



REPORT

Level 1 Geotechnical Inspection and Testing Authority Services

**Riverfield Square Estate Stage 34
Lots 3416 to Lot 3448**

Prepared for:

Greenridge Properties Pty Ltd

26.02.2026

Our Ref: 1091938.034.v1

Table of contents

1	Introduction	4
2	Project details	4
	2.1 Location	4
	2.2 Roles	5
	2.3 Dates on Site	5
	2.4 Included Areas	5
	2.5 Excluded Areas	5
3	Specification	6
4	Inspection and Testing	7
	4.1 Earthworks	7
	4.2 Fill material	7
	4.3 Subgrade Assessment / Proof Roll	8
	4.4 Engineered Fill Construction	9
	4.5 Density and Moisture testing	11
5	Conclusion	12
6	Applicability	13

Appendix A	Test location plan
Appendix B	Density and moisture test summary
Appendix C	NATA compaction laboratory reports
Appendix D	NATA compliance laboratory report
Appendix E	Controlled fill certificate

Document Control

Title: Level One Inspection and Testing Services.					
Date	Version	Description	Prepared by:	Reviewed by:	Authorised by
26 Feb 2026	1	Final	S. Park / R Barden	R. McKenzie	R. McKenzie

Distribution:

Greenridge Properties Pty Ltd

1 PDF copy

Chadwick Geotechnics Pty Ltd (File)

1 PDF copy

1 Introduction

Chadwick Geotechnics Pty Ltd (Chadwick Geotechnics), was engaged by Greenridge Properties Pty Ltd, to provide Level 1 Geotechnical Inspection and Testing Authority (GITA) services for the earthworks conducted within Stage 34 of the Riverfield Square Estate in Clyde North between 11 August 2025 and 23 February 2026.

Level 1 GITA services as defined in AS3798-2007 “Guidelines on Earthworks for Commercial and Residential Development,” requires full time inspection and field and laboratory testing of earthworks in accordance with AS1289 “Methods of Testing Soils for Engineering Purposes.”

2 Project details

2.1 Location

Stage 34 is located to the North of Ballarto Road and runs off Grevillea Grove and Honeyeater Avenue.

The included works area is shown on the Site Plan in Appendix A and within Figure 2.1 below is an extract from Nearmap.

Figure 2.1: Extract from Nearmap



2.2 Roles

The organisations and their roles are presented in Table 2.1

Table 2.1: Roles on the Project

Role	Organisation
Developer	Greenridge Properties Pty Ltd
Geotechnical Inspection and Testing Authority (GITA)	Chadwick Geotechnics Pty Ltd
Designer / Superintendent	Beveridge Williams Pty Ltd
Earthworks Contractor	Brown Property Group Pty Ltd

Chadwick Geotechnics undertook the field density testing, and the compaction control laboratory testing was conducted in our NATA accredited laboratories.

2.3 Dates on Site

Geotechnical technical and engineering staff from Chadwick Geotechnics were onsite for the duration of the earthworks program on the days shown in Table 2.2 below.

Table 2.2: Level 1 GITA – Onsite Presence

Month	Dates on site
August 2025	7, 11, 12, 13, 15, 18, 19, 20, 21, 25
September 2025	1, 2
February 2026	23

2.4 Included Areas

This report is applicable to material placed by the contractor on the residential lots within the Riverfield Square Estate Stage 34, as shown on Figure 2.1 and on the Site Plan in Appendix A, with reference to Section 2.5 (Excluded Areas) of this report.

The following Lots were filled (or partially filled) during the Level 1 GITA supervision:

- Lot's 3416 to 3446

2.5 Excluded Areas

This report does not include fill outside the general boundary of the filled lots as shown in Figure 2.1. No fill was placed on the lots not mentioned in Section 2.4 of this report.

Backfill of trenches for the underground services, fill on footpaths, driveways and roads, or placement of topsoil, were not part of the scope for the works supervised by Chadwick Geotechnics.

3 Specification

The works were to be conducted in general accordance with the 'Guidelines on earthworks for commercial and residential developments' of AS3798-2007.

The following items were adopted as part of the project earthworks specifications:

- All Filling, in excess, of 200mm depth within the residential lots shall be undertaken to specifications satisfying the requirements of AS3798-2007 "Guidelines on Earthworks for Commercial and Residential Development".
- The fill soils to comply with the 'Suitable Material' in accordance with Section 4.4 of the AS3798-2007, and the following:
 - Maximum particle size of 150mm.
 - Particles over 37.5mm diameter not to exceed 20% of the material.
- Organic soils, topsoil, silts, or soils containing organic matter, wood, plastics, metal, or other deleterious materials are not acceptable.
- Subgrade to be proof rolled prior to placement of an engineered fill.
- Fill to be compacted in near horizontal layers not exceeding 250mm loose thickness.
- Compaction to achieve a ratio of at least 95% Standard Maximum Dry Density (SMDD).
- Moisture content of the fill material is to be within $\pm 3\%$ of the soils Standard Optimum Moisture Content (SOMC).
- Frequency of testing to be in accordance with Table 8.1 of AS3798-2007.

4 Inspection and Testing

The inspection and testing of earthworks have been carried out in accordance with AS3798-2007, 'Guidelines on earthworks for commercial and residential developments', with a frequency of field density tests as per Table 8.1 (explained in Section 4.5 of this report). Compaction control laboratory testing was performed in a Chadwick Geotechnics NATA accredited laboratory in accordance with AS1289 'Methods of Testing Soils for Engineering Purposes'.

4.1 Earthworks

The earthworks for the project comprised of the following phases:

- Stripping of topsoil from the proposed fill areas.
- Assessment, remediation, and proof rolling of subgrade.
- Placement and compaction of engineered fill.

4.2 Fill material

Fill material used for the construction of the fill comprised of local gravelly and sandy clays won from the road boxing and trench excavations on this and the surrounding sites.

A bulk sample was taken from the stage 34 site during earthworks construction. The sample was taken for geotechnical compliance testing. The material compliance test results are summarised in **Table 4.1 below**. The laboratory test certificate is attached in **Appendix C**.

Table 4.1: Compliance test Result Summary

Sample #	Particle Size Distribution (PSD)						Liquid Limit %	Plastic Limit %	Plasticity Index %
	37.5 mm	13.2 mm	4.75 mm	1.18 mm	425 µm	0.75 µm			
S25DS-07371/1	100	97	91	83	73	60	43	16	27
S25DS-07500/1	100	99	99	88	40	22	31	13	18

The laboratory test results indicated the fill material is clay of medium plasticity, clayey sand of low plasticity and satisfied the requirements of the specification.

The material was deemed as being derived from natural soils. The soil is considered as 'Suitable Material' in accordance with Section 4.4 of the AS3798-2007.

The material imported and placed at the site by Brown Property Group was assessed by the Superintendent as being derived from natural soils and meeting the classification of 'Fill Material' as defined in EPA publication 1828.2-2021 "Waste disposal categories – characteristics and thresholds". Environmental testing of the material was not within Chadwick Geotechnics' scope.

Any observed organic or deleterious matter including any oversize cobbles or boulders were removed from the tested areas during the fill placement.

Photographs of typical materials used during construction are shown below.

Photograph 4.1: Photographs of the material used on site



Photograph 1: Typical clay material used on site



Photograph 2: Sandy Clay used

4.3 Subgrade Assessment / Proof Roll

The Subgrade of the site was progressively assessed during the period Chadwick Geotechnics personnel were on site.

Subgrade assessments were conducted following the removal of natural grasses and topsoil that was present on site.

The subgrade inspection was performed in accordance with the Level 1 guidelines presented in AS3798–2007 Section 5.5. No soft spots or deflections were encountered during the inspections, and the area was found to be firm and free of vegetation and other deleterious material.

Two photographs of the subgrade assessment phase at the project are shown below.

Photograph 4.2: Subgrade assessment photographs



Photograph 3: Subgrade assessed with dump truck.



Photograph 4: Subgrade assessment using dump truck.

4.4 Engineered Fill Construction

All fill material was brought by dump trucks from the local stockpiles, spread with a bulldozer and compacted with a pad foot roller. A water cart was present onsite during the works.

All fill material was placed in lift sequences comprising horizontal layers. Chadwick Geotechnics verified that the surface of the stripped area, and that of additional lifts, was thoroughly scarified and moisture conditioned prior to placement of additional layers to prevent delamination at the layer interface. Once the placed fill was approved, the layer was compacted accordingly. Chadwick Geotechnics personnel were on site on a fulltime basis during the placement, moisture conditioning, compaction, and testing of the fill on the dates noted in Table 2.2 of this report.

The following machinery was on site during earthworks.

Table 4.2: Earthworks plant on site

Equipment type	Model
Dozer	CAT D6
Pad foot roller	BPG 15 T, Vibrating Pad Foot Roller
Water cart	Volvo WT11
Dump Trucks	Volvo A25G
Excavator	CAT 25 T

Photographs of typical machinery on site used during construction are shown below.

Photograph 4.3: General Earthwork machinery and fill construction photographs



Photograph 5: Pad foot used during fill construction



Photograph 6: D6 Dozer spreading clay



Photograph 7: Moxy placing clay during fill construction



Photograph 8: Dump truck placing material

4.5 Density and Moisture testing

Field density and moisture content testing was undertaken progressively during the construction on the compacted fill using a calibrated portable density and moisture gauge in accordance with AS1289.5.8.1. The HILF rapid compaction test was used for peak converted wet density determinations in accordance with AS1289.5.7.1. Test locations were recorded using a handheld GPS unit. A site plan showing the field density test locations is provided in **Appendix A**.

Testing was undertaken under the frequencies listed below, subject to the area and volume worked on the day of testing:

- 1 test per material type per layer per 2500m² or 1 test per 500m³ distributed reasonably evenly or 3 tests per lot – whichever requires the most tests in accordance with Type 1 Earthworks (large scale operations) as defined in Table 8.1 of the AS3798-2007.

Thirty-six (36) tests were performed during the filling process. Four of the tests, did not achieve the required density and or moisture ratio. These areas were moisture conditioned and reworked and retested.

A summary table of HILF density tests is provided in **Appendix B** and the laboratory test reports are provided in **Appendix C**. Two photographs of field density testing conducted on site are shown below.

Photograph 4.4: Field Density/Moisture Testing photographs



Photo 9: Field density/moisture test



Photo 10: Field density/moisture test

5 Conclusion

On the basis, of our inspections and after considering all test results relating to the project, it is our opinion, so far as it is to be determined, that:

- The materials, used by the earth-works contractor met the geotechnical property requirements of the specification.
- The sourced fill was, considered to be natural, clean, and suitable for use at the site.
- The fill material placed was tested at a suitable frequency in accordance with AS3798-2007- Table 8.1 and the results indicate the compacted clay achieved the density requirement of the specification.
- Given the consistent construction practices followed by the earthworks contractor and as witnessed by the Chadwick Geotechnics, combined with the satisfactory verification of test results achieved, it is inferred that areas of the site between test locations were performed to the same standard as those areas that have been tested.
- Based on observations made by Chadwick Geotechnics Level 1 personal and the results of field and laboratory tests, we consider that the engineered fill within the site (noted in Section 2.5), as far as we have been able to reasonably determine, have been placed in general accordance with the intent of the specification.
- It is our opinion that the earthworks undertaken have been performed in accordance with the requirements of Section 8.2 – Level 1 Inspection and Testing - AS3798-2007 Guidelines on Earthworks for Commercial and Residential Developments.
- Chadwick Geotechnics completed its Inspection and testing services on, 2 September 2025. After this date, the maintenance of the fill is the sole responsibility of the Contractor. If the fill is not well maintained or protected with a sacrificial layer of topsoil or other fill, the uppermost layers and the exposed faces of the engineered fill may deteriorate, as, a result of exposure to varying weather conditions which can cause cracking or heaving of the fill.
- Any deterioration will need to be remediated prior to further construction on the site. Chadwick Geotechnics has not provided supervision since the above date and is not responsible for any subsequent deterioration that may have occurred or may occur since that date.

6 Applicability

This report has been prepared for the exclusive use of our client Greenridge Properties Pty Ltd in good faith and in accordance with the Chadwick Geotechnics quality system for the earthworks filling at the site.

This report is based on the nature of the project and the prevailing conditions between 11 August 2025 and 2 September 2025.

No responsibility or liability will be accepted, and Chadwick Geotechnics is indemnified to the full extent permitted by law in respect of the use of this report where there has been a change in the nature of the project or the conditions on site that may alter or affect the conclusions of this report.

Should you require any further information regarding this report, please do not hesitate to contact the undersigned on (03) 8796 7900.

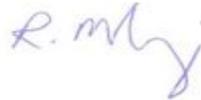
Chadwick Geotechnics Pty Ltd

Report prepared by:



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Project Manager

Authorised for Chadwick Geotechnics Pty Ltd by:



Per: Robert McKenzie

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Project Director

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.....
Robert McKenzie
Principal Geotechnical Engineer
PE0005222

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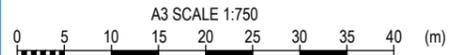
Appendix A Test location plan



LEGEND

 S25DS-XXXXX
HILF DENSITY TEST LOCATION

NOTES:
 1. AERIAL IMAGE SOURCED FROM NEARMAP. COPYRIGHT NEARMAP PTY LTD IMAGERY DATE: 04/03/2025.
 2. BASE PLAN PROVIDED BY BEVERIDGE WILLIAMS. DRAWING REFERENCE: 2101578-34-BASE_dated20250723. DATE RECEIVED: 09/02/2026.



PROJECT No. 1091938.034		
DESIGNED	STPA	Feb.26
DRAWN	KMJA	Feb.26
CHECKED	RHB	Feb.26
Rob Barden 26-2-26		
APPROVED	DATE	

CLIENT	GREENRIDGE PROPERTIES PTY LTD		
PROJECT	RIVERFIELD SQUARE ESTATE - STAGE 34		
TITLE	LEVEL ONE HILF DENSITY TESTING HILF DENSITY TEST LOCATION PLAN		
SCALE (A3)	1:750	FIG No.	1091938.034-F01
REV			1

Appendix B Density and moisture test summary



Riverfield Square Estate, 1091938.034 Stage 34

Chadwick Geotechnics
 25 Metcalf Street
 Dandenong South VIC 3175
 Tel : (03) 8796 7900
 Fax: (03) 9706 9431



HILF Density Testing - Field Summary

Report No	Sample No	Date	Test Number	Lot No	Easting	Northing	Layer/RL	Density Ratio (≥95 %)	Moisture Variation	Pass / Fail	Comments (Retest No) Compliance test taken ect
HDR:W25DS01816	S25DS-07237	11/08/2025	1	3422 / 1	355453 (5430.529)	5777851 (77852.213)	16.662	101	0.5 dry	Pass	
HDR:W25DS01816	S25DS-07238	11/08/2025	2	3420 / 1	355431 (5452.982)	5777853 (77850.742)	16.705	94.5	0.5 dry	Fail	See Retest S25DS-07368
HDR:W25DS01816	S25DS-07239	11/08/2025	3	3425 / 1	355476 (5475.646)	5777860 (77861.513)	16.749	101.5	0 dry	Pass	
HDR:W25DS01816	S25DS-07240	11/08/2025	4	3224 / 1	355484 (5482.844)	5777847 (77843.693)	16.372	92	2.5 dry	Fail	See Retest S25Ds-07367
HDR:W25DS01838	S25DS-07302	12/08/2025	1	3416 / 1	355395 (5392.477)	5777832 (77827.120)	16.679	91	2.5 dry	Fail	See Retest S25DS-07499
HDR:W25DS01838	S25DS-07303	12/08/2025	2	3417 / 1	355395 (5394.421)	5777844 (77839.859)	16.935	91.5	2 dry	Fail	See Retest S25DS-7498
HDR:W25DS01838	S25DS-07304	12/08/2025	3	3418 / 1	355398 (5395.365)	5777858 (77851.625)	17.179	95	2 dry	Pass	
HDR:W25DS01858	S25DS-07367	13/08/2025	1	3424 / 1	355483 (5483.001)	5777847 (77843.600)	16.372	99	2 dry	Pass	Retest of S25DS-07240
HDR:W25DS01858	S25DS-07368	13/08/2025	2	3420 / 1	355430 (5430.529)	5777855 (77852.213)	16.662	97	2.5 dry	Pass	Retest of S25DS-07238
HDR:W25DS01858	S25DS-07369	13/08/2025	3	3431 / 1	355442 (5443.492)	5777811 (77806.749)	15.61	98	2 dry	Pass	
HDR:W25DS01858	S25DS-07370	13/08/2025	4	3427 / 1	355424 (5421.630)	5777815 (77809.135)	15.876	98	2 dry	Pass	
HDR:W25DS01894	S25DS-07497	15/08/2025	1	3448 / 2	355415 (5415.915)	5777772 (77769.443)	15.385	99.5	0.5 wet	Pass	
HDR:W25DS01894	S25DS-07498	15/08/2025	2	3417 / 1	355396 (5394.421)	5777846 (57739.859)	16.938	101	1.5 dry	Pass	Retest of S25DS-07303
HDR:W25DS01894	S25DS-07499	15/08/2025	3	3416 / 1	355392 (5392.477)	5777829 (77827.120)	16.6379	98	2.5 dry	Pass	Retest of S25DS-07302
HDR:W25DS01904	S25DS-07532	18/08/2025	1	3439 / 2	355466 (5463.419)	5777768 (77764.814)	14.397	96.5	2 wet	Pass	
HDR:W25DS01904	S25DS-07533	18/08/2025	2	3444 / 3	355439 (5437.415)	5777770 (7776.735)	14.762	98.5	1.5 wet	Pass	
HDR:W25DS01931	S25DS-07617	19/08/2025	1	3438 / 3	355470 (5470.692)	5777765 (77763.253)	14.608	99.5	2.5 wet	Pass	
HDR:W25DS01931	S25DS-07618	19/08/2025	2	3447 / 4	355426 (5425.695)	5777776 (77774.553)	15.217	99.5	2 wet	Pass	
HDR:W25DS01931	S25DS-07619	19/08/2025	3	3437 / 4	355479 (5477.948)	5777804 (77799.023)	15.365	97.5	0 wet	Pass	
HDR:W25DS01946	S25DS-07666	20/08/2025	1	3440 / 4	355458 (5457.728)	5777769 (77767.347)	15.109	99.5	2.5 wet	Pass	
HDR:W25DS01946	S25DS-07667	20/08/2025	2	3432 / 5	355451 (5450.148)	5777804 (77802.744)	15.769	96.5	0 wet	Pass	
HDR:W25DS01946	S25DS-07668	20/08/2025	3	3436 / 5	355470 (5468.723)	5777808 (77803.229)	15.736	98.5	1.5 wet	Pass	

Appendix C NATA compaction laboratory reports



Dandenong South
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 25 Metcalf Street
 DANDENONG SOUTH, VIC 3175

Ph: + 61 3 8796 7900
 Fax: +61 3 9706 9431

Report No: HDR:W25DS01816

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.:
TRN:

CG Request No.:
Lot No.:

Accredited for compliance with ISO/IEC 17025
 - Testing




Accreditation Number: 12719
 Site Number: 12712
 Approved Signatory: M. Di Meglio
 (Practice Lead - Technical Services)
 Date of Issue: 14/08/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Imported
Material: Clay

Sample Data

Sample ID	S25DS-07237	S25DS-07238	S25DS-07239	S25DS-07240
Field Sample ID	1	2	3	4
Date Tested	11/08/2025	11/08/2025	11/08/2025	11/08/2025
Time Tested	10:00	10:15	10:30	13:00
E:	355453 (5430.529)	355431 (5452.982)	355476 (5475.646)	355484 (5482.844)
N:	5777851 (77852.213)	5777853 (77850.742)	5777860 (77861.513)	5777847 (77843.693)
EL:	16.662	16.705	16.749	16.372
Lot / Layer:	3422 / 1	3420 / 1	3425 / 1	3224 / 1

Field and Laboratory Data

Depth of Test (mm)	175	175	175	175
Depth of Layer (mm)	200	200	200	200
AS Sieve Size (mm)	19.0	19.0	19.0	19.0
Oversize Wet (%)	0	0	0	0
Field Moisture Content (%)	25.8	20.2	20.0	7.8
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1
Field Wet Density (t/m ³)	1.97	1.83	2.06	1.99
Field Dry Density (t/m ³)	1.57	1.52	1.72	1.84
Peak Converted Wet Density (t/m ³)	1.95	1.94	2.04	2.16
Optimum Moisture Content (%)	26.5	20.5	20.5	10.0
Compactive Effort	Standard	Standard	Standard	Standard
Moisture Ratio (%)	97.5	98.0	99.0	76.5
Moisture Variation (%)	0.5 dry	0.5 dry	0.0	2.5 dry
Hilf Density Ratio (%)	101.0	94.5	101.5	92.0

Comments

Results relate only to the items tested/sampled.



Dandenong South
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 25 Metcalf Street
 DANDENONG SOUTH, VIC 3175

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 Fax: +61 3 9706 9431

Report No: HDR:W25DS01838

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.: **CG Request No.:**
TRN: **Lot No.:**

Accredited for compliance with ISO/IEC 17025
 - Testing



Accreditation Number: 12719
 Site Number: 12712
 Approved Signatory: J. Lamont
 (Base Laboratory Manager -
 Date of Issue: 9/09/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Imported
Material: Clay

Sample Data

Sample ID	S25DS-07302	S25DS-07303	S25DS-07304		
Field Sample ID	1	2	3		
Date Tested	12/08/2025	12/08/2025	12/08/2025		
Time Tested	08:45	09:00	09:15		
E:	355395 (5392.477)	355395 (5394.421)	355398 (5395.365)		
N:	5777832 (77827.120)	5777844 (77839.859)	5777858 (77851.625)		
EL:	16.679	16.935	17.179		
Lot / Layer:	3416 / 1	3417 / 1	3418 / 1		

Field and Laboratory Data

Depth of Test (mm)	175	175	175		
Depth of Layer (mm)	200	200	200		
AS Sieve Size (mm)	19.0	19.0	19.0		
Oversize Wet (%)	0	0	0		
Field Moisture Content (%)	14.1	13.7	15.3		
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1		
Field Wet Density (t/m ³)	1.90	1.86	1.92		
Field Dry Density (t/m ³)	1.67	1.64	1.67		
Peak Converted Wet Density (t/m ³)	2.09	2.04	2.03		
Optimum Moisture Content (%)	16.5	16.0	17.5		
Compactive Effort	Standard	Standard	Standard		
Moisture Ratio (%)	84.5	86.5	87.5		
Moisture Variation (%)	2.5 dry	2.0 dry	2.0 dry		
Hilf Density Ratio (%)	91.0	91.5	95.0		

Comments

Results relate only to the items tested/sampled.



Dandenong South
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Report No: HDR:W25DS01858

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.:
TRN:

CG Request No.:
Lot No.:

Accredited for compliance with ISO/IEC 17025
 - Testing

Accreditation Number: 12719
 Site Number: 12712

Approved Signatory: J. Lamont
 (Base Laboratory Manager -
 Date of Issue: 16/02/2026

THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Imported
Material: Clay

Sample Data

Sample ID	S25DS-07367	S25DS-07368	S25DS-07369	S25DS-07370
Field Sample ID	1	2	3	4
Date Tested	13/08/2025	13/08/2025	13/08/2025	13/08/2025
Time Tested	09:15	09:30	09:45	10:00
E:	355483 (5483.001)	355430 (5430.529)	355442 (5443.492)	355424 (5421.630)
N:	5777847 (77843.600)	5777855 (77852.213)	5777811 (77806.749)	5777815 (77809.135)
EL:	16.372	16.662	15.610	15.876
Lot / Layer:	3424 / 1	3420 / 1	3431 / 1	3427 / 1
	Retest of S25DS-07240	Retest of S25DS-07238		

Field and Laboratory Data

Depth of Test (mm)	175	175	175	175
Depth of Layer (mm)	200	200	200	200
AS Sieve Size (mm)	19.0	19.0	19.0	19.0
Oversize Wet (%)	0	0	0	0
Field Moisture Content (%)	14.6	9.0	10.7	8.5
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1
Field Wet Density (t/m³)	2.03	2.08	2.08	2.11
Field Dry Density (t/m³)	1.77	1.91	1.88	1.95
Peak Converted Wet Density (t/m³)	2.04	2.14	2.12	2.15
Optimum Moisture Content (%)	16.5	11.5	12.5	10.0
Compactive Effort	Standard	Standard	Standard	Standard
Moisture Ratio (%)	88.5	78.5	84.0	83.0
Moisture Variation (%)	2.0 dry	2.5 dry	2.0 dry	2.0 dry
Hilf Density Ratio (%)	99.0	97.0	98.0	98.0

Comments

Results relate only to the items tested/sampled.



Dandenong South
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 25 Metcalf Street
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Ph: + 61 3 8796 7900
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Report No: HDR:W25DS01894

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.: **CG Request No.:**
TRN: **Lot No.:**

Accredited for compliance with ISO/IEC 17025
 - Testing



Accreditation Number: 12719
 Site Number: 12712
 Approved Signatory: J. Lamont
 (Base Laboratory Manager -
 Date of Issue: 9/09/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Imported
Material: Clay

Sample Data

Sample ID	S25DS-07497	S25DS-07498	S25DS-07499		
Field Sample ID	1	2	3		
Date Tested	15/08/2025	15/08/2025	15/08/2025		
Time Tested	09:10	09:40	10:00		
E:	355415 (5415.915)	355430 (5394.421)	355442 (5392.477)		
N:	5777772 (77769.443)	5777855 (57739.859)	5777811 (77827.120)		
EL:	15.385	16.938	16.6379		
Lot / Layer:	3448 / 2	3417 / 1	3416 / 1		
		Retest of S25DS-07303	Retest of S25DS-07302		

Field and Laboratory Data

Depth of Test (mm)	175	175	175		
Depth of Layer (mm)	200	200	200		
AS Sieve Size (mm)	19.0	19.0	19.0		
Oversize Wet (%)	0	0	0		
Field Moisture Content (%)	19.9	17.0	11.0		
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1		
Field Wet Density (t/m³)	2.02	2.00	2.06		
Field Dry Density (t/m³)	1.69	1.71	1.86		
Peak Converted Wet Density (t/m³)	2.03	1.98	2.11		
Optimum Moisture Content (%)	19.5	18.5	13.5		
Compactive Effort	Standard	Standard	Standard		
Moisture Ratio (%)	103.0	91.0	80.0		
Moisture Variation (%)	0.5 wet	1.5 dry	2.5 dry		
Hilf Density Ratio (%)	99.5	101.0	98.0		

Comments

Results relate only to the items tested/sampled.



Dandenong South
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Report No: HDR:W25DS01904

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.: **CG Request No.:**
TRN: **Lot No.:**

Accredited for compliance with ISO/IEC 17025
 - Testing



Accreditation Number: 12719
 Site Number: 12712
 Approved Signatory: J. Lamont
 (Base Laboratory Manager -
 Date of Issue: 9/09/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Imported
Material: Clay

Sample Data

Sample ID	S25DS-07532	S25DS-07533				
Field Sample ID	1	2				
Date Tested	18/08/2025	18/08/2025				
Time Tested	10:05	14:30				
E:	355466 (5463.419)	355439 (5437.415)				
N:	5777768 (77764.814)	5777770 (7776.735)				
EL:	14.397	14.762				
Lot / Layer:	3439 / 2	3444 / 3				

Field and Laboratory Data

Depth of Test (mm)	175	175				
Depth of Layer (mm)	200	200				
AS Sieve Size (mm)	19.0	19.0				
Oversize Wet (%)	0	0				
Field Moisture Content (%)	23.2	19.8				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	1.94	2.03				
Field Dry Density (t/m³)	1.58	1.69				
Peak Converted Wet Density (t/m³)	2.01	2.06				
Optimum Moisture Content (%)	21.0	18.0				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	111.0	109.0				
Moisture Variation (%)	2.0 wet	1.5 wet				
Hilf Density Ratio (%)	96.5	98.5				

Comments

Results relate only to the items tested/sampled.



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Report No: HDR:W25DS01931

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.:
TRN:

CG Request No.:
Lot No.:

Accredited for compliance with ISO/IEC 17025
 - Testing

Accreditation Number: 12719
 Site Number: 12712

Approved Signatory: J. Lamont
 (Base Laboratory Manager -
 Date of Issue: 9/09/2025

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Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Imported
Material: Clay

Sample Data

Sample ID	S25DS-07617	S25DS-07618	S25DS-07619		
Field Sample ID	1	2	3		
Date Tested	19/08/2025	19/08/2025	19/08/2025		
Time Tested	09:45	10:00	13:10		
E:	355470 (5470.692)	355426 (5425.695)	355479 (5477.948)		
N:	5777765 (77763.253)	5777776 (77774.553)	5777804 (77799.023)		
EL:	14.608	15.217	15.365		
Lot / Layer:	3438 / 3	3447 / 4	3437 / 4		

Field and Laboratory Data

Depth of Test (mm)	175	175	175		
Depth of Layer (mm)	200	200	200		
AS Sieve Size (mm)	19.0	19.0	19.0		
Oversize Wet (%)	0	0	0		
Field Moisture Content (%)	19.7	17.8	18.6		
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1		
Field Wet Density (t/m ³)	2.06	2.10	2.03		
Field Dry Density (t/m ³)	1.72	1.78	1.71		
Peak Converted Wet Density (t/m ³)	2.07	2.12	2.09		
Optimum Moisture Content (%)	17.0	15.5	18.5		
Compactive Effort	Standard	Standard	Standard		
Moisture Ratio (%)	114.0	113.5	101.0		
Moisture Variation (%)	2.5 wet	2.0 wet	0.0		
Hilf Density Ratio (%)	99.5	99.5	97.5		

Comments

Results relate only to the items tested/sampled.



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Report No: HDR:W25DS01946

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.: **CG Request No.:**
TRN: **Lot No.:**

Accredited for compliance with ISO/IEC 17025
 - Testing



Accreditation Number: 12719
 Site Number: 12712
 Approved Signatory: J. Lamont
 (Base Laboratory Manager -
 Date of Issue: 9/09/2025
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Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Imported
Material: Clay

Sample Data

Sample ID	S25DS-07666	S25DS-07667	S25DS-07668		
Field Sample ID	1	2	3		
Date Tested	20/08/2025	20/08/2025	20/08/2025		
Time Tested	09:30	13:55	14:11		
E:	355458 (5457.728)	355451 (5450.148)	355470 (5468.723)		
N:	577769 (77767.347)	5777804 (77802.744)	5777808 (77803.229)		
EL:	15.109	15.769	15.736		
Lot / Layer:	3440 / 4	3432 / 5	3436 / 5		

Field and Laboratory Data

Depth of Test (mm)	175	175	175		
Depth of Layer (mm)	200	200	200		
AS Sieve Size (mm)	19.0	19.0	19.0		
Oversize Wet (%)	0	0	0		
Field Moisture Content (%)	17.2	16.5	17.9		
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1		
Field Wet Density (t/m ³)	2.09	2.02	2.02		
Field Dry Density (t/m ³)	1.78	1.73	1.71		
Peak Converted Wet Density (t/m ³)	2.10	2.09	2.05		
Optimum Moisture Content (%)	15.0	16.5	16.5		
Compactive Effort	Standard	Standard	Standard		
Moisture Ratio (%)	115.0	100.0	109.0		
Moisture Variation (%)	2.5 wet	0.0	1.5 wet		
Hilf Density Ratio (%)	99.5	96.5	98.5		

Comments

Results relate only to the items tested/sampled.



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Report No: HDR:W25DS01963

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.:
TRN:

CG Request No.:
Lot No.:

Accredited for compliance with ISO/IEC 17025 - Testing



Accreditation Number: 12719
 Site Number: 12712

Approved Signatory: J. Lamont
 (Base Laboratory Manager -
 Date of Issue: 9/09/2025

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Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Import
Material: Clay

Sample Data

Sample ID	S25DS-07745	S25DS-07746				
Field Sample ID	1	2				
Date Tested	21/08/2025	21/08/2025				
Time Tested	13:30	13:45				
E:	355447 (5444.926)	355431 (5428.628)				
N:	5777774 (77770.463)	5777773 (77770.658)				
EL:	15.441	15.419				
Lot / Layer:	3443 / -	3446 / -				

Field and Laboratory Data

Depth of Test (mm)	175	175				
Depth of Layer (mm)	200	200				
AS Sieve Size (mm)	19.0	19.0				
Oversize Wet (%)	0	0				
Field Moisture Content (%)	17.8	23.2				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	2.07	1.92				
Field Dry Density (t/m³)	1.76	1.56				
Peak Converted Wet Density (t/m³)	2.06	1.98				
Optimum Moisture Content (%)	17.5	22.5				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	101.0	102.0				
Moisture Variation (%)	0.0	0.5 wet				
Hilf Density Ratio (%)	100.5	96.5				

Comments

Results relate only to the items tested/sampled.



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Report No: HDR:W25DS02015

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.:
TRN:

CG Request No.:
Lot No.:

Accredited for compliance with ISO/IEC 17025
 - Testing



Accreditation Number: 12719
 Site Number: 12712

Approved Signatory: J. Lamont
 (Base Laboratory Manager -
 Date of Issue: 9/09/2025

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Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Imported
Material: Clay

Sample Data

Sample ID	S25DS-07925	S25DS-07926	S25DS-07927	S25DS-07928	S25DS-07929	S25DS-07930
Field Sample ID	1	2	3	4	5	6
Date Tested	25/08/2025	25/08/2025	25/08/2025	25/08/2025	25/08/2025	25/08/2025
Time Tested	08:10	08:20	11:30	11:40	12:30	15:30
E:	355430 (5429.465)	355456 (5456.705)	355433 (5432.646)	355435 (5434.791)	355435 (5434.791)	355462 (5459.595)
N:	5777811 (77807.214)	5777806 (77803.782)	5777775 (77768.489)	5777770 (77767.568)	5777815 (77810.757)	5777811 (77804.493)
EL:	15.859	16.994	15.629	15.604	16.100	16.188
Lot / Layer:	3428 / 6	3433 / 6	3445 / 6	3441 / 6	3429 / 7	3434 / 7

Field and Laboratory Data

Depth of Test (mm)	175	175	175	175	175	175
Depth of Layer (mm)	200	200	200	200	200	200
AS Sieve Size (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Oversize Wet (%)	0	0	0	0	0	0
Field Moisture Content (%)	18.3	26.1	22.8	22.3	22.0	23.6
Field Moisture Content Method	AS 1289.2.1.1					
Field Wet Density (t/m ³)	2.19	1.97	1.91	1.99	2.04	1.96
Field Dry Density (t/m ³)	1.85	1.56	1.56	1.62	1.67	1.58
Peak Converted Wet Density (t/m ³)	2.07	1.95	1.92	1.95	1.96	1.96
Optimum Moisture Content (%)	18.5	26.0	25.5	24.0	22.0	24.0
Compactive Effort	Standard	Standard	Standard	Standard	Standard	Standard
Moisture Ratio (%)	100.0	100.0	90.0	92.5	99.0	99.5
Moisture Variation (%)	0.0	0.0	2.5 dry	1.5 dry	0.0	0.0
Hilf Density Ratio (%)	105.5	100.5	99.5	102.0	104.0	100.0

Comments

Results relate only to the items tested/sampled.



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Report No: HDR:W25DS02082

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.: **CG Request No.:**
TRN: **Lot No.:**

Accredited for compliance with ISO/IEC 17025
 - Testing




Accreditation Number: 12719
 Site Number: 12712
 Approved Signatory: J. Lamont
 (Base Laboratory Manager -
 Date of Issue: 9/09/2025
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Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Onsite
Material: Clay

Sample Data

Sample ID	S25DS-08158				
Field Sample ID	1				
Date Tested	1/09/2025				
Time Tested	13:18				
E:	355448				
N:	5777801				
EL:	-				
Lot / Layer:	- / Final				

Field and Laboratory Data

Depth of Test (mm)	175				
Depth of Layer (mm)	200				
AS Sieve Size (mm)	19.0				
Oversize Wet (%)	0				
Field Moisture Content (%)	31.2				
Field Moisture Content Method	AS 1289.2.1.1				
Field Wet Density (t/m ³)	2.00				
Field Dry Density (t/m ³)	1.52				
Peak Converted Wet Density (t/m ³)	1.88				
Optimum Moisture Content (%)	31.0				
Compactive Effort	Standard				
Moisture Ratio (%)	100.0				
Moisture Variation (%)	0.0				
Hilf Density Ratio (%)	106.0				

Comments

Results relate only to the items tested/sampled.



Dandenong South
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Report No: HDR:W25DS02097

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.:
TRN:

CG Request No.:
Lot No.:

Accredited for compliance with ISO/IEC 17025
 - Testing

Accreditation Number: 12719
 Site Number: 12712

Approved Signatory: J. Lamont
 (Base Laboratory Manager -
 Date of Issue: 9/09/2025

THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Onsite
Material: Clay

Sample Data

Sample ID	S25DS-08225	S25DS-08226	S25DS-08227	S25DS-08228
Field Sample ID	1	2	3	4
Date Tested	2/09/2025	2/09/2025	2/09/2025	2/09/2025
Time Tested	10:15	10:25	10:35	10:50
E:	355437 (5438.295)	355466 (5464.799)	355452 (5450.689)	355530 (5529.494)
N:	5777812 (77805.311)	5777806 (77800.748)	5777778 (77774.398)	5777862 (77854.678)
EL:	16.424	16.446	16.323	16.801
Lot / Layer:	3430 / Final	3435 / Final	3442 / Final	3426 / 1

Field and Laboratory Data

Depth of Test (mm)	175	175	175	175
Depth of Layer (mm)	200	200	200	200
AS Sieve Size (mm)	19.0	19.0	19.0	19.0
Oversize Wet (%)	0	0	0	0
Field Moisture Content (%)	26.5	30.1	20.4	23.2
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1
Field Wet Density (t/m ³)	2.04	1.91	2.05	2.00
Field Dry Density (t/m ³)	1.62	1.46	1.70	1.62
Peak Converted Wet Density (t/m ³)	1.94	1.89	1.98	1.98
Optimum Moisture Content (%)	26.5	27.0	22.0	23.5
Compactive Effort	Standard	Standard	Standard	Standard
Moisture Ratio (%)	100.0	111.5	93.0	99.0
Moisture Variation (%)	0.0	3.0 wet	1.5 dry	0.0
Hilf Density Ratio (%)	105.5	100.5	103.5	101.0

Comments

Results relate only to the items tested/sampled.



Dandenong South
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Report No: HDR:W26DS00412

Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.:
TRN:

CG Request No.:
Lot No.:

Accredited for compliance with ISO/IEC 17025
 - Testing

Philip J. Semmel

Accreditation Number: 12719
 Site Number: 12712

Approved Signatory: P. Semmel
 (Quality Co-Ordinator)
 Date of Issue: 26/02/2026

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Sample Details

Location: Clyde
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 95%
Field Test procedures: AS 1289.5.8.1
Laboratory Test procedures: AS 1289.2.1.1, AS 1289.5.7.1
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Source: Import
Material: Clay

Sample Data

Sample ID	S26DS-01544				
Field Sample ID	1				
Date Tested	23/02/2026				
Time Tested	12:20				
E:	355466 (5465.152)				
N:	5777845 (77840.551)				
EL:	16.818				
Lot / Layer:	3423 / Final				

Field and Laboratory Data

Depth of Test (mm)	175				
Depth of Layer (mm)	200				
AS Sieve Size (mm)	19.0				
Oversize Wet (%)	0				
Field Moisture Content (%)	12.6				
Field Moisture Content Method	AS 1289.2.1.1				
Field Wet Density (t/m ³)	2.03				
Field Dry Density (t/m ³)	1.81				
Peak Converted Wet Density (t/m ³)	2.05				
Optimum Moisture Content (%)	15.0				
Compactive Effort	Standard				
Moisture Ratio (%)	83.0				
Moisture Variation (%)	2.5 dry				
Hilf Density Ratio (%)	99.0				

Comments

Results relate only to the items tested/sampled.

Appendix D NATA compliance laboratory report

Material Test Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.: **CG Request No.:**
TRN: **Lot No.:**

Accredited for compliance with ISO/IEC 17025
- Testing




Accreditation Number: 12719
Site Number: 12712
Approved Signatory: M. Di Meglio
(Practice Lead - Technical Services)
Date of Issue: 9/10/2025
THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location: Clyde
Sample Location: E: 355442 (5443.492), N: 5777811 (77806.749), EL: 15.610, Lot: 3431, Layer: 1
Field Sample ID: 1
Date Sampled: 13/08/2025
Time Sampled: 09:45
Source: Imported
Material: CI CLAY with sand, trace gravel, medium plasticity, fine to coarse grained sand
Specification: AS Grading
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Sample ID: S25DS-07371

Particle Size Distribution

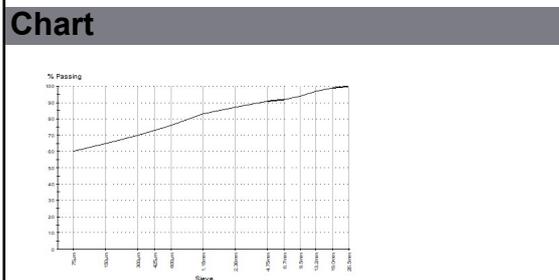
Method: AS 1289.3.6.1
Drying By: Oven
Date Tested: 22/08/2025

Note: Sample Washed

Sieve Size	% Passing	Limits
26.5mm	100	
19.0mm	99	
13.2mm	97	
9.5mm	94	
6.7mm	92	
4.75mm	91	
2.36mm	87	
1.18mm	83	
600µm	76	
425µm	73	
300µm	70	
150µm	65	
75µm	60	

Other Test Results

Description	Method	Result	Limits
Moisture Content (%)	AS 1289.2.1.1	19.7	
Date Tested		21/08/2025	
Sample History	AS 1289.1.1	Oven-Dried	
Preparation	AS 1289.1.1	Dry Sieved	
Linear Shrinkage (%)	AS 1289.3.4.1	10.0	
Mould Length (mm)		250	
Crumbling		No	
Curling		No	
Cracking		No	
Liquid Limit (%)	AS 1289.3.1.2	43	
Plastic Limit (%)	AS 1289.3.2.1	16	
Plasticity Index (%)	AS 1289.3.3.1	27	
Date Tested		11/09/2025	



Comments
Results relate only to the items tested/sampled.

Material Test Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
 AUBURN VIC 3123
Project: Riverfield Square Estate, Stage 34
Project No.: 1091938.034
Order No.:
TRN: **CG Request No.:**
Lot No.:

Accredited for compliance with ISO/IEC 17025
 - Testing




Accreditation Number: 12719
 Site Number: 12712
 Approved Signatory: J. Lamont
 (Base Laboratory Manager -
 Date of Issue: 9/09/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location: Clyde
Sample Location: E: 355415 (5415.915), N: 5777772 (77769.443), 15.385, Lot: 3448, Layer: 2
Field Sample ID: 1
Date Sampled: 15/08/2025
Time Sampled: 09:10
Source: Imported
Material: SC; Clayey SAND trace gravel, orange brown, low plasticity.
Specification: AS Grading
Sampling Method: AS1289.1.2.1 Clause 6.4 (b)
Sample ID: S25DS-07500

Particle Size Distribution

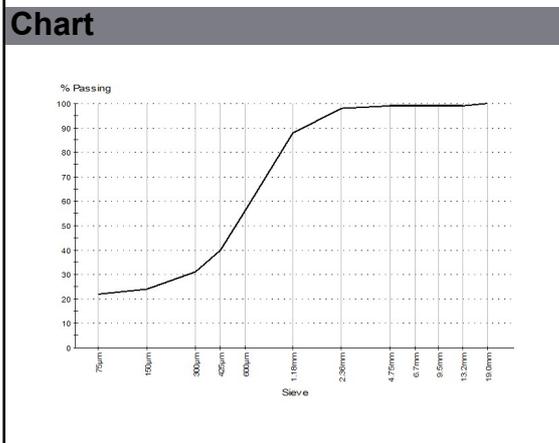
Method: AS 1289.3.6.1
Drying By: Oven
Date Tested: 21/08/2025

Note: Sample Washed

Sieve Size	% Passing	Limits
19.0mm	100	
13.2mm	99	
9.5mm	99	
6.7mm	99	
4.75mm	99	
2.36mm	98	
1.18mm	88	
600µm	56	
425µm	40	
300µm	31	
150µm	24	
75µm	22	

Other Test Results

Description	Method	Result	Limits
Moisture Content (%)	AS 1289.2.1.1	10.0	
Date Tested		19/08/2025	
Sample History	AS 1289.1.1	Oven-Dried	
Preparation	AS 1289.1.1	Dry Sieved	
Linear Shrinkage (%)	AS 1289.3.4.1	5.5	
Mould Length (mm)		250	
Crumbling		No	
Curling		No	
Cracking		No	
Liquid Limit (%)	AS 1289.3.1.2	31	
Plastic Limit (%)	AS 1289.3.2.1	13	
Plasticity Index (%)	AS 1289.3.3.1	18	
Date Tested		28/08/2025	



Comments

Results relate only to the items tested/sampled.

Appendix E Controlled fill certificate



CONTROLLED FILL CERTIFICATE - LEVEL 1 INSPECTION & TESTING

PROJECT : Riverfield Square Stage 34,
Lots 3416 to 3448

Chadwick Geotechnics REF: 1091938.034v1

CLIENT : Greenridge Properties Pty Ltd
P.O Box 4136
Dandenong South VIC 3164

DATE: 26 February 2026

SUMMARY

Chadwick Geotechnics Pty Ltd conducted, Level 1 inspection and testing, in accordance with Section 8.2 Level 1 inspection and Testing AS3798-2007, *Guidelines on earthworks for commercial and residential developments*, during the filling of the site.

So far as can be determined, the fill was placed in accordance with the specification that required a minimum density ratio of 95% of HILF Density (AS1289.5.7.1) to be achieved.

LIMITATIONS

This Certificate has been commissioned for the filling of the lots mentioned above and is based on the site conditions present at the time of the inspections (11 August 2025 to 23 February 2026). No responsibility or liability will be accepted for the use of this report for any purpose other than that for which Chadwick Geotechnics Pty Ltd was engaged, or where there has been a change in the nature of the project or the site conditions since the site testing.

Chadwick Geotechnics Pty Ltd

A handwritten signature in black ink that reads 'Robert Barden'.

A handwritten signature in blue ink that reads 'R. mckenzie'.

Per: Robert Mckenzie

Robert Barden
Project Coordinator

Michael Di Meglio
Project Director

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