



# Pearce Geotech

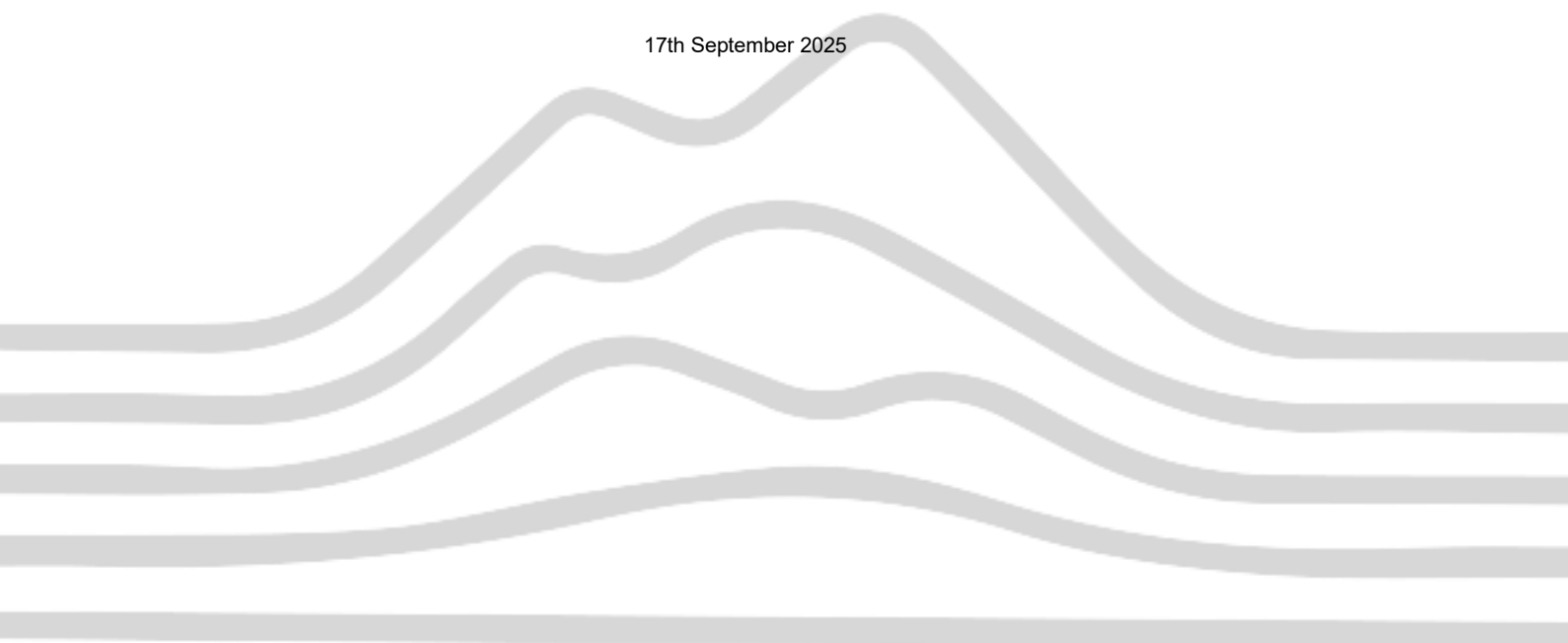
## **WOODSONG ESTATE - STAGE 6**

Level One Report

Winslow Constructors Pty Ltd

P242199

17th September 2025





17th September 2025

Winslow Constructors Pty Ltd  
Level 1, 6 English Street  
Essendon Fields, VIC, 3041

**Attention: Michael Di Martino**

Dear Michael

**RE: Woodsong Estate - Stage 6  
Level 1 Compaction Control**

This letter presents a report by Pearce Geotech Pty Ltd (PG) on Level 1 Testing Services undertaken during the construction of fill at Woodsong Estate - Stage 6. One electronic copy provided.

Please do not hesitate to contact the undersigned should there be any queries regarding this report.

For and on behalf of Pearce Geotech Pty Ltd

A handwritten signature in blue ink, appearing to read "M. Francis".

Regards

Mitch Francis



**A** 23 Nobility St Moolap VIC 3221

**P** (03) 5248 7887

**E** Mitch@pgeo.com.au

**W** pearcegeotech.com.au

**The leading provider of construction  
material testing in Australia**

# CONTENTS

<b>1</b>	<b>INTRODUCTION</b>	<b>1</b>
<b>2</b>	<b>SCOPE OF WORK</b>	<b>1</b>
<b>2.1</b>	<b>Area of Work</b>	<b>1</b>
<b>2.2</b>	<b>Placement Specification</b>	<b>1</b>
<b>3</b>	<b>CONSTRUCTION PLANT</b>	<b>2</b>
<b>4</b>	<b>INSPECTION AND TESTING</b>	<b>2</b>
<b>4.1</b>	<b>Construction Materials</b>	<b>2</b>
<b>4.2</b>	<b>Fill Placement</b>	<b>2</b>
<b>4.2.1</b>	<b>Test Summary</b>	<b>3</b>
<b>5</b>	<b>STATEMENT OF COMPLIANCE</b>	<b>4</b>

## **Appendices:**

Appendix A: Test Results/Site Plan

# 1 INTRODUCTION

This report presents the results of compaction control and laboratory testing services provided by Pearce Geotech Pty Ltd (PG) during the construction of fill at Woodsong Estate - Stage 6.

PG was engaged by Winslow Constructors Pty Ltd to provide Level 1 testing services for the duration of these works in accordance with the project specification. The work was commissioned by Mr Michael Di Martino of Winslow Constructors.

Level 1 testing, as defined in AS3798-2007 “Guidelines on Earthworks for Commercial and Residential Development”, provides for full-time inspection of the construction of controlled fill and compaction testing in accordance with AS1289 “Methods of Testing Soils for Engineering Purposes”. The Level 1 testing was undertaken by technicians from PG from the 10<sup>th</sup> December 2024 to the 20<sup>th</sup> August 2025.

# 2 SCOPE OF WORK

## 2.1 Area of Work

PG provided testing and supervision of fill placed for the dates shown in Table 4.2.1. Conditioning and placement methodology was observed by experienced PG technicians during the period of works. The testing locations were chosen randomly by PG technicians within the relevant work areas. Additionally, spot checks for density and moisture were conducted to provide feedback to ground staff during the construction of fill.

This report does not include fill other than where mentioned in this report or any other fill that may be placed during this period or subsequent periods at or surrounding the subject site. Maintenance and protection of the fill is the obligation of the contractor and PG takes no responsibility for the state of works outside the dates shown under Table 4.2.1 which may be influenced by weather events or continued work on the subject site.

## 2.2 Placement Specification

While no earthworks specification was supplied, the fill placement and testing requirements for the structural fill were derived from AS 3798 “Guidelines on earthworks for commercial and residential developments” – Table 5.1, with the minimum density ratio as item One (1) below;

**TABLE 5.1  
MINIMUM RELATIVE COMPACTION**

Item	Application	Minimum relative compaction, %	
		Minimum density ratio (at standard compactive effort) (Cohesive soils) (see Note 1)	Minimum density index (Cohesionless soils) (see Note 2)
1	Residential—lot, fill, house, sites	95 (see Note 3)	70
2	Commercial—fills to support minor loadings, including floor loadings of up to 20 kPa and isolated pad or strip footings to 100 kPa	98 (see Note 4)	75
3	Fill to support pavements (see Note 5)		
	(a) General fill	95	70
	(b) Subgrade (to a depth of 0.3 m)	98	75

### **3 CONSTRUCTION PLANT**

The following construction plant was used on site as required:

- 1 x Excavator
- 1 x Grader
- 1 x Compactor
- 1 x Pad Foot Roller
- 1 x Water Cart
- Dump Trucks as required

### **4 INSPECTION AND TESTING**

#### **4.1 Construction Materials**

Clay was used as fill for this project.

Fill material was sourced from:

- Site won

Pearce Geotech was not involved in the selection of fill material. All fill material was spread, watered and compacted to achieve the specified compaction control requirements.

#### **4.2 Fill Placement**

Initial site inspection showed fill areas as per the attached site plan. These areas were consecutively stripped of all deleterious silty topsoil, organic matter and existing fill down to a Silty Clay. These areas were then compacted and proof rolled with a loaded water cart.

Compaction tests and a proof roll were conducted on each tested layer of compacted fill to ensure compliance with the specification and samples of the fill material were tested in PG's NATA accredited laboratory (Accreditation Number 18877) to determine the Hilf density ratio and moisture ratio of the material. In total 35 field density tests, 35 compaction tests and 35 moisture contents were conducted.

Control Fill material was placed by dump truck, spread by grader, simultaneously water conditioned wherever required and compacted. Where the material appeared too wet, dry soil was mixed in and processed to a homogenous state.

## 4.2.1 Test Summary

Field No.	Date	Location	Layer	Min. Ratio [%]	Density Ratio [%]
25-32629A	10/12/2024	Lot 602	Lift 1	95% Std	98.5
25-32629B	10/12/2024	Lot 627	Lift 1	95% Std	99.0
25-32629C	10/12/2024	Lot 604	Lift 2	95% Std	96.0
25-32629D	10/12/2024	Lot 628	Lift 2	95% Std	98.5
25-33152A	17/02/2025	Lot 603	Lift 3	95% Std	99.0
25-33152B	17/02/2025	Lot 605	Lift 3	95% Std	100.5
25-33152C	17/02/2025	Lot 606	Lift 4	95% Std	95.0
25-33152D	17/02/2025	Lot 604	Lift 4	95% Std	101.5
25-33152E	17/02/2025	Lot 605	Lift 5	95% Std	99.0
25-33152F	17/02/2025	Lot 601	Lift 5	95% Std	95.0
25-33152G	17/02/2025	Lot 627	Lift 3	95% Std	99.0
25-33152H	17/02/2025	Lot 628	Lift 4	95% Std	102.5
25-33152I	17/02/2025	Lot 631	Lift 1	95% Std	96.5
25-33152J	17/02/2025	Lot 626	Lift 1	95% Std	97.0
25-33152K	17/02/2025	Lot 607	Lift 1	95% Std	104.0
25-33152L	17/02/2025	Lot 608	Lift 1	95% Std	100.5
25-33152M	17/02/2025	Lot 609	Lift 1	95% Std	98.0
25-33152N	17/02/2025	Lot 639	Lift 1	95% Std	101.0
25-33152O	17/02/2025	Lot 640	Lift 1	95% Std	103.0
25-33152P	17/02/2025	Lot 642	Lift 2	95% Std	101.5
25-33152Q	17/02/2025	Lot 641	Lift 3	95% Std	100.0
25-33152R	17/02/2025	Lot 640	Lift 4	95% Std	100.0
25-33152S	17/02/2025	Lot 642	Lift 5	95% Std	99.5
25-33152T	17/02/2025	Lot 617	Lift 1	95% Std	96.5
25-35404A	20/08/2025	Lot 602	FSL	95% Std	99.0
25-35404B	20/08/2025	Lot 604	FSL	95% Std	100.5
25-35404C	20/08/2025	Lot 626	FSL	95% Std	106.5
25-35404D	20/08/2025	Lot 606	FSL	95% Std	102.0
25-35404E	20/08/2025	Lot 625	FSL	95% Std	106.5
25-35404F	20/08/2025	Lot 607	FSL	95% Std	105.5
25-35404G	20/08/2025	Lot 611	FSL	95% Std	97.5
25-35404H	20/08/2025	Lot 617	FSL	95% Std	100.0
25-35404O	20/08/2025	Lot 642	FSL	95% Std	96.0
25-35404J	20/08/2025	Lot 640	FSL	95% Std	97.0
25-35404K	20/08/2025	Lot 631	FSL	95% Std	96.5

## 5 STATEMENT OF COMPLIANCE

PG personnel have provided Level 1 inspection and testing services during construction of the fill at Woodsong Estate - Stage 6. A technician from PG was on site on a fulltime basis during fill placement and observed the construction techniques adopted.

Based on these observations made by PG personnel and the results of field and laboratory tests, we consider that the fill has been placed in accordance with the intent of the specification.

For and on behalf of Pearce Geotech Pty Ltd

Regards



Mitch Francis  
B.Eng. Civil (Hons)



# Appendix A

## **Test Results**

# Material Test Report



Pearce Geotech Pty Ltd

23 Nobility Street Moolap VIC 3221

Phone: (03) 5248 7887

Email: Mitch@pgeo.com.au

**Report Number:** P242199-1  
**Issue Number:** 1  
**Date Issued:** 17/09/2025  
**Client:** Winslow Constructors Pty Ltd  
 Level 1, 6 English Street, Essendon Fields Vic 3041  
**Contact:** Michael Di Martino  
**Project Number:** P242199  
**Project Name:** Woodsong Estate - Stage 6  
**Project Location:** 220 Olivers Road, Mickleham  
**Client Reference:** WC403437  
**Work Request:** 32629  
**Date Sampled:** 10/12/2024  
**Dates Tested:** 22/01/2025 - 23/01/2025  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Remarks:** TRN 17309  
**Specification:** 95% Standard  
**Location:** TRN 17309  
**Material:** Clay  
**Material Source:** Insitu



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mitch Francis

Laboratory Manager

NATA Accredited Laboratory Number: 18877

Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1				
Sample Number	25-32629A	25-32629B	25-32629C	25-32629D
Date Tested	10/12/2024	10/12/2024	10/12/2024	10/12/2024
Time Tested	08:36	08:50	10:33	10:49
Test Request #/Location	Lot 602	Lot 627	Lot 604	Lot 628
Layer / Reduced Level	Lift 1	Lift 1	Lift 2	Lift 2
Thickness of Layer (mm)	150	150	150	150
Soil Description	Clay	Clay	Clay	Clay
Test Depth (mm)	125	125	125	125
Fraction Tested (mm)	19.0	19.0	19.0	19.0
Oversize (wet basis) %	6	4	0	7
Oversize (dry basis) %	7	5	0	8
Curing Hours	2	2	2	2
Method used to Determine Plasticity	Visual Determination	Visual Determination	Visual Determination	Visual Determination
Field Wet Density (FWD) t/m <sup>3</sup>	1.99	2.01	1.94	1.98
Field Moisture Content %	16.7	17.0	18.9	15.1
Field Dry Density t/m <sup>3</sup>	1.70	1.72	1.63	1.72
Maximum Dry Density t/m <sup>3</sup>	**	**	1.70	**
Adjusted Maximum Dry Density t/m <sup>3</sup>	1.72	1.74	**	1.74
Optimum Moisture Content (OMC) %	**	**	19.0	**
Adjusted Optimum Moisture Content (OMC) %	17.5	17.0	**	17.0
Moisture Variation %	1.0	0.0	0.5	1.5
Moisture Ratio %	95.0	100.0	98.5	90.0
Density Ratio %	<b>98.5</b>	<b>99.0</b>	<b>96.0</b>	<b>98.5</b>
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>

**Moisture Variation Note:**

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report



**Pearce  
Geotech**

Pearce Geotech Pty Ltd

23 Nobility Street Moolap VIC 3221

Phone: (03) 5248 7887

Email: Mitch@pgeo.com.au

**Report Number:** P242199-4  
**Issue Number:** 1  
**Date Issued:** 17/09/2025  
**Client:** Winslow Constructors Pty Ltd  
 Level 1, 6 English Street, Essendon Fields Vic 3041  
**Contact:** Michael Di Martino  
**Project Number:** P242199  
**Project Name:** Woodsong Estate - Stage 6  
**Project Location:** 220 Olivers Road, Mickleham  
**Client Reference:** WC403437  
**Work Request:** 33152  
**Date Sampled:** 17/02/2025  
**Dates Tested:** 27/02/2025 - 28/02/2025  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Remarks:** TRN 17387  
**Specification:** 95% Standard  
**Location:** TRN 17387  
**Material:** Clay  
**Material Source:** Site Won



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mitch Francis

Laboratory Manager

NATA Accredited Laboratory Number: 18877

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	25-33152A	25-33152B	25-33152C	25-33152D	25-33152E
Date Tested	17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025
Time Tested	07:38	07:45	08:30	08:36	09:22
Test Request #/Location	Lot 603	Lot 605	Lot 606	Lot 604	Lot 605
Layer / Reduced Level	Lift 3	Lift 3	Lift 4	Lift 4	Lift 5
Thickness of Layer (mm)	150	150	150	150	150
Soil Description	Clay	Clay	Clay	Clay	Clay
Test Depth (mm)	125	125	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	4	0	10
Field Wet Density (FWD) t/m <sup>3</sup>	2.01	2.02	1.95	2.04	2.00
Field Moisture Content %	19.3	17.5	20.8	18.4	18.5
Field Dry Density (FDD) t/m <sup>3</sup>	1.68	1.72	1.62	1.72	1.69
Peak Converted Wet Density t/m <sup>3</sup>	2.02	2.01	**	2.01	**
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	2.05	**	2.03
Moisture Variation (Wv) %	2.0	2.0	**	2.0	**
Adjusted Moisture Variation %	**	**	-0.5	**	2.0
Hilf Density Ratio (%)	<b>99.0</b>	<b>100.5</b>	<b>95.0</b>	<b>101.5</b>	<b>99.0</b>
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
Remarks	**	**	**	**	**

**Moisture Variation Note:**

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report



**Pearce  
Geotech**

Pearce Geotech Pty Ltd

23 Nobility Street Moolap VIC 3221

Phone: (03) 5248 7887

Email: Mitch@pgeo.com.au

**Report Number:** P242199-4  
**Issue Number:** 1  
**Date Issued:** 17/09/2025  
**Client:** Winslow Constructors Pty Ltd  
 Level 1, 6 English Street, Essendon Fields Vic 3041  
**Contact:** Michael Di Martino  
**Project Number:** P242199  
**Project Name:** Woodsong Estate - Stage 6  
**Project Location:** 220 Olivers Road, Mickleham  
**Client Reference:** WC403437  
**Work Request:** 33152  
**Date Sampled:** 17/02/2025  
**Dates Tested:** 27/02/2025 - 28/02/2025  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Remarks:** TRN 17387  
**Specification:** 95% Standard  
**Location:** TRN 17387  
**Material:** Clay  
**Material Source:** Site Won



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mitch Francis

Laboratory Manager

NATA Accredited Laboratory Number: 18877

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	25-33152F	25-33152G	25-33152H	25-33152I	25-33152J
Date Tested	17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025
Time Tested	09:30	09:58	10:44	10:56	11:10
Test Request #/Location	Lot 601	Lot 627	Lot 628	Lot 631	Lot 626
Layer / Reduced Level	Lift 5	Lift 3	Lift 4	Lift 1	Lift 1
Thickness of Layer (mm)	150	150	150	150	150
Soil Description	Clay	Clay	Clay	Clay	Clay
Test Depth (mm)	125	125	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	6	0	0	7	5
Field Wet Density (FWD) t/m <sup>3</sup>	1.95	1.98	2.09	1.96	2.00
Field Moisture Content %	23.0	21.9	19.0	16.1	20.5
Field Dry Density (FDD) t/m <sup>3</sup>	1.59	1.62	1.76	1.69	1.66
Peak Converted Wet Density t/m <sup>3</sup>	**	1.99	2.04	**	**
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	2.05	**	**	2.03	2.06
Moisture Variation (Wv) %	**	1.5	0.0	**	**
Adjusted Moisture Variation %	-0.5	**	**	1.5	0.0
Hilf Density Ratio (%)	<b>95.0</b>	<b>99.0</b>	<b>102.5</b>	<b>96.5</b>	<b>97.0</b>
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
Remarks	**	**	**	**	**

**Moisture Variation Note:**

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report



**Pearce Geotech**

Pearce Geotech Pty Ltd

23 Nobility Street Moolap VIC 3221

Phone: (03) 5248 7887

Email: Mitch@pgeo.com.au

**Report Number:** P242199-4  
**Issue Number:** 1  
**Date Issued:** 17/09/2025  
**Client:** Winslow Constructors Pty Ltd  
 Level 1, 6 English Street, Essendon Fields Vic 3041  
**Contact:** Michael Di Martino  
**Project Number:** P242199  
**Project Name:** Woodsong Estate - Stage 6  
**Project Location:** 220 Olivers Road, Mickleham  
**Client Reference:** WC403437  
**Work Request:** 33152  
**Date Sampled:** 17/02/2025  
**Dates Tested:** 27/02/2025 - 28/02/2025  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Remarks:** TRN 17387  
**Specification:** 95% Standard  
**Location:** TRN 17387  
**Material:** Clay  
**Material Source:** Site Won



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mitch Francis

Laboratory Manager

NATA Accredited Laboratory Number: 18877

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	25-33152K	25-33152L	25-33152M	25-33152N	25-33152O
Date Tested	17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025
Time Tested	11:28	11:37	11:50	12:16	12:35
Test Request #/Location	Lot 607	Lot 608	Lot 609	Lot 639	Lot 640
Layer / Reduced Level	Lift 1	Lift 1	Lift 1	Lift 1	Lift 1
Thickness of Layer (mm)	150	150	150	150	150
Soil Description	Clay	Clay	Clay	Clay	Clay
Test Depth (mm)	125	125	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	3	0	8	0	0
Field Wet Density (FWD) t/m <sup>3</sup>	2.05	2.03	1.97	2.04	2.05
Field Moisture Content %	21.8	19.2	19.3	21.7	20.4
Field Dry Density (FDD) t/m <sup>3</sup>	1.68	1.70	1.65	1.68	1.70
Peak Converted Wet Density t/m <sup>3</sup>	**	2.02	**	2.03	1.98
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	1.97	**	2.01	**	**
Moisture Variation (Wv) %	**	1.5	**	0.5	1.5
Adjusted Moisture Variation %	2.0	**	0.0	**	**
Hilf Density Ratio (%)	<b>104.0</b>	<b>100.5</b>	<b>98.0</b>	<b>101.0</b>	<b>103.0</b>
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
Remarks	**	**	**	**	**

**Moisture Variation Note:**

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report



**Pearce Geotech**

Pearce Geotech Pty Ltd

23 Nobility Street Moolap VIC 3221

Phone: (03) 5248 7887

Email: Mitch@pgeo.com.au

**Report Number:** P242199-4  
**Issue Number:** 1  
**Date Issued:** 17/09/2025  
**Client:** Winslow Constructors Pty Ltd  
 Level 1, 6 English Street, Essendon Fields Vic 3041  
**Contact:** Michael Di Martino  
**Project Number:** P242199  
**Project Name:** Woodsong Estate - Stage 6  
**Project Location:** 220 Olivers Road, Mickleham  
**Client Reference:** WC403437  
**Work Request:** 33152  
**Date Sampled:** 17/02/2025  
**Dates Tested:** 27/02/2025 - 28/02/2025  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Remarks:** TRN 17387  
**Specification:** 95% Standard  
**Location:** TRN 17387  
**Material:** Clay  
**Material Source:** Site Won



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mitch Francis

Laboratory Manager

NATA Accredited Laboratory Number: 18877

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	25-33152P	25-33152Q	25-33152R	25-33152S	25-33152T
Date Tested	17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025
Time Tested	13:27	14:10	14:49	15:32	15:45
Test Request #/Location	Lot 642	Lot 641	Lot 640	Lot 642	Lot 617
Layer / Reduced Level	Lift 2	Lift 3	Lift 4	Lift 5	Lift 1
Thickness of Layer (mm)	150	150	150	150	150
Soil Description	Clay	Clay	Clay	Clay	Clay
Test Depth (mm)	125	125	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	10	3	4	0
Field Wet Density (FWD) t/m <sup>3</sup>	2.01	2.06	2.01	1.98	1.99
Field Moisture Content %	21.0	20.0	19.6	20.2	18.5
Field Dry Density (FDD) t/m <sup>3</sup>	1.66	1.72	1.68	1.65	1.68
Peak Converted Wet Density t/m <sup>3</sup>	1.99	**	**	**	2.06
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	2.07	2.00	1.99	**
Moisture Variation (Wv) %	2.0	**	**	**	0.5
Adjusted Moisture Variation %	**	0.0	0.5	0.0	**
Hilf Density Ratio (%)	<b>101.5</b>	<b>100.0</b>	<b>100.0</b>	<b>99.5</b>	<b>96.5</b>
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
Remarks	**	**	**	**	**

**Moisture Variation Note:**

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** P242199-5  
**Issue Number:** 1  
**Date Issued:** 17/09/2025  
**Client:** Winslow Constructors Pty Ltd  
 Level 1, 6 English Street, Essendon Fields Vic 3041  
**Contact:** Michael Di Martino  
**Project Number:** P242199  
**Project Name:** Woodsong Estate - Stage 6  
**Project Location:** 220 Olivers Road, Mickleham  
**Client Reference:** WC403437  
**Work Request:** 35404  
**Date Sampled:** 20/08/2025  
**Dates Tested:** 20/08/2025 - 29/08/2025  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Remarks:** TRN 19212  
**Specification:** 95% Standard  
**Location:** TRN 19212  
**Material:** Clay  
**Material Source:** Insitu



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mitch Francis  
Laboratory Manager

NATA Accredited Laboratory Number: 18877

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	25-35404A	25-35404B	25-35404C	25-35404D	25-35404E	25-35404F
Date Tested	20/08/2025	20/08/2025	20/08/2025	20/08/2025	20/08/2025	20/08/2025
Time Tested	07:10	07:20	07:30	07:40	07:50	08:00
Test Request #/Location	Lot 602	Lot 604	Lot 626	Lot 606	Lot 625	Lot 607
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	200	200	200	200	200	200
Soil Description	Clay	Clay	Clay	Clay	Clay	Clay
Test Depth (mm)	175	175	175	175	175	175
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	8	0	0	0	2	0
Field Wet Density (FWD) t/m <sup>3</sup>	2.04	2.02	2.11	2.12	2.10	2.12
Field Moisture Content %	17.3	18.9	17.4	18.9	18.6	20.1
Field Dry Density (FDD) t/m <sup>3</sup>	1.74	1.70	1.80	1.79	1.77	1.76
Peak Converted Wet Density t/m <sup>3</sup>	**	2.01	1.98	2.09	**	2.01
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	2.06	**	**	**	1.98	**
Moisture Variation (Wv) %	**	1.5	0.0	0.0	**	-0.5
Adjusted Moisture Variation %	0.0	**	**	**	0.0	**
Hilf Density Ratio (%)	<b>99.0</b>	<b>100.5</b>	<b>106.5</b>	<b>102.0</b>	<b>106.5</b>	<b>105.5</b>
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
Remarks	**	**	**	**	**	**

**Moisture Variation Note:**

Positive values = test is dry of OMC  
 Negative values = test is wet of OMC

# Material Test Report



**Pearce Geotech**

Pearce Geotech Pty Ltd

23 Nobility Street Moolap VIC 3221

Phone: (03) 5248 7887

Email: Mitch@pgeo.com.au

**Report Number:** P242199-5  
**Issue Number:** 1  
**Date Issued:** 17/09/2025  
**Client:** Winslow Constructors Pty Ltd  
 Level 1, 6 English Street, Essendon Fields Vic 3041  
**Contact:** Michael Di Martino  
**Project Number:** P242199  
**Project Name:** Woodsong Estate - Stage 6  
**Project Location:** 220 Olivers Road, Mickleham  
**Client Reference:** WC403437  
**Work Request:** 35404  
**Date Sampled:** 20/08/2025  
**Dates Tested:** 20/08/2025 - 29/08/2025  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Remarks:** TRN 19212  
**Specification:** 95% Standard  
**Location:** TRN 19212  
**Material:** Clay  
**Material Source:** Insitu



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mitch Francis

Laboratory Manager

NATA Accredited Laboratory Number: 18877

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	25-35404G	25-35404H	25-35404I	25-35404J	25-35404K	
Date Tested	20/08/2025	20/08/2025	20/08/2025	20/08/2025	20/08/2025	
Time Tested	08:10	08:20	08:30	08:40	08:50	
Test Request #/Location	Lot 611	Lot 617	Lot 642	Lot 640	Lot 631	
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	
Thickness of Layer (mm)	200	200	200	200	200	
Soil Description	Clay	Clay	Clay	Clay	Clay	
Test Depth (mm)	175	175	175	175	175	
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	
Percentage of Wet Oversize (%)	0	5	0	3	9	
Field Wet Density (FWD) t/m <sup>3</sup>	1.97	1.98	1.97	1.99	1.98	
Field Moisture Content %	18.7	16.1	18.1	19.9	20.3	
Field Dry Density (FDD) t/m <sup>3</sup>	1.66	1.71	1.67	1.66	1.64	
Peak Converted Wet Density t/m <sup>3</sup>	2.02	**	2.05	**	**	
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	1.98	**	2.04	2.04	
Moisture Variation (Wv) %	0.5	**	-0.5	**	**	
Adjusted Moisture Variation %	**	2.5	**	-0.5	-1.0	
Hilf Density Ratio (%)	<b>97.5</b>	<b>100.0</b>	<b>96.0</b>	<b>97.0</b>	<b>96.5</b>	
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	
Remarks	**	**	**	**	**	

**Moisture Variation Note:**

Positive values = test is dry of OMC

Negative values = test is wet of OMC



**CLIENT NAME:**

Client name here

**PROJECT NAME:**

Project name here

The leading provider of construction material testing in Australia

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