	2.02	26.5	175	0.5 Drier	98.0	0	0	250
22/11/22	33		2.10	28.0	100.5	✱ 2.09	28.5	175	0.5 Drier	98.0	6	0	250
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 9:00am Finish Time: 9:50am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✱ Indicates APCWD



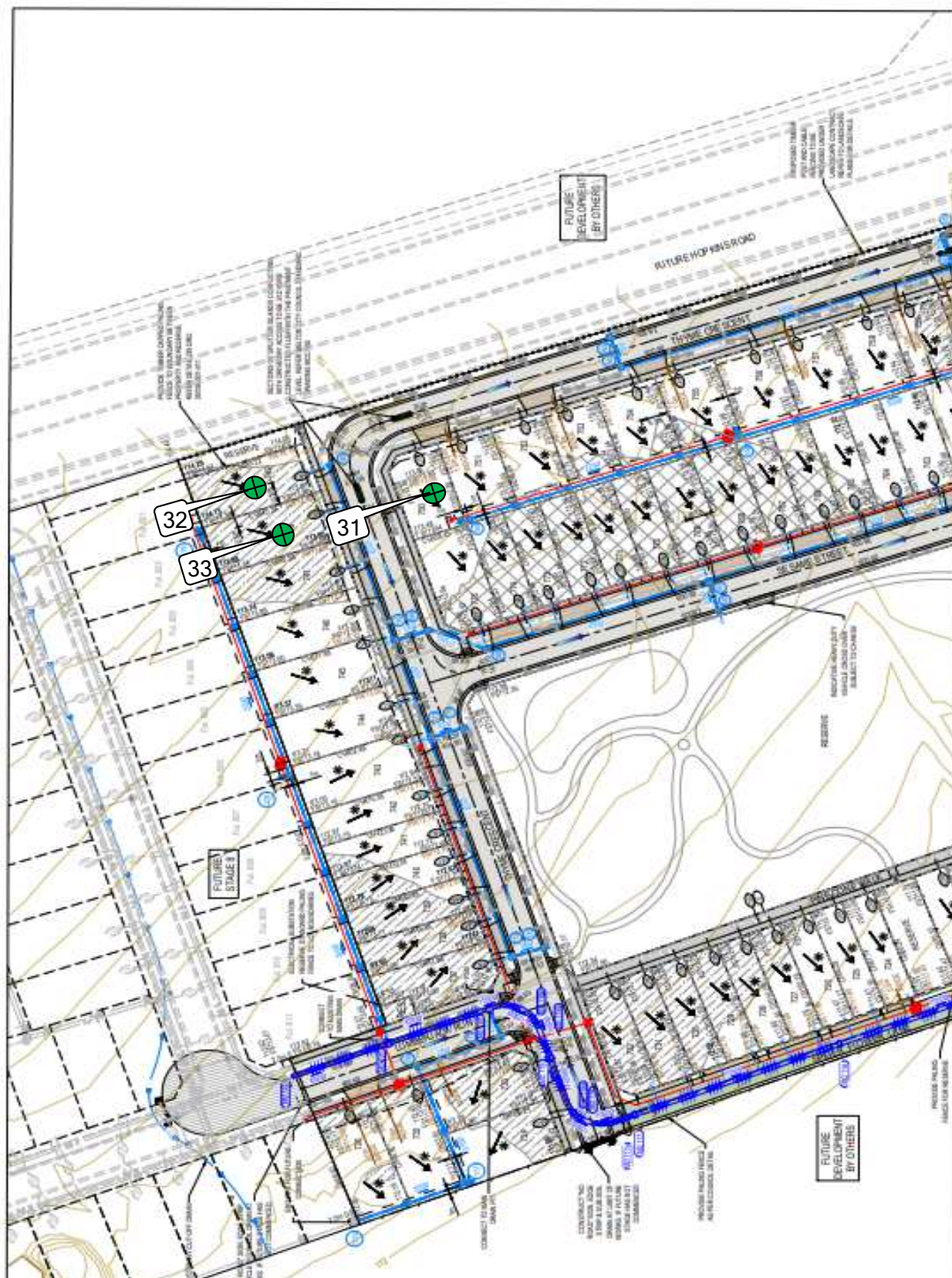
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NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 25/11/2022





REFER SHEET NINE-001-112 FOR CONTINUATION

SINGLE POINT DATA			
POINT NAME	DATE	DEPTH (m)	DEPTH (ft)
1152 TAYLORS DEVELOPMENT	22/11/2022	1.00	3.28
1152 TAYLORS DEVELOPMENT	22/11/2022	1.00	3.28

SINGLE POINT DATA			
POINT NAME	DATE	DEPTH (m)	DEPTH (ft)
1152 TAYLORS DEVELOPMENT	22/11/2022	1.00	3.28
1152 TAYLORS DEVELOPMENT	22/11/2022	1.00	3.28



**GEOTECHNICAL  
LABORATORIES**

**GEOTECHNICAL LABORATORIES**  
**ACN 102 571 077**

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

**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION: Botania, Stage 7**

**Sketch indicating compaction test locations**

**DATE: 22/11/2022**

**OPERATOR: KKA/PS**

**SCALE: NTS**

**JOB No.: 9035/034**

**CHECKED: KK**

**FIGURE No: -**



**GEOTECHNICAL LABORATORIES**  
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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/037

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
23/11/22	34	<b>Refer to #9035/038 for approx. test site locations.</b>	1.85	34.5	96.0	1.93	30.5	175	4.0 Wetter	113.0	0	0	0
23/11/22	35		1.86	27.0	97.0	1.92	26.0	175	1.0 Wetter	104.0	0	0	0
23/11/22	36		1.85	28.5	95.0	✱ 1.94	27.5	175	1.0 Wetter	103.5	3	0	0
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 9:40am Finish Time: 10:00am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✱ Indicates APCWD

❖



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**MICK CROWE**  
(Approved Signatory)

Issue Date: 28/11/2022









**GEOTECHNICAL LABORATORIES**  
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14 Ravenhall Way, Ravenhall, Vic 3023  
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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/040

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
24/11/22	37	<b><i>Refer to #9035/041 for approx. test site locations.</i></b>	1.93	26.5	101.0	1.91	27.0	175	1.0 Drier	97.0	0	0	0
24/11/22	38		1.94	27.5	102.0	1.91	30.0	175	3.0 Drier	90.5	0	0	0
24/11/22	39		1.92	28.0	101.0	1.90	31.0	175	3.0 Drier	91.0	0	0	0
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NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 12:40pm Finish Time: 1:00pm

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

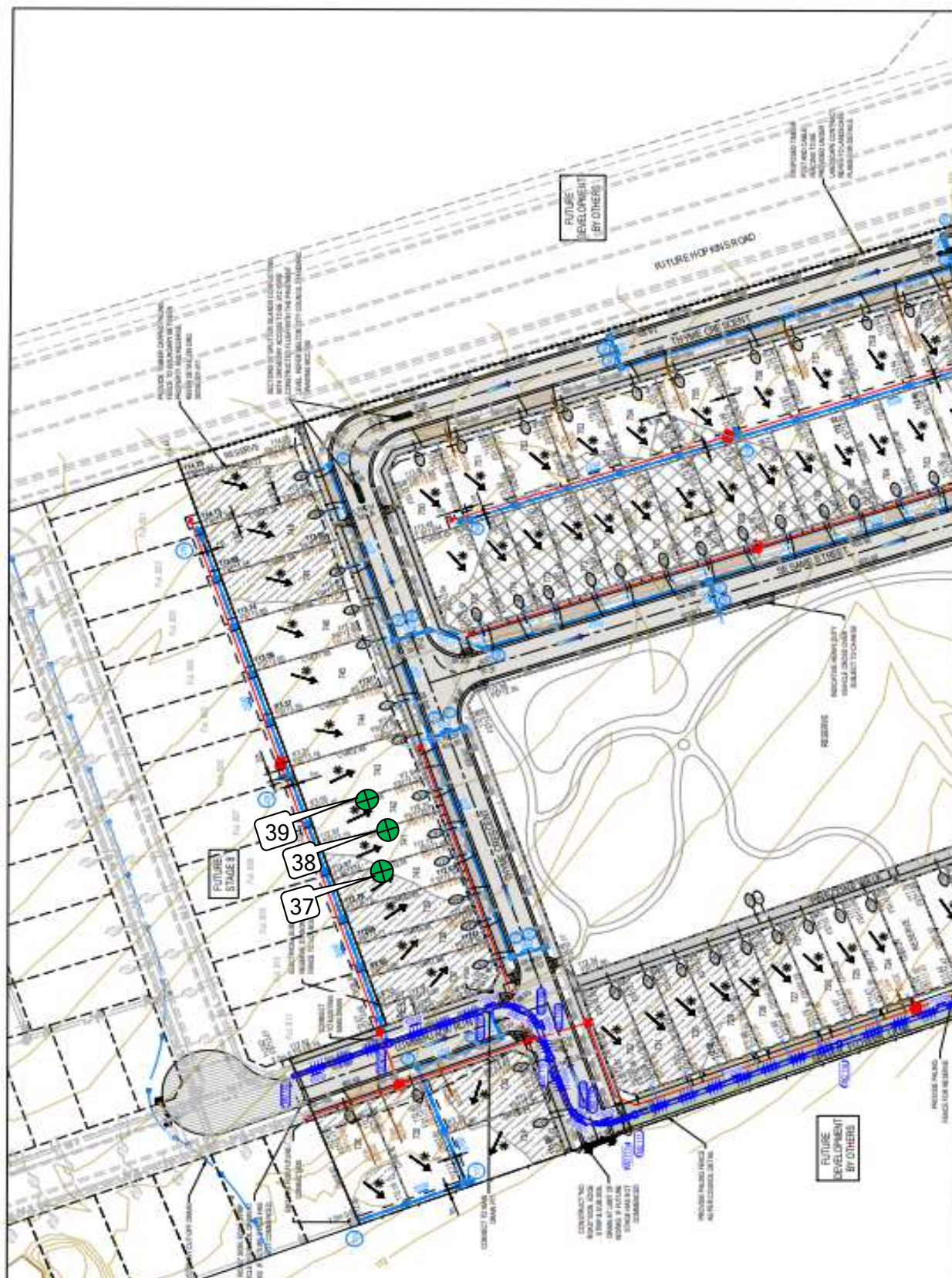


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17025 - Testing

NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 29/11/2022



REFER SHEET NINE-001-112 FOR CONTINUATION

SHEET NINE-001-112			
DATE	REVISION	DATE	REVISION
20/08/22	1	20/08/22	1
20/08/22	2	20/08/22	2

SHEET NINE-001-112			
DATE	REVISION	DATE	REVISION
20/08/22	1	20/08/22	1
20/08/22	2	20/08/22	2



**GEOTECHNICAL  
LABORATORIES**

**GEOTECHNICAL LABORATORIES**

**ACN 102 571 077**

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION: Botania, Stage 7**

**Sketch indicating compaction test locations**

**DATE: 24/11/2022**

**OPERATOR: SA**

**SCALE: NTS**

**JOB No.: 9035/041**

**CHECKED: KK**

**FIGURE No: -**



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

## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/042

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
26/11/22	43	<b><i>Refer to #9035/043 for approx. test site locations.</i></b>	1.81	28.0	95.0	1.90	26.5	175	1.5 Wetter	106.0	0	0	150
26/11/22	44		1.88	30.0	101.0	1.86	29.0	175	1.5 Wetter	104.5	0	0	150
26/11/22	45		1.87	30.5	101.0	1.86	30.0	175	1.0 Wetter	102.5	0	0	200
26/11/22	46		1.84	31.0	99.0	1.86	31.0	175	0.5 Drier	99.0	0	0	200
26/11/22	47		1.86	29.5	98.5	1.88	29.0	175	0.5 Wetter	101.0	0	0	200
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 8:45am Finish Time: 9:45am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)



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17025 - Testing

NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 30/11/2022











**GEOTECHNICAL LABORATORIES**  
**ACN 102 571 077**

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

## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/047

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
25/11/22	40	<b>Refer to #9035/048 for approx. test site locations.</b>	1.92	27.5	98.5	1.94	25.5	175	2.0 Wetter	108.0	0	0	0
25/11/22	41		1.94	26.5	101.5	1.91	26.5	175	0.0 Drier	100.0	0	0	0
25/11/22	42		1.92	25.5	101.5	1.89	26.5	175	1.0 Drier	97.0	0	0	0
-	-		-	-	-	-	-	-	-	-	-	-	-
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NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 10:35am Finish Time: 11:05am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)



Accredited for compliance with ISO/IEC  
17025 - Testing

NATA Accredited Laboratory Number 14561

**MICK CROWE**  
 (Approved Signatory)

Issue Date: 1/12/2022







**GEOTECHNICAL LABORATORIES**  
ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023  
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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/049

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
28/11/22	48	<b><i>Refer to #9035/050 for approx. test site locations.</i></b>	1.96	25.5	106.5	1.84	28.5	175	3.0 Drier	89.5	0	0	0
28/11/22	49		1.90	33.5	102.5	1.86	31.5	175	2.0 Wetter	107.0	0	0	0
28/11/22	50		1.93	29.5	105.5	1.83	30.5	175	1.0 Drier	96.5	0	0	0
-	-		-	-	-	-	-	-	-	-	-	-	-
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NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 11:00am Finish Time: 12:10am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)



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NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 1/12/2022









**GEOTECHNICAL LABORATORIES**  
ACN 102 571 077

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

## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/053

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
29/11/22	51	<b>Refer to #9035/054 for approx. test site locations.</b>	1.95	28.0	105.5	1.85	30.0	175	2.5 Drier	92.5	0	0	0
29/11/22	52		1.89	20.5	98.5	✕ 1.92	23.5	175	3.0 Drier	87.5	6	0	0
29/11/22	53		1.94	24.5	96.5	✕ 2.01	24.5	175	0.0 Drier	100.0	16	0	0
29/11/22	54		1.99	26.5	101.5	✕ 1.96	26.5	175	0.0 Drier	100.0	10	0	100
29/11/22	55		1.94	28.5	101.0	1.92	28.0	175	1.0 Wetter	103.0	0	0	100
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 11.00AM Finish Time: 11.50AM

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✕ Indicates APCWD



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NATA Accredited Laboratory Number 14561

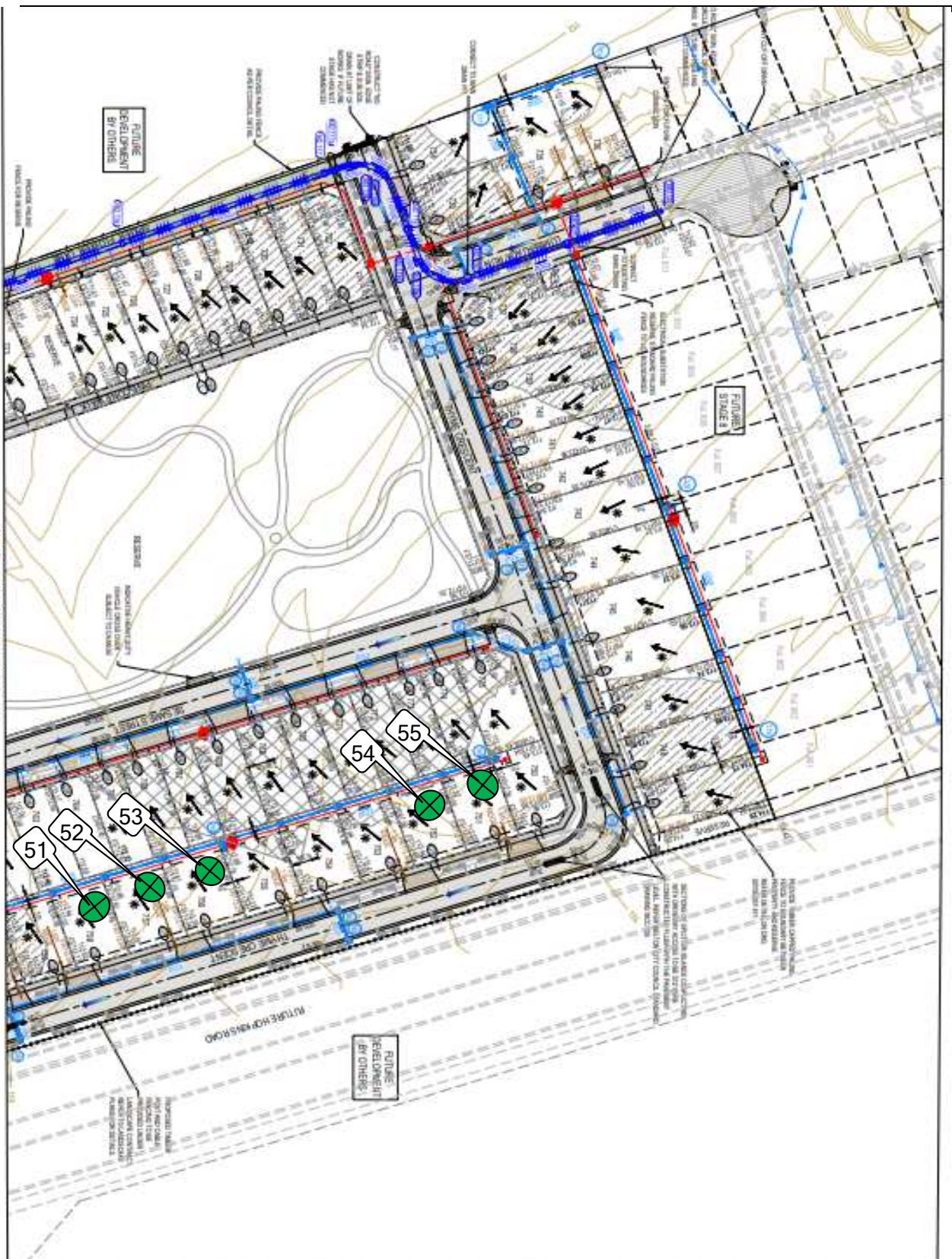
**MICK CROWE**  
(Approved Signatory)

Issue Date: 7/12/2022

NO.	DATE	BY	CHKD	APPD	REVISION
1	20/11/2022	DB			ISSUED FOR TENDERS
2	29/11/2022	DB			REVISED FOR TENDERS
3	29/11/2022	DB			REVISED FOR TENDERS
4	29/11/2022	DB			REVISED FOR TENDERS
5	29/11/2022	DB			REVISED FOR TENDERS
6	29/11/2022	DB			REVISED FOR TENDERS
7	29/11/2022	DB			REVISED FOR TENDERS
8	29/11/2022	DB			REVISED FOR TENDERS
9	29/11/2022	DB			REVISED FOR TENDERS
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11	29/11/2022	DB			REVISED FOR TENDERS
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18	29/11/2022	DB			REVISED FOR TENDERS
19	29/11/2022	DB			REVISED FOR TENDERS
20	29/11/2022	DB			REVISED FOR TENDERS

NO.	DATE	BY	CHKD	APPD	REVISION
1	20/11/2022	DB			ISSUED FOR TENDERS
2	29/11/2022	DB			REVISED FOR TENDERS
3	29/11/2022	DB			REVISED FOR TENDERS
4	29/11/2022	DB			REVISED FOR TENDERS
5	29/11/2022	DB			REVISED FOR TENDERS
6	29/11/2022	DB			REVISED FOR TENDERS
7	29/11/2022	DB			REVISED FOR TENDERS
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17	29/11/2022	DB			REVISED FOR TENDERS
18	29/11/2022	DB			REVISED FOR TENDERS
19	29/11/2022	DB			REVISED FOR TENDERS
20	29/11/2022	DB			REVISED FOR TENDERS

REFER SHEET 1000-011 FOR CONTINUATION



**GEOTECHNICAL  
LABORATORIES**

**GEOTECHNICAL LABORATORIES**

**ACN 102 571 077**

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION: Botania, Stage 7**

**Sketch indicating compaction test locations**

**DATE: 29/11/2022**

**OPERATOR: DB**

**SCALE: NTS**

**JOB No.: 9035/054**

**CHECKED: NF**

**FIGURE No: -**



**GEOTECHNICAL LABORATORIES**  
ACN 102 571 077

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

## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/055

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
30/11/22	56	<b>Refer to #9035/056 for approx. test site locations.</b>	1.91	30.0	102.5	1.86	29.0	175	1.0 Wetter	102.5	0	0	0
30/11/22	57		1.88	29.5	98.5	1.90	28.5	175	1.5 Wetter	104.5	0	0	0
30/11/22	58		1.85	25.5	96.0	✱ 1.92	26.0	175	0.5 Drier	98.0	4	0	0
-	-		-	-	-	-	-	-	-	-	-	-	-
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NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 12.30PM Finish Time: 1.00PM

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✱ Indicates APCWD

❖



Accredited for compliance with ISO/IEC  
17025 - Testing

NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 7/12/2022



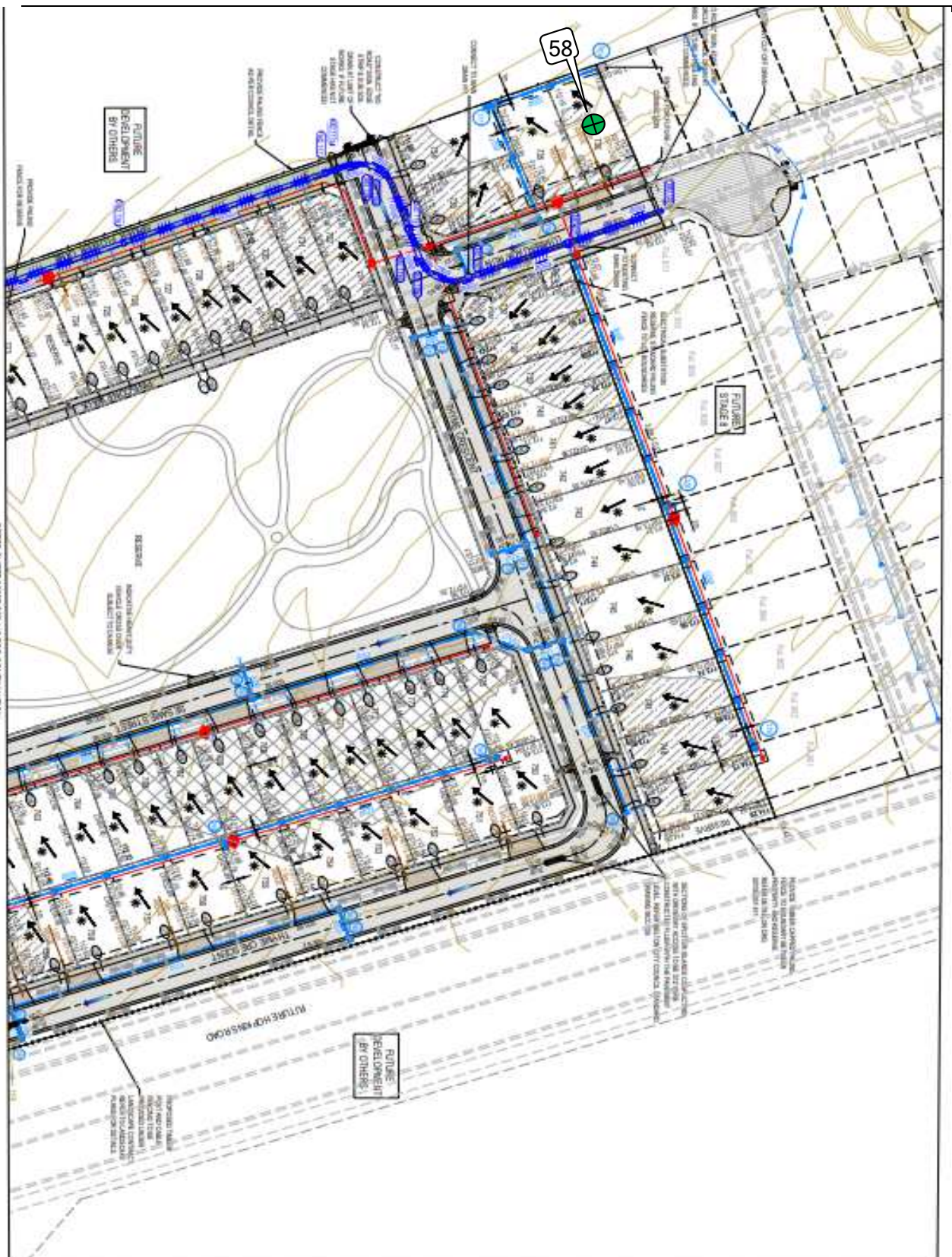




NO.	DATE	BY	CHKD	APPD	REVISION
1	30/11/2022	ACN			ISSUED FOR TENDERS
2	30/11/2022	ACN			ISSUED FOR TENDERS
3	30/11/2022	ACN			ISSUED FOR TENDERS
4	30/11/2022	ACN			ISSUED FOR TENDERS
5	30/11/2022	ACN			ISSUED FOR TENDERS
6	30/11/2022	ACN			ISSUED FOR TENDERS
7	30/11/2022	ACN			ISSUED FOR TENDERS
8	30/11/2022	ACN			ISSUED FOR TENDERS
9	30/11/2022	ACN			ISSUED FOR TENDERS
10	30/11/2022	ACN			ISSUED FOR TENDERS

NO.	DATE	BY	CHKD	APPD	REVISION
1	30/11/2022	ACN			ISSUED FOR TENDERS
2	30/11/2022	ACN			ISSUED FOR TENDERS
3	30/11/2022	ACN			ISSUED FOR TENDERS
4	30/11/2022	ACN			ISSUED FOR TENDERS
5	30/11/2022	ACN			ISSUED FOR TENDERS
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7	30/11/2022	ACN			ISSUED FOR TENDERS
8	30/11/2022	ACN			ISSUED FOR TENDERS
9	30/11/2022	ACN			ISSUED FOR TENDERS
10	30/11/2022	ACN			ISSUED FOR TENDERS

REFER SHEET NAME A01-112 FOR CONTINUATION



**GEOTECHNICAL  
LABORATORIES**

**GEOTECHNICAL LABORATORIES**

**ACN 102 571 077**

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION: Botania, Stage 7**

**Sketch indicating compaction test locations**

**DATE: 30/11/2022**

**OPERATOR: KOB**

**SCALE: NTS**

**JOB No.: 9035/056**

**CHECKED: NF**

**FIGURE No: 2 of 2**



**GEOTECHNICAL LABORATORIES**  
ACN 102 571 077

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

## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/057

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton. Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
8/12/22	62	<b>Refer to #9035/058 for approx. test site locations.</b>	1.81	28.0	99.0	1.83	29.5	175	1.5 Drier	95.5	0	0	200
8/12/22	63		1.84	26.5	99.0	1.86	26.5	175	0.0 Drier	100.0	0	0	200
8/12/22	64		1.96	28.0	101.5	1.93	26.5	175	1.5 Wetter	105.0	0	0	200
8/12/22	65		1.88	28.0	98.0	1.92	26.5	175	1.5 Wetter	106.0	0	0	200
8/12/22	66		1.85	24.0	99.0	1.87	24.5	175	0.5 Drier	98.0	0	0	200
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Silty Clay Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 8:40am Finish Time: 10:15am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)



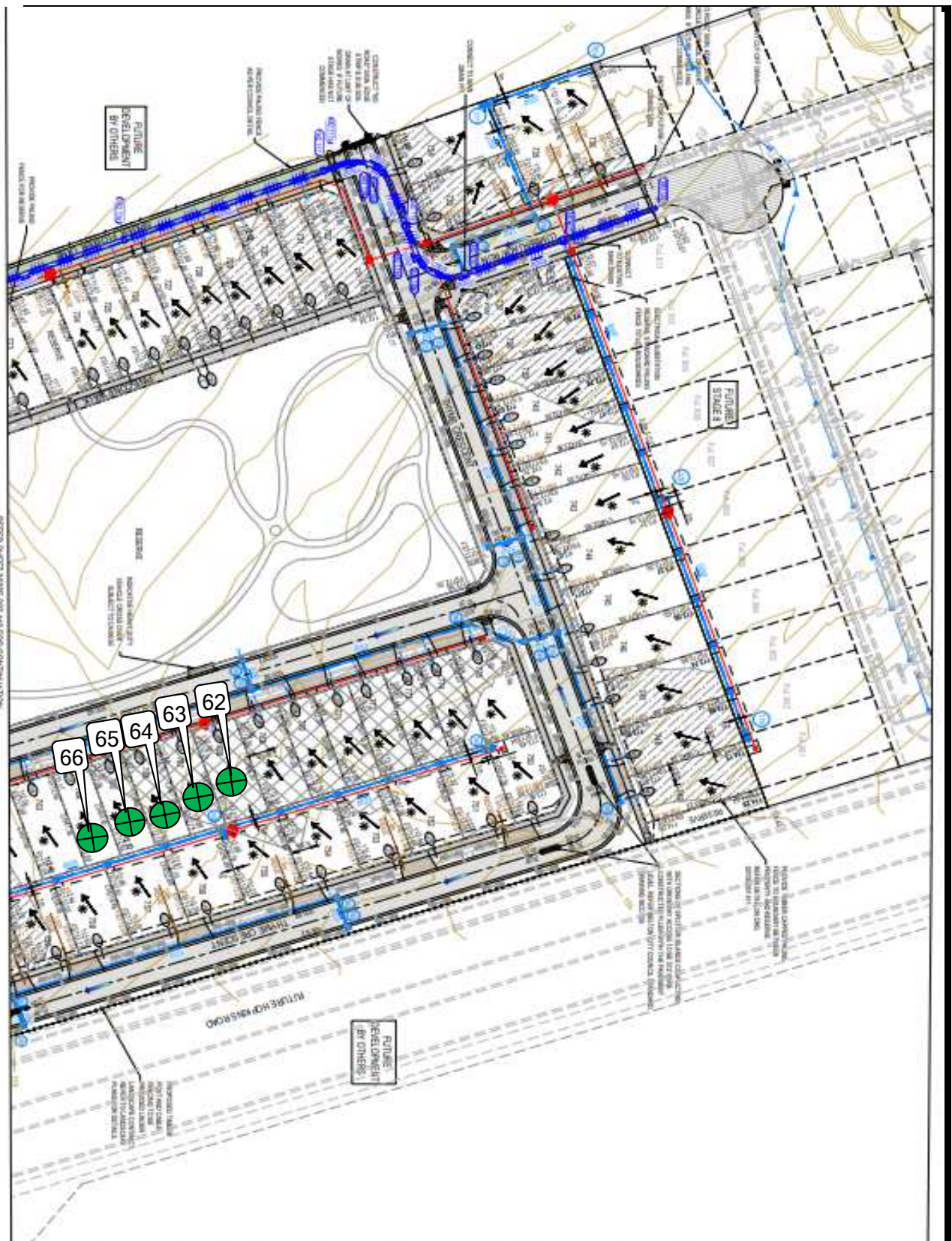
Accredited for compliance with ISO/IEC  
17025 - Testing

NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 12/12/2022





## GEOTECHNICAL LABORATORIES

14 Ravenhall Way, Ravenhall, Vic 3023

**CLIENT: 1152 TAYLORS DEVELOPMENT****JOB No.: 9035/058****LOCATION:** Botania, Stage 7

**FIGURE No: -**

### Sketch indicating compaction test locations



GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/060

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
7/12/22	59	<b>Refer to #9035/061 for approx. test site locations.</b>	1.82	36.5	99.5	1.84	35.5	175	1.0 Wetter	102.5	0	0	300
7/12/22	60		1.88	31.5	102.0	1.85	30.5	175	1.0 Wetter	103.5	0	0	200
7/12/22	61		1.87	32.0	101.0	1.85	31.5	175	0.5 Wetter	101.0	0	0	200
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 12:05pm Finish Time: 12:45pm

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)



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NATA Accredited Laboratory Number 14561

MICK CROWE  
(Approved Signatory)

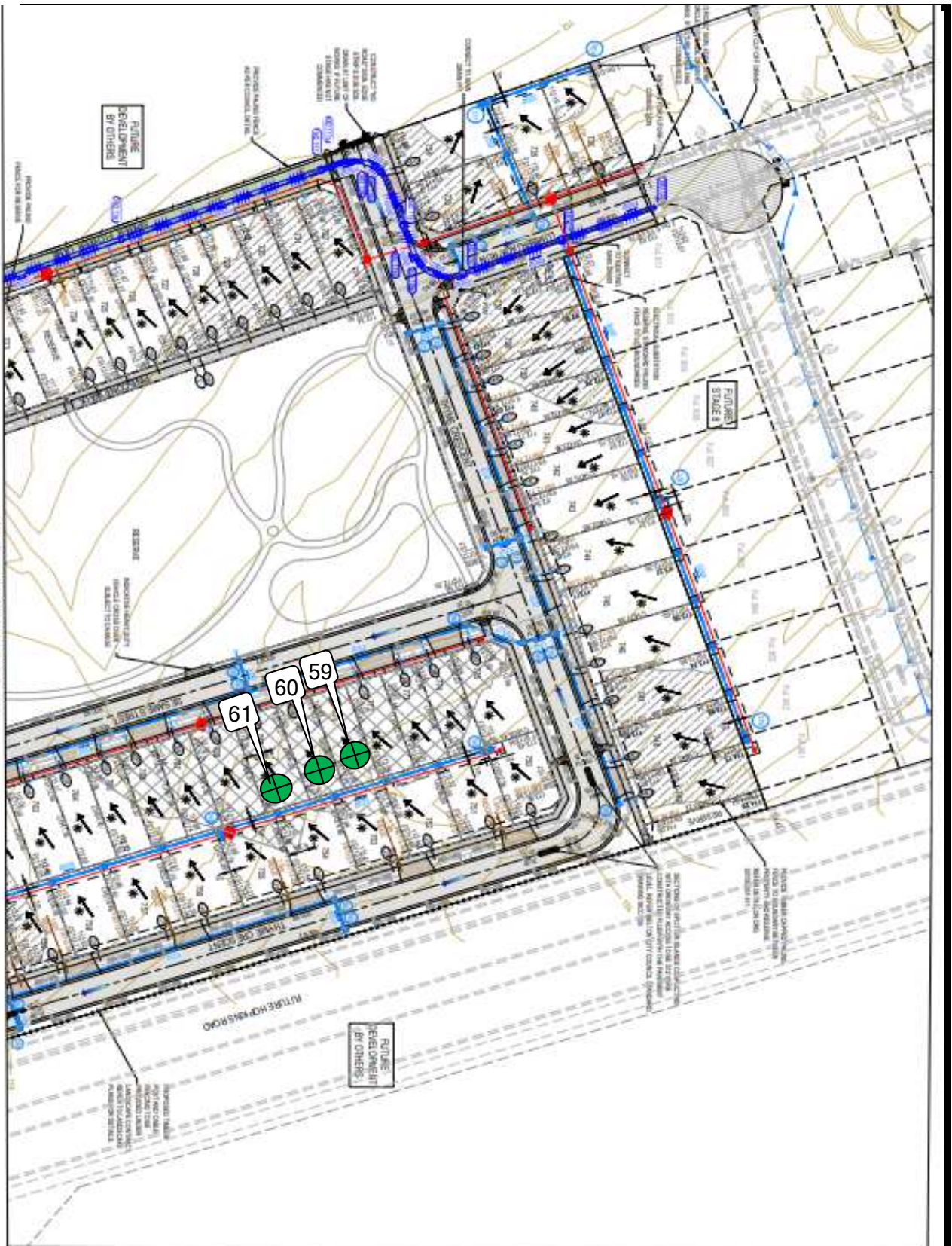
Issue Date: 12/12/2022



SHEET TITLE		SHEET NO.		SHEET DATE	
CLIENT	1152 TAYLORS DEVELOPMENT	1	1	1	1
PROJECT	1152 TAYLORS DEVELOPMENT	1	1	1	1
DATE	11/11/22	1	1	1	1
BY	11/11/22	1	1	1	1
CHECKED	11/11/22	1	1	1	1
APPROVED	11/11/22	1	1	1	1

SHEET TITLE		SHEET NO.		SHEET DATE	
CLIENT	1152 TAYLORS DEVELOPMENT	1	1	1	1
PROJECT	1152 TAYLORS DEVELOPMENT	1	1	1	1
DATE	11/11/22	1	1	1	1
BY	11/11/22	1	1	1	1
CHECKED	11/11/22	1	1	1	1
APPROVED	11/11/22	1	1	1	1

REFER SHEET 1152-01 FOR CONTINUATION



**GEOTECHNICAL  
LABORATORIES**

**GEOTECHNICAL LABORATORIES**

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**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION: Botania, Stage 7**

**Sketch indicating compaction test locations**

**DATE: 8/12/2022**

**OPERATOR: KKA/**

**SCALE: NTS**

**JOB No.: 9035/061**

**CHECKED: KK**

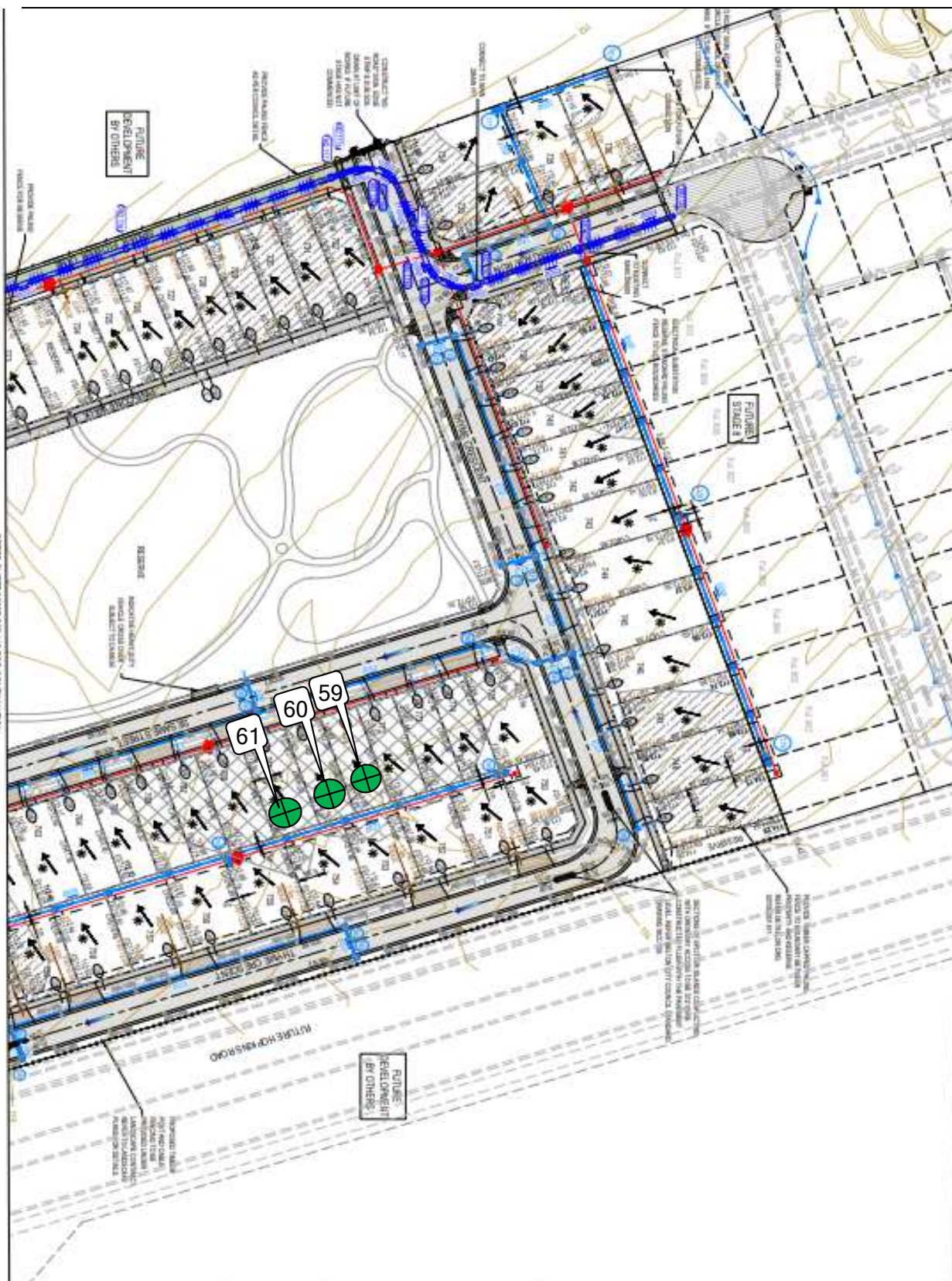
**FIGURE No: -**



SHEET LIST	
NO.	DATE
1	2021/11/11
2	2021/11/11
3	2021/11/11
4	2021/11/11
5	2021/11/11
6	2021/11/11
7	2021/11/11
8	2021/11/11
9	2021/11/11
10	2021/11/11

SHEET LIST	
NO.	DATE
1	2021/11/11
2	2021/11/11
3	2021/11/11
4	2021/11/11
5	2021/11/11
6	2021/11/11
7	2021/11/11
8	2021/11/11
9	2021/11/11
10	2021/11/11

REFER SHEET NAME 001-112 FOR CONTINUATION



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**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION: Botania, Stage 7**

**Sketch indicating compaction test locations**

**DATE: 8/12/2022**

**OPERATOR: KKA/**

**SCALE: NTS**

**JOB No.: 9035/061**

**CHECKED: KK**

**FIGURE No: -**





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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/063

LOCATION: 1152 TAYLORS DEVELOPMENT- Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
9/12/22	67	<b>Refer to #9035/064 for approx. test site locations.</b>	1.88	35.0	100.5	1.86	33.0	175	1.5 Wetter	105.0	0	0	200
9/12/22	68		1.82	32.5	101.0	1.80	32.5	175	0.0 Drier	100.0	0	0	200
9/12/22	69		1.80	34.5	98.0	1.84	33.5	175	1.0 Wetter	102.5	0	0	200
9/12/22	70		1.86	34.0	102.0	1.82	34.0	175	0.5 Drier	99.0	0	0	200
9/12/22	71		1.81	28.0	99.5	1.81	29.5	175	2.0 Drier	94.0	0	0	200
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 9:25am Finish Time: 11:30am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

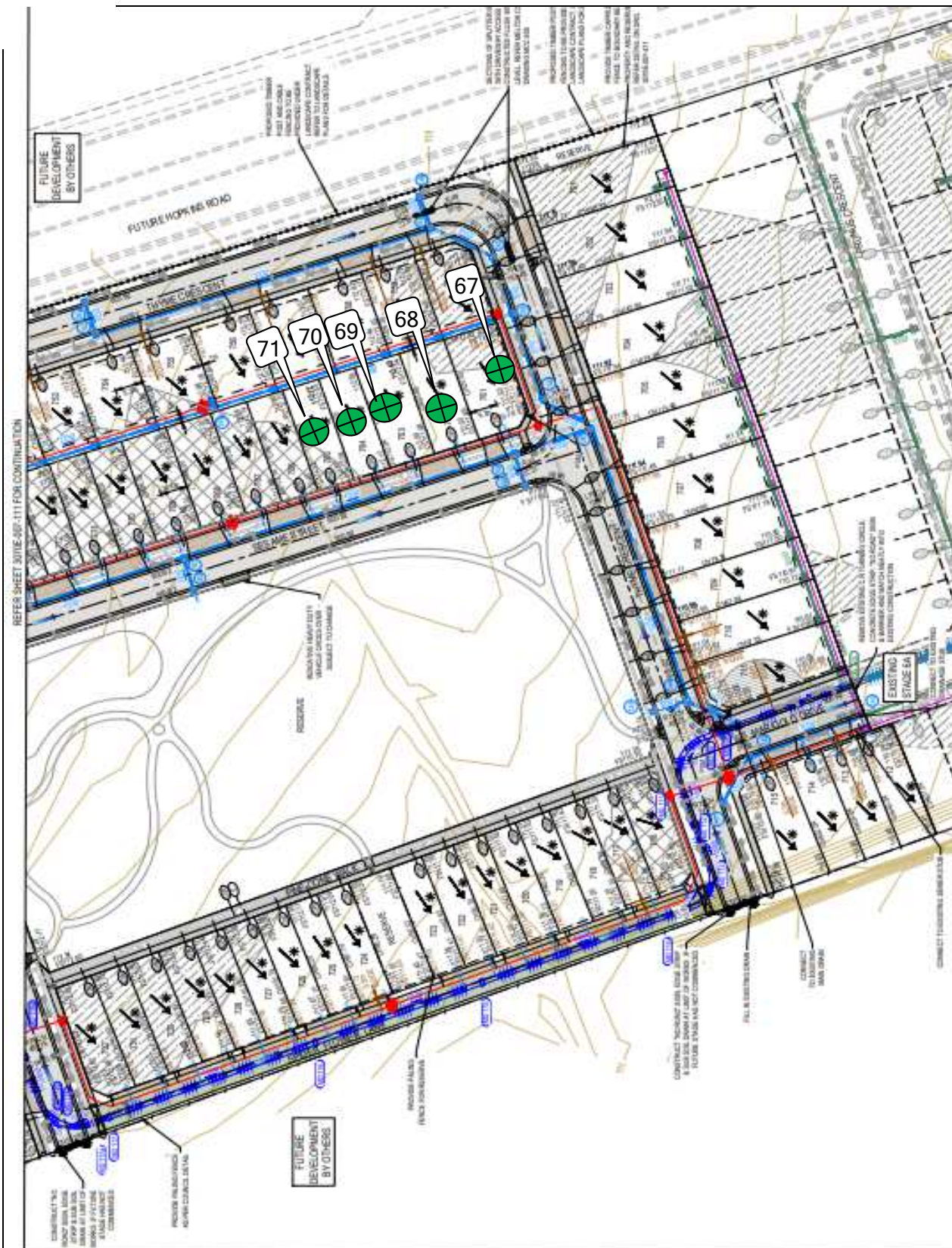


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NATA Accredited Laboratory Number 14561

**MICK CROWE**  
(Approved Signatory)

Issue Date: 14/12/2022



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**CLIENT: 1152 TAYLORS DEVELOPMENT**

**LOCATION: Botania, Stage 7**

**Sketch indicating compaction test locations**

**DATE: 9/12/2022**

**OPERATOR: KKA/NE**

**SCALE: NTS**

**JOB No.: 9035/064**

**CHECKED: KK**

**FIGURE No: -**





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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/066

LOCATION: 1152 TAYLORS DEVELOPMENT- Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
16/12/22	72	<b>Refer to #9035/067 for approx. test site locations.</b>	1.88	30.0	98.0	1.92	27.5	175	3.0 Wetter	110.5	0	0	0
16/12/22	73		1.92	28.5	100.0	1.92	25.5	175	3.0 Wetter	112.0	0	0	0
16/12/22	74		1.94	30.0	99.0	✱ 1.95	27.0	175	3.0 Wetter	110.5	5	0	0
16/12/22	75		1.85	22.5	98.0	1.89	25.0	175	2.5 Drier	90.0	0	0	0
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 10:40am Finish Time: 11:20am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✱ Indicates APCWD

❖



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**MICK CROWE**  
(Approved Signatory)

Issue Date: 22/12/2022







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## DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9035/069

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 7

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m <sup>3</sup> )	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m <sup>3</sup> )	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)
19/12/22	76	<b>Refer to #9035/070 for approx. test site locations.</b>	1.95	25.0	101.0	1.93	25.5	175	0.5 Drier	98.0	0	0	200
19/12/22	77		1.92	25.5	103.0	1.85	28.0	175	2.5 Drier	91.0	0	0	200
19/12/22	78		1.91	31.5	102.0	1.86	31.0	175	0.5 Wetter	101.0	0	0	200
19/12/22	79		1.87	30.0	104.0	1.80	31.5	175	1.0 Drier	96.5	0	0	200
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 9:00am Finish Time: 9:50am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)



Accredited for compliance with ISO/IEC  
17025 - Testing

NATA Accredited Laboratory Number 14561

**MICK CROWE**  
 (Approved Signatory)

Issue Date: 12/1/2023









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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/073  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 701

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 701 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/074  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 702

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 702 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/075  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 703

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 703 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/076  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 704

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 704 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/077  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 705

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 705 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/078  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 706

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 706 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/079  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 707

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 707 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/080  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 708

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 708 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/081  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 709

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 709 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/082  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 710

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 710 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/083  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 711

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 711 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/084  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 712

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 712 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/085  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 713

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 713 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/086  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 714

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 714 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/087  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 715

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 715 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/088  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 716

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 716 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/089  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 717

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 717 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/090  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 718

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 718 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/091  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 719

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 719 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/092  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 720

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 720 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/093  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 721

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 721 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/094  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 722

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 722 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/095  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 723

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 723 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/096  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 724

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 724 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/097  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 725

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 725 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/098  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 726

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 726 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/099  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 727

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 727 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/100  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 728

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 728 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/101  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 729

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 729 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/102  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 730

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 730 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/103  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 731

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 731 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/104  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 732

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 732 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/105  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 733

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 733 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/106  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 734

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 734 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/107  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 735

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 735 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/108  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 736

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 736 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/109  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 737

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 737 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/110  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 738

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 738 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/111  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 739

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 739 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/112  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 740

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 740 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/113  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 741

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 741 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/114  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 742

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 742 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/115  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 743

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 743 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/116  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 744

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 744 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/117  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 745

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 745 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/118  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 746

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 746 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/119  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 747

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 747 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/120  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 748

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 748 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/121  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 749

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 749 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/122  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 750

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 750 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/123  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 751

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 751 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/124  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 752

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 752 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/125  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 753

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 753 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/126  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 754

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 754 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/127  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 755

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 755 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/128  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 756

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 756 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/129  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 757

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 757 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/130  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 758

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 758 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/131  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 759

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 759 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/132  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 760

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 760 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/133  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 761

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 761 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/134  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 762

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 762 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/135  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 763

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 763 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/136  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 764

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 764 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/137  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 765

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 765 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/138  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 766

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 766 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/139  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 767

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 767 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/140  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 768

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 768 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/141  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 769

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 769 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/142  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 770

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 770 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/143  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 771

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 771 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/144  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 772

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 772 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023





**GEOTECHNICAL LABORATORIES PTY LTD**

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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/145  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 773

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 773 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/146  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 774

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 774 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**

Issue Date: 17/10/2023



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### **CONTROLLED FILL CERTIFICATE**

**Report:** 9035/147  
**Client:** 451 Beattys Development Pty Ltd  
**Project:** Botania Estate – Stage 7  
**Location:** Allotment # 775

### **INSPECTION & TESTING**

At the request of 451 Beattys Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the stripping, material quality and compaction control procedures to ensure compliance with the requirements of AS 3798 (2007) Appendix B, Level 1 at the above noted project.

Compliance is based on material suitability inspections, compaction control testing and proof roll inspections performed by Geotechnical Laboratories Pty Ltd. Inspections and testing were carried out from the 5<sup>th</sup> of November 2022 to the 19<sup>th</sup> of December 2022.

This report certifies that 451 Beattys Development Pty Ltd have adopted the required filling procedures to ensure the constructed fill for allotment 775 was performed to satisfy the level one criterion set out AS 3798 – 2007.

### **REMARKS**

Allotment filling performed by **451 Beattys Development Pty Ltd** for this site shall be classed as **CONTROLLED FILL** as per AS 2870 – 2011 section 6.4.2 (a).

### **SPECIFICATIONS**

**Compaction Rate Required:** Minimum 95% Standard as per AS 3798 – 2007 Section 5.2 Table 5.1 – Item 1.

**Moisture Ratio Requirement:** Not Specified

**Fill Material Compliance:** As per AS 3798 – 2007 Section 4.4 Suitable Materials.

**Limitations:** Any previous or subsequent earthworks will require a separate evaluation.

**Sam Loza**  
**LABORATORY MANAGER**  
Issue Date: 17/10/2023