CHADWICK GEOTECHNICS

REPORT

Level 1 Geotechnical Inspection and Testing Authority Services

Meridian Green Estate Stage 58
Lots 5801 to 5817, 5823 and 5826 to Lot 5837

Prepared for:

Greenridge Properties Pty Ltd

October 2026

Our Ref: 1091936.058.v1

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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 58 of the Meridian Green Estate in Clyde North between 9 September 2025 and 25 May 2026.

This report provides a summary of the earthworks carried out within Stage 58 of the Meridian Green estate development.

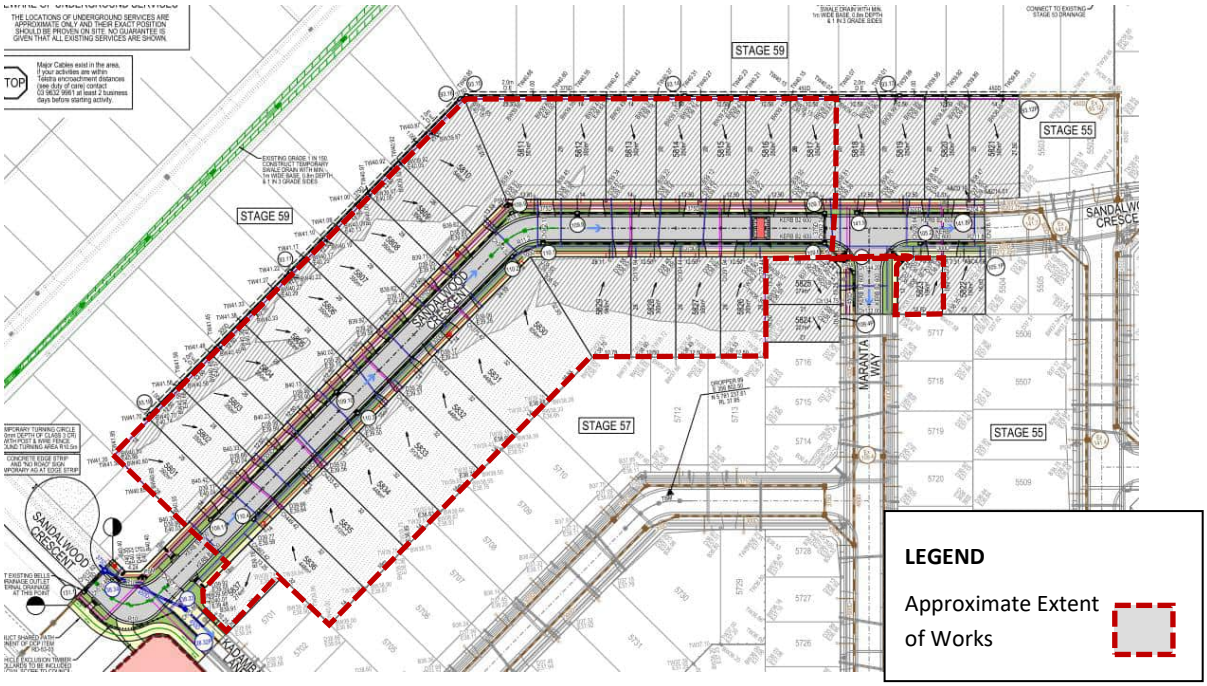
2 Project details

2.1 Location

Stage 58 is located towards the western boundary of the Meridian Green Estate, north of Stage 57 and south of Stage 59.

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

Figure 2.1: Approximate site area (extract from Drawing Number 1669-58/R05 Revision B)



2.2 Roles and abbreviations

The organisations involved with the project 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	Charlton Degg Pty Ltd
Earthworks Contractor	Brown Property Group Pty Ltd

Chadwick Geotechnics undertook the field density testing, and the compaction laboratory testing was conducted in our NATA accredited laboratory in Dandenong South (NATA No.12719).

The abbreviations used in this report are listed in Table 2.2 below.

Table 2.2: Abbreviations

Abbreviation	Definition
AS	Australian Standard
AS3798-2007	Guidelines on earthworks for commercial and residential developments
EPA	Environmental Protection Authority
GITA	Geotechnical Inspection and Testing Authority
MC	Moisture Content
SMDD	Standard Maximum Dry Density
NATA	National Association of Testing Authorities (Australia)
SOMC	Standard Optimum Moisture Content
PI	Plasticity Index
PSD	Particle Size Distribution

2.3 Dates on Site

Geotechnical and engineering staff from Chadwick Geotechnics were onsite for the duration of the earthworks program on the days shown in Table 2.3 below.

Table 2.3: Level 1 GITA – Onsite Presence

Month	Dates on site
September 2025	9.
October 2025	3.
January 2026	27, 28, 29, 30.
February 2026	2, 3, 4, 5, 6, 9, 10, 11, 12, 16, 17, 18, 20.
March 2026	4, 10.
May 2026	6, 12, 13, 14, 21, 23.

2.4 Included Areas

This report is applicable to material placed by the contractor on the residential lots within the Meridian Green Estate, as shown on Figure 2.1 above, 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:

- Lots 5801 to 5817
- Lot 5823
- Lots 5826 to Lot 5837

The stripping process resulted in some localised overexcavation in areas not planned to be filled. Controlled fill was placed and compacted in these areas to achieve the design levels. Consequently, there was a difference in lots planned to be filled and those where fill was actually placed.

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

There was no formal specification provided for the earthworks. The works were conducted in general accordance with the AS3798-2007 and the earthworks practices adopted across the broader Riverfield Estate development.

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

- All filling shall be undertaken in accordance with 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 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).
- 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 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 materials used during construction at the site comprised of local gravelly and sandy clays won from the road boxing and trench excavations on this and surrounding sites.

Three bulk samples were sampled during earthwork filling works.

The material compliance test results are tabulated in Table 4.1 below. The laboratory test certificates are attached in Appendix D.

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			
S26DS-01032/1	100	100	98	95	76	39	36	15	21
S26DS-01321/1	100	100	93	90	81	63	59	25	35
S26DS-04292/1	100	99	94	89	76	48	49	18	31

The laboratory test results indicated the fill material is clay of medium to high 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 was assessed by the Superintendent as being derived from natural soils and meeting the classification of 'Fill Material' as defined in EPA publication 1828.3-2024 "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 use on site

4.3 Subgrade assessment and proof roll

The subgrade 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 stripping process resulted in some localised overexcavation in areas not planned to be filled. Controlled fill was subsequently placed and compacted in these areas to achieve the design levels.

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 assessment



Photograph 4: Subgrade assessment

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 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
Bulldozer	CAT D6
Compaction	CAT, CP760 vibrating pad foot roller
Water cart	Road going truck and modified dump truck
Dump Trucks	Volvo A256 and road trucks
Excavator	CAT 25T

Photographs of typical machinery onsite used during construction are shown below.

Photograph 4.3: General Earthwork machinery and fill construction photographs



Photograph 5: Vibrating pad foot roller preparing fill



Photograph 6: Bulldozer used on site during fill construction



Photograph 7: Excavator moving earth



Photograph 8: Water cart conditioning clay

4.5 Density and moisture testing

Field density and moisture content testing was undertaken progressively during the construction of 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 at 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.

Seventy-four (74) tests were performed during the filling process. Fourteen (14) of the tests did not achieve the required density initially. The affected areas were reworked and retested and the retests returned passing density and moisture test results.

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 25 May 2026. 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.

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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Robert Barden

Project Manager

Authorised for Chadwick Geotechnics Pty Ltd by:



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Michael Di Meglio

Project Director

Report reviewed by:



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David Glover (PE0015860)

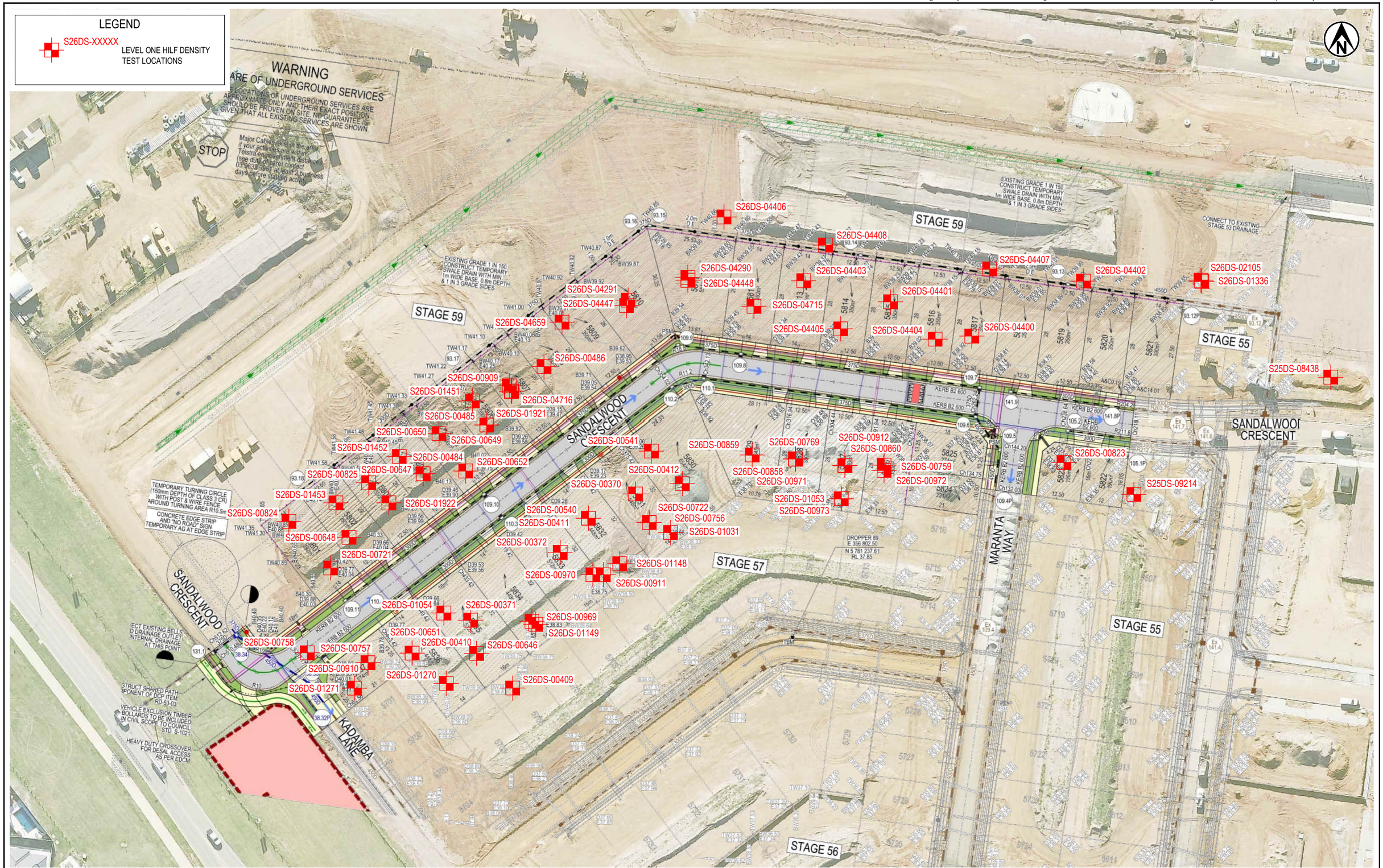
Principal Geotechnical Engineer

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Appendix A Test location plan

COPYRIGHT ON THIS FIGURE IS RESERVED DO NOT SCALE FROM THIS FIGURE - IF IN DOUBT, ASK.

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ORIGINAL IN COLOUR

PROJECT No.	1091936.058	
DESIGNED	RHB	Oct.26
DRAWN	KMJA	Oct.26
CHECKED	RHB	Oct.26
	R. BARDEN	23.10.2026
	APPROVED	DATE

CLIENT **GREENRIDGE PROPERTIES PTY LTD**
PROJECT **MERIDIAN GREEN ESTATE CLYDE - STAGE 58**
TITLE LEVEL ONE HILF DENSITY TESTING
HILF DENSITY TEST LOCATION PLAN
SCALE (A3) 1:1000 FIG No. 1091936.058-F01 REV 1

Appendix B Density and moisture test summary

Meridian Green, 1091936.058

HILF Density Testing - Field Summary

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Report No	Sample No	Date	Test Number	Lot No	Easting	Northing	Layer/RL	Density Ratio (≥95 %)	Moisture Variation	Pass / Fail	Comments (Retest No)
HDR:W25DS02161	S25DS-08438	9/09/2025	1	5501 / 1	356957	5781313	38.037	96.5	0.5 dry	Pass	
HDR:W25DS02347	S25DS-09214	3/10/2025	6	m	356901	5781280	37.663	101	0.5 dry	Pass	
HDR:W26DS00113	S26DS-00370	27/01/2026	1	5831 / 1	356758	5781280	38.53	99	2.5 dry	Pass	
HDR:W26DS00113	S26DS-00371	27/01/2026	2	5833 / 1	356711	5781244	38.668	97	2 dry	Pass	
HDR:W26DS00113	S26DS-00372	27/01/2026	3	5835 / 1	356736	5781263	38.553	97.5	0 dry	Pass	
HDR:W26DS00129	S26DS-00409	28/01/2026	1	5836 / 2	356723	5781224	38.704	95.5	2.5 dry	Pass	
HDR:W26DS00129	S26DS-00410	28/01/2026	2	5834 / 2	356694	5781234	38.903	94.5	3 dry	Fail	See Retest S26DS-00651
HDR:W26DS00129	S26DS-00411	28/01/2026	3	5832 / 2	356744	5781273	38.754	93.5	2.5 dry	Fail	See Retest S26DS-00540
HDR:W26DS00129	S26DS-00412	28/01/2026	4	5830 / 2	356771	5781283	38.567	103	2 dry	Pass	
HDR:W26DS00147	S26DS-00484	29/01/2026	1	5804 / 1	356697	5781286	39.602	103	3.5 dry	Fail	See Retest S26DS-00647
HDR:W26DS00147	S26DS-00485	29/01/2026	2	5806 / 1	356715	5781300	39.429	102.5	4 dry	Fail	See Retest S26DS-00649
HDR:W26DS00147	S26DS-00486	29/01/2026	3	5808 / 1	356731	5781311	39.2	101.5	0.5 dry	Pass	
HDR:W26DS00160	S26DS-00540	30/01/2026	1	5832 / 2	356744	5781273	38.754	97.5	0 dry	Pass	Retest of S26DS-00411
HDR:W26DS00160	S26DS-00541	30/01/2026	2	5830 / 3	356762	5781292	38.905	98.5	0 wet	Pass	
HDR:W26DS00179	S26DS-00646	2/02/2026	1	5835 / 4	356712	5781234	38.877	98	1.5 dry	Pass	
HDR:W26DS00179	S26DS-00647	2/02/2026	2	5804 / 1	356697	5781286	39.602	98.5	2 dry	Pass	Retest of S26DS-00484
HDR:W26DS00179	S26DS-00648	2/02/2026	3	5802 / 2	356676	5781267	39.733	101.5	3 dry	Pass	
HDR:W26DS00179	S26DS-00649	2/02/2026	4	5806 / 1	356715	5781300	39.429	102	2 dry	Pass	Retest of S26DS-00485
HDR:W26DS00179	S26DS-00650	2/02/2026	5	5805 South Side / 3	356702	5781297	34.811	98	0.5 dry	Pass	

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HILF Density Testing - Field Summary

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Report No	Sample No	Date	Test Number	Lot No	Easting	Northing	Layer/RL	Density Ratio (≥95 %)	Moisture Variation	Pass / Fail	Comments (Retest No)
HDR:W26DS00179	S26DS-00651	2/02/2026	6	5834 / 2	356694	5781234	38.903	104.5	1.5 dry	Pass	Retest of S26DS-00410
HDR:W26DS00179	S26DS-00652	2/02/2026	7	5805 North Side / 3	356709	5781286	39.596	103	1 dry	Pass	
HDR:W26DS00198	S26DS-00721	3/02/2026	1	5801 / 4	356670	5781259	39.876	97.5	0.5 wet	Pass	
HDR:W26DS00198	S26DS-00722	3/02/2026	2	5832 / 5	356762	5781272	38.83	93	0 dry	Fail	See Retest S26DS-00756
HDR:W26DS00209	S26DS-00756	4/02/2026	1	5832 / 5	356762	5781272	38.83	103	2 dry	Pass	Retest of S26DS-00722
HDR:W26DS00209	S26DS-00757	4/02/2026	2	5837 / 5	356681	5781231	39.42	93.5	3 dry	Fail	See Retest S26DS-00910
HDR:W26DS00209	S26DS-00758	4/02/2026	3	Roadway / 1	356664	5781234	39.064	99.5	0.5 dry	Pass	
HDR:W26DS00209	S26DS-00759	4/02/2026	4	5826 / -	356829	5781288	38.453	93.5	2 dry	Fail	See Retest S26DS-00972
HDR:W26DS00209	S26DS-00769	4/02/2026	5	5828 / -	356804	5781290	38.383	94	2 dry	Fail	See Retest S26DS-00858 & S26DS-00971
HDR:W26DS00226	S26DS-00823	5/02/2026	1	5823 / 1	356881	5781289	37.85	96	0.5 dry	Pass	
HDR:W26DS00226	S26DS-00824	5/02/2026	2	5801 / 5	356659	5781272	40.417	103	2.5 dry	Pass	
HDR:W26DS00226	S26DS-00825	5/02/2026	3	5803 / 5	356681	5781283	40.218	102.5	2.5 dry	Pass	
HDR:W26DS00226	S26DS-00826	5/02/2026	4	5807 / 5	356722	5781311	39.733	107.5	4.5 dry	Fail	See Retest S26DS-00909
HDR:W26DS00234	S26DS-00858	6/02/2026	1	5828	356804	5781290	38.383	98	2.5 wet	Pass	Retest of S26DS-00769 also see Retest S26DS-00971
HDR:W26DS00234	S26DS-00859	6/02/2026	2	5829 / 2	356791	5781291	38.734	96	1 dry	Pass	
HDR:W26DS00234	S26DS-00860	6/02/2026	3	5826 / 2	356818	5781288	38.454	90	3.5 wet	Fail	See Retest S26DS-00912
HDR:W26DS00244	S26DS-00909	9/02/2026	1	5807 / 5	356722	5781311	39.733	101.5	2.5 dry	Pass	Retest of S26DS-00826
HDR:W26DS00244	S26DS-00910	9/02/2026	2	5837 / 5	356681	5781231	39.42	100	2.5 dry	Pass	Retest of S26DS-00757
HDR:W26DS00244	S26DS-00911	9/02/2026	3	5832 / 6	356749	5781257	39.027	101	4 dry	Fail	See Retest S26DS-00970
HDR:W26DS00244	S26DS-00912	9/02/2026	4	5826 / 2	356818	5781288	38.454	97	0.5 dry	Pass	Retest of S26DS-00860

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HILF Density Testing - Field Summary

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Report No	Sample No	Date	Test Number	Lot No	Easting	Northing	Layer/RL	Density Ratio (≥95 %)	Moisture Variation	Pass / Fail	Comments (Retest No)
HDR:W26DS00255	S26DS-00969	10/02/2026	1	5834 / 6	356728	5781243	39.078	100.5	0.5 wet	Pass	
HDR:W26DS00255	S26DS-00970	10/02/2026	2	5832 / 6	356746	5781257	39.027	102.5	0.5 dry	Pass	Retest of S26DS-00911
HDR:W26DS00255	S26DS-00971	10/02/2026	3	5828 / 1	356804	5781290	38.383	100	0.5 dry	Pass	Retest of S26DS-00769
HDR:W26DS00255	S26DS-00972	10/02/2026	4	5826 / 1	356829	5781287	38.453	98.5	0 wet	Pass	Retest of S26DS-00759
HDR:W26DS00255	S26DS-00973	10/02/2026	5	5827/3	356817	5781278	38.516	88	3 wet	Fail	See retest S26DS-01053
HDR:W26DS00272	S26DS-01031	11/02/2026	1	5831 / 3	356768	5781269	39.164	99.5	0.5 dry	Pass	
HDR:W26DS00280	S26DS-01053	12/02/2026	1	5827 / 3	356817	5781278	38.516	96	0 wet	Pass	Retest of S26DS-00973
HDR:W26DS00280	S26DS-01054	12/02/2026	2	5835 / 7	356703	5781246	39.543	95	0 wet	Pass	
HDR:W26DS00305	S26DS-01148	16/02/2026	1	5832 / 7	356753	5781260	39.417	99	0.5 wet	Pass	
HDR:W26DS00305	S26DS-01149	16/02/2026	2	5834 / 7	356729	5781242	39.485	99.5	2 dry	Pass	
HDR:W26DS00328	S26DS-01270	17/02/2026	1	5836 / 8	356704	5781225	39.853	96.5	3 dry	Pass	
HDR:W26DS00328	S26DS-01271	17/02/2026	2	5837 / 8	356677	5781224	39.751	97.5	2.5 dry	Pass	
HDR:W26DS00349	S26DS-01336	18/02/2026	2	5941 / 2	356920	5781341	30.89	93	2 dry	Fail	Stage 58 / 59, See Retest S26DS-2105
HDR:W26DS00382	S26DS-01451	20/02/2026	1	5806 / 7	356711	5781306	39.971	95.5	0.5 dry	Pass	
HDR:W26DS00382	S26DS-01452	20/02/2026	2	5804 / 7	356690	5781291	40.201	99.5	0.5 wet	Pass	
HDR:W26DS00382	S26DS-01453	20/02/2026	3	5802 / 7	356672	5781277	40.328	97.5	0 wet	Pass	
HDR:W26DS00513	S26DS-01921	4/03/2026	1	5807 / Final	356722	5781309	39.92	103.5	0 wet	Pass	
HDR:W26DS00513	S26DS-01922	4/03/2026	2	5803 / Final	356687	5781277	40.337	105	2 dry	Pass	
HDR:W26DS00578	S26DS-02105	10/03/2026	1	5941 / 2	356920	5781341	30.89	103.5	2.5 dry	Pass	Stage 58 / 59, Retest of S26DS-01336
HDR:W26DS01153	S26DS-04290	6/05/2026	1	5811 / 1	356773	5781342	39.395	100.5	0 dry	Pass	
HDR:W26DS01153	S26DS-04291	6/05/2026	2	5810 / 1	356756	5781335	39.355	99	3.5 dry	Fail	See Retest S26DS-04447

Meridian Green, 1091936.058

HILF Density Testing - Field Summary

Chadwick Geotechnics
25 Metcalf Street
Dandenong South VIC 3175
Tel : (03) 8796 7900
Fax: (03) 9706 9431
www.chadwickgeotechnics.com.au

Report No	Sample No	Date	Test Number	Lot No	Easting	Northing	Layer/RL	Density Ratio (≥95 %)	Moisture Variation	Pass / Fail	Comments (Retest No)
HDR:W26DS01190	S26DS-04400	12/05/2026	1	5817 / 1	356854	5781325	38.968	102	0.5 dry	Pass	
HDR:W26DS01190	S26DS-04401	12/05/2026	2	5815 / 1	356831	5781335	38.964	99	0.5 dry	Pass	
HDR:W26DS01191	S26DS-04402	12/05/2026	1	5939 / 1	356886	5781341	39.677	102.5	1 dry	Pass	
HDR:W26DS01192	S26DS-04403	13/05/2026	1	5813 / 1	356806	5781341	39.143	99.5	0.5 wet	Pass	
HDR:W26DS01192	S26DS-04404	13/05/2026	2	5816 / 2	356844	5781324	39.002	103	2 dry	Pass	
HDR:W26DS01192	S26DS-04405	13/05/2026	3	5814 / 2	356817	5781327	39.1	99.5	0 dry	Pass	
HDR:W26DS01193	S26DS-04406	13/05/2026	1	5932 / 1	356783	5781359	39.464	104.5	2 dry	Pass	
HDR:W26DS01193	S26DS-04407	13/05/2026	2	5937 / 2	356859	5781344	39.521	99.5	1.5 dry	Pass	
HDR:W26DS01193	S26DS-04408	13/05/2026	3	5934 / 2	356812	5781351	39.417	101	0.5 dry	Pass	
HDR:W26DS01209	S26DS-04447	14/05/2026	1	5810 / 2	356755	5781334	39.516	101.5	0.5 wet	Pass	Retest of S26DS-04291
HDR:W26DS01209	S26DS-04448	14/05/2026	2	5810 / 1	356773	5781341	39.395	99	0.5 dry	Pass	
HDR:W26DS01267	S26DS-04659	21/05/2026	1	5809 / 3	356737	5781329	39.839	98	0.5 wet	Pass	
HDR:W26DS01282	S26DS-04715	23/05/2026	1	5812 / 3	356792	5781334	39.358	101.5	0.5 wet	Pass	
HDR:W26DS01282	S26DS-04716	23/05/2026	2	5807 / 3	356722	5781309	39.961	102.5	0.5 wet	Pass	
											no further testing Oct 2026

Appendix C NATA compaction laboratory reports

Dandenong South
ACN 143 009 330
25 Metcalf Street
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Ph: + 61 3 8796 7900
Fax: +61 3 9706 9431

Report No: HDR:W25DS02161
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 55
Project No.: 1091936.055
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: 10/10/2025

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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-08438					
Field Sample ID	1					
Date Tested	9/09/2025					
Time Tested	11:00					
E:	356957.214					
N:	5781313.219					
EL:	38.037					
Lot / Layer:	5501 / 1					

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 (%)	14.1					
Field Moisture Content Method	AS 1289.2.1.1					
Field Wet Density (t/m³)	2.02					
Field Dry Density (t/m³)	1.77					
Peak Converted Wet Density (t/m³)	2.10					
Optimum Moisture Content (%)	14.5					
Compactive Effort	Standard					
Moisture Ratio (%)	98.0					
Moisture Variation (%)	0.5 dry					
Hilf Density Ratio (%)	**96.5**					

Comments

Results relate only to the items tested/sampled.

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Dandenong South
ACN 143 009 330
25 Metcalf Street
DANDENONG SOUTH, VIC 3175

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

Report No: HDR:W25DS02347
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 55
Project No.: 1091936.055
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: 10/10/2025

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-09209	S25DS-09210	S25DS-09211	S25DS-09212	S25DS-09213	S25DS-09214
Field Sample ID	1	2	3	4	5	6
Date Tested	3/10/2025	3/10/2025	3/10/2025	3/10/2025	3/10/2025	3/10/2025
Time Tested	10:30	10:45	11:00	13:00	13:10	13:50
E:	356908.181	356904.800	356901.113	356949.038	35933.720	356900.766
N:	5781266.057	5781238.453	57810211.906	5781206.762	5781211.152	5781279.631
EL:	37.230	36.718	36.150	35.361	35.562	37.663
Lot / Layer:	5506 / 2	5508 / 2	5510 / 1	5512 / 2	5511 / 2	5504 / 2
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 (%)	21.7	17.9	18.5	1.5	21.2	19.8
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1
Field Wet Density (t/m³)	1.95	1.87	1.92	1.85	1.91	2.07
Field Dry Density (t/m³)	1.60	1.58	1.62	1.83	1.57	1.72
Peak Converted Wet Density (t/m³)	2.00	1.99	2.00	2.00	1.97	2.04
Optimum Moisture Content (%)	22.0	20.0	20.5	3.0	23.5	20.0
Compactive Effort	Standard	Standard	Standard	Standard	Standard	Standard
Moisture Ratio (%)	99.5	89.5	90.0	46.5	90.5	98.5
Moisture Variation (%)	0.0	2.0 dry	2.0 dry	2.0 dry	2.0 dry	0.5 dry
Hilf Density Ratio (%)	**97.0**	**94.0**	**96.0**	**92.5**	**97.0**	**101.0**

Comments

Results relate only to the items tested/sampled.

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CHADWICK GEOTECHNICS

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25 Metcalf Street
DANDENONG SOUTH, VIC 3175

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

Report No: HDR:W26DS00113
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
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	S26DS-00370	S26DS-00371	S26DS-00372			
Field Sample ID	1	2	3			
Date Tested	27/01/2026	27/01/2026	27/01/2026			
Time Tested	11:00	11:10	11:20			
E:	356757.910	356710.670	356736.315			
N:	5781279.772	5781243.588	5781263.034			
EL:	38.530	38.668	38.553			
Lot / Layer:	5831 / 1	5833 / 1	5835 / 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 (%)	11.1	14.6	14.8			
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1			
Field Wet Density (t/m³)	2.01	1.98	2.00			
Field Dry Density (t/m³)	1.81	1.72	1.75			
Peak Converted Wet Density (t/m³)	2.03	2.04	2.06			
Optimum Moisture Content (%)	13.5	17.0	15.0			
Compactive Effort	Standard	Standard	Standard			
Moisture Ratio (%)	81.0	86.5	98.5			
Moisture Variation (%)	2.5 dry	2.0 dry	0.0			
Hilf Density Ratio (%)	**99.0**	**97.0**	**97.5**			

Comments

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Report No: HDR:W26DS00129
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
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	S26DS-00409	S26DS-00410	S26DS-00411	S26DS-00412		
Field Sample ID	1	2	3	4		
Date Tested	28/01/2026	28/01/2026	28/01/2026	28/01/2026		
Time Tested	15:30	15:45	16:00	16:15		
E:	356722.675	356693.849	356744.378	356771.315		
N:	5781224.146	5781234.142	5781272.822	5781282.722		
EL:	38.704	38.903	38.754	38.567		
Lot / Layer:	5836 / 2	5834 / 2	5832 / 2	5830 / 2		
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 (%)	14.8	13.1	14.3	15.9		
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)	1.93	1.90	1.89	2.08		
Field Dry Density (t/m³)	1.68	1.68	1.65	1.80		
Peak Converted Wet Density (t/m³)	2.01	2.00	2.02	2.03		
Optimum Moisture Content (%)	17.5	16.5	17.0	18.0		
Compactive Effort	Standard	Standard	Standard	Standard		
Moisture Ratio (%)	85.5	80.5	84.5	87.5		
Moisture Variation (%)	2.5 dry	3.0 dry	2.5 dry	2.0 dry		
Hilf Density Ratio (%)	**95.5**	**94.5**	**93.5**	**103.0**		

Comments

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Report No: HDR:W26DS00147
Issue No: 2
This report replaces all previous issues of report no 'HDR:W26DS00147'.

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 28/10/2026

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Sample Details

Location:
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	S26DS-00484	S26DS-00485	S26DS-00486			
Field Sample ID	1	2	3			
Date Tested	29/01/2026	29/01/2026	29/01/2026			
Time Tested	12:50	10:40	10:50			
E:	356697.013	356715.277	356731			
N:	5781285.545	5781299.528	5781311.307			
EL:	39.602	39.429	39.200			
Lot / Layer:	5804 / 1	5806 / 1	5808 / 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 (%)	19.9	17.8	23.4			
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1			
Field Wet Density (t/m³)	1.95	1.96	1.96			
Field Dry Density (t/m³)	1.63	1.66	1.59			
Peak Converted Wet Density (t/m³)	1.89	1.91	1.94			
Optimum Moisture Content (%)	23.5	22.0	24.0			
Compactive Effort	Standard	Standard	Standard			
Moisture Ratio (%)	85.5	80.5	98.0			
Moisture Variation (%)	3.5 dry	4.0 dry	0.5 dry			
Hilf Density Ratio (%)	**103.0**	**102.5**	**101.5**			

Comments

Results relate only to the items tested/sampled.
Report replaces issue: 1 - transcription error

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Report No: HDR:W26DS00160
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
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	S26DS-00540	S26DS-00541				
Field Sample ID	1	2				
Date Tested	30/01/2026	30/01/2026				
Time Tested	12:15	12:45				
E:	356744.378	356762.450				
N:	5781272.822	5781292.030				
EL:	38.754	38.905				
Lot / Layer:	5832 / 2	5830 / 3				
	Retest of S26DS-00411					

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 (%)	19.7	23.0				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	1.99	1.96				
Field Dry Density (t/m³)	1.66	1.60				
Peak Converted Wet Density (t/m³)	2.04	1.99				
Optimum Moisture Content (%)	20.0	23.0				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	99.0	100.0				
Moisture Variation (%)	0.0	0.0				
Hilf Density Ratio (%)	**97.5**	**98.5**				

Comments

Results relate only to the items tested/sampled.

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Report No: HDR:W26DS00179
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
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	S26DS-00646	S26DS-00647	S26DS-00648	S26DS-00649	S26DS-00650	S26DS-00651
Field Sample ID	1	2	3	4	5	6
Date Tested	2/02/2026	2/02/2026	2/02/2026	2/02/2026	2/02/2026	2/02/2026
Time Tested	07:50	08:00	08:10	08:20	08:30	14:00
E:	356712.337	356697.013	356675.777	356715.277	356701.577	356693.849
N:	5781234.047	5781285.545	5781267.314	5781299.528	5781297.077	5781234.142
EL:	38.877	39.602	39.733	39.429	34.811	38.903
Lot / Layer:	5835 / 4	5804 / 1	5802 / 2	5806 / 1	5805 South Side / 3	5834 / 2
		Retest of S26DS-00484		Retest of S26DS-00485		Retest of S26DS-00410
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 (%)	17.5	19.3	21.8	21.4	17.3	18.4
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	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)	1.92	1.93	1.94	1.96	1.96	2.06
Field Dry Density (t/m³)	1.64	1.61	1.59	1.61	1.67	1.74
Peak Converted Wet Density (t/m³)	1.96	1.95	1.91	1.92	2.00	1.96
Optimum Moisture Content (%)	19.0	21.5	25.0	23.5	18.0	20.0
Compactive Effort	Standard	Standard	Standard	Standard	Standard	Standard
Moisture Ratio (%)	91.0	90.5	87.5	90.0	97.0	91.5
Moisture Variation (%)	1.5 dry	2.0 dry	3.0 dry	2.0 dry	0.5 dry	1.5 dry
Hilf Density Ratio (%)	**98.0**	**98.5**	**101.5**	**102.0**	**98.0**	**104.5**

Comments

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Think Act Safe Be

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

Report No: HDR:W26DS00179
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location:
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	S26DS-00652					
Field Sample ID	7					
Date Tested	2/02/2026					
Time Tested	14:40					
E:	356709.225					
N:	5781286.340					
EL:	39.596					
Lot / Layer:	5805 North Side / 3					

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 (%)	16.0					
Field Moisture Content Method	AS 1289.2.1.1					
Field Wet Density (t/m³)	2.06					
Field Dry Density (t/m³)	1.77					
Peak Converted Wet Density (t/m³)	2.00					
Optimum Moisture Content (%)	17.0					
Compactive Effort	Standard					
Moisture Ratio (%)	95.0					
Moisture Variation (%)	1.0 dry					
Hilf Density Ratio (%)	**103.0**					

Comments

Results relate only to the items tested/sampled.

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CHADWICK GEOTECHNICS

Dandenong South
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Report No: HDR:W26DS00198
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
Client Request ID:
Specification Requirements:
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	S26DS-00721	S26DS-00722				
Field Sample ID	1	2				
Date Tested	3/02/2026	3/02/2026				
Time Tested	12:00	15:40				
E:	356670.498	356761.810				
N:	5781258.567	5781271.570				
EL:	39.876	38.830				
Lot / Layer:	5801 / 4	5832 / 5				

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 (%)	21.5	23.6				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	1.97	1.94				
Field Dry Density (t/m³)	1.62	1.57				
Peak Converted Wet Density (t/m³)	2.01	2.09				
Optimum Moisture Content (%)	20.5	23.5				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	103.5	99.5				
Moisture Variation (%)	0.5 wet	0.0				
Hilf Density Ratio (%)	**97.5**	**93.0**				

Comments

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Report No: HDR:W26DS00209
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
Order No.: **CG Request No.:**
TRN: **Lot No.:**

Accredited for compliance with ISO/IEC 17025 – Testing

Accreditation Number: 12719
Site Number: 12712
Approved Signatory: B. Taseski (Branch Laboratory Manager -
Date of Issue: 12/10/2026

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Sample Details

Location:
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	S26DS-00756	S26DS-00757	S26DS-00758	S26DS-00759	S26DS-00769	
Field Sample ID	1	2	3	4	5	
Date Tested	4/02/2026	4/02/2026	4/02/2026	4/02/2026	4/02/2026	
Time Tested	12:30	12:50	13:05	15:10		
E:	356761.810	356681.215	356663.809	356829	356803.813	
N:	5781271.570	5781231.395	5781234.247	5781288	5781289.778	
EL:	38.830	39.420	39.064	38.453	38.383	
Lot / Layer:	5832 / 5	5837 / 5	Roadway / 1	5826 / -	5828 / -	
	Retest of S26DS-00722					
Field and Laboratory Data						
Depth of Test (mm)	175	175	175	175	175	
Depth of Layer (mm)	200	200	200	200	200	
AS Sieve Size (mm)	19.0	19.0	19.0	19.0	19.0	
Oversize Wet (%)	0	0	0	0	0	
Field Moisture Content (%)	16.5	22.4	20.4	19.5	18.4	
Field Moisture Content Method	AS 1289.2.1.1	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)	2.05	1.81	1.98	1.79	1.86	
Field Dry Density (t/m³)	1.76	1.48	1.64	1.50	1.57	
Peak Converted Wet Density (t/m³)	1.99	1.93	1.99	1.92	1.97	
Optimum Moisture Content (%)	19.0	25.5	20.5	21.5	20.5	
Compactive Effort	Standard	Standard	Standard	Standard	Standard	
Moisture Ratio (%)	88.0	88.5	98.5	90.0	89.0	
Moisture Variation (%)	2.0 dry	3.0 dry	0.5 dry	2.0 dry	2.0 dry	
Hilf Density Ratio (%)	**103.0**	**93.5**	**99.5**	**93.5**	**94.0**	

Comments

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Report No: HDR:W26DS00226
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
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	S26DS-00823	S26DS-00824	S26DS-00825	S26DS-00826		
Field Sample ID	1	2	3	4		
Date Tested	5/02/2026	5/02/2026	5/02/2026	5/02/2026		
Time Tested	12:30	15:50	16:00	16:15		
E:	356880.715	356658.531	356681.404	3566721.722		
N:	5781288.787	5781271.904	5781282.966	5781310.742		
EL:	37.850	40.417	40.218	39.733		
Lot / Layer:	5823 / 1	5801 / 5	5803 / 5	5807 / 5		

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 (%)	19.6	20.5	24.1	21.0		
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)	1.93	2.00	1.94	2.00		
Field Dry Density (t/m³)	1.61	1.66	1.56	1.65		
Peak Converted Wet Density (t/m³)	2.01	1.94	1.89	1.86		
Optimum Moisture Content (%)	20.0	23.0	26.5	25.5		
Compactive Effort	Standard	Standard	Standard	Standard		
Moisture Ratio (%)	98.0	89.5	91.0	81.5		
Moisture Variation (%)	0.5 dry	2.5 dry	2.5 dry	4.5 dry		
Hilf Density Ratio (%)	**96.0**	**103.0**	**102.5**	**107.5**		

Comments

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CHADWICK GEOTECHNICS

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Report No: HDR:W26DS00234
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
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: Site Derived
Material: CLAY

Sample Data

Sample ID	S26DS-00858	S26DS-00859	S26DS-00860			
Field Sample ID	1	2	3			
Date Tested	6/02/2026	6/02/2026	6/02/2026			
Time Tested	15:20	15:45	16:00			
E:	356803.803	356791.368	356817.948			
N:	5781289.778	5781290.94	5781287.885			
EL:	38.383	38.734	38.454			
Lot / Lift:	5820 / 5	5829 / 2	5826 / 2			
	Retest of S26DS-00769					
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 (%)	29.5	23.1	27.2			
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1			
Field Wet Density (t/m³)	1.91	1.87	1.81			
Field Dry Density (t/m³)	1.47	1.52	1.42			
Peak Converted Wet Density (t/m³)	1.95	1.95	2.02			
Optimum Moisture Content (%)	27.0	24.0	23.5			
Compactive Effort	Standard	Standard	Standard			
Moisture Ratio (%)	110.0	96.5	115.0			
Moisture Variation (%)	2.5 wet	1.0 dry	3.5 wet			
Hilf Density Ratio (%)	**98.0**	**96.0**	**90.0**			

Comments

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Report No: HDR:W26DS00244
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
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	S26DS-00909	S26DS-00910	S26DS-00911	S26DS-00912		
Field Sample ID	1	2	3	4		
Date Tested	9/02/2026	9/02/2026	9/02/2026	9/02/2026		
Time Tested	09:15	09:45	14:00	14:50		
E:	356721.722	356681.215	356748.674	356817.948		
N:	5781310.742	5781231.395	5781256.618	5781287.885		
EL:	39.733	39.420	39.027	38.454		
Lot / Layer:	5807 / 5	5837 / 5	5832 / 6	5826 / 2		
	Retest of S26DS-00826	Retest of S26DS-00757		Retest of S26DS-00860		
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 (%)	22.1	22.4	23.7	23.1		
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)	1.92	1.93	1.86	1.93		
Field Dry Density (t/m³)	1.57	1.57	1.50	1.56		
Peak Converted Wet Density (t/m³)	1.89	1.93	1.84	1.99		
Optimum Moisture Content (%)	25.0	25.5	28.0	23.5		
Compactive Effort	Standard	Standard	Standard	Standard		
Moisture Ratio (%)	89.0	88.5	84.0	98.5		
Moisture Variation (%)	2.5 dry	2.5 dry	4.0 dry	0.5 dry		
Hilf Density Ratio (%)	**101.5**	**100.0**	**101.0**	**97.0**		

Comments

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Report No: HDR:W26DS00255
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
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	S26DS-00969	S26DS-00970	S26DS-00971	S26DS-00972	S26DS-00973	
Field Sample ID	1	2	3	4	5	
Date Tested	10/02/2026	10/02/2026	10/02/2026	10/02/2026	10/02/2026	
Time Tested	12:00	12:15	13:00	13:15	15:15	
E:	356728.195	356745.674	356803.813	356829.157	356816.862	
N:	5781243.259	5781256.618	5781289.778	5781286.512	5781278.385	
EL:	39.078	39.027	38.383	38.453	38.516	
Lot / Layer:	5834 / 6	5832 / 6	5828 / 1	5826 / 1	38.516	
		Retest of S26DS-00911	Retest of S26DS-00769	Retest of S26DS-00759	5827 / 3	
Field and Laboratory Data						
Depth of Test (mm)	175	175	175	175	175	
Depth of Layer (mm)	200	200	200	200	200	
AS Sieve Size (mm)	19.0	19.0	19.0	19.0	19.0	
Oversize Wet (%)	0	0	0	0	0	
Field Moisture Content (%)	28.2	26.5	25.9	25.0	19.4	
Field Moisture Content Method	AS 1289.2.1.1	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)	1.92	1.93	1.91	1.91	1.87	
Field Dry Density (t/m³)	1.50	1.52	1.51	1.53	1.56	
Peak Converted Wet Density (t/m³)	1.91	1.88	1.91	1.94	2.12	
Optimum Moisture Content (%)	27.5	27.0	26.0	25.0	16.5	
Compactive Effort	Standard	Standard	Standard	Standard	Standard	
Moisture Ratio (%)	102.0	97.5	99.0	100.0	118.0	
Moisture Variation (%)	0.5 wet	0.5 dry	0.5 dry	0.0	3.0 wet	
Hilf Density Ratio (%)	**100.5**	**102.5**	**100.0**	**98.5**	**88.0**	

Comments

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Report No: HDR:W26DS00272
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
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: Site Derived
Material: CLAY

Sample Data

Sample ID	S26DS-01031					
Field Sample ID	1					
Date Tested	11/02/2026					
Time Tested	10:46					
E:	356767.949					
N:	5781268.702					
RL:	39.164					
Lot / Lift:	5831 / 3					

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 (%)	17.4					
Field Moisture Content Method	AS 1289.2.1.1					
Field Wet Density (t/m³)	2.03					
Field Dry Density (t/m³)	1.73					
Peak Converted Wet Density (t/m³)	2.03					
Optimum Moisture Content (%)	18.0					
Compactive Effort	Standard					
Moisture Ratio (%)	96.5					
Moisture Variation (%)	0.5 dry					
Hilf Density Ratio (%)	**99.5**					

Comments

Results relate only to the items tested/sampled.

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Report No: HDR:W26DS00280
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
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: Site Derived
Material: CLAY

Sample Data

Sample ID	S26DS-01053	S26DS-01054				
Field Sample ID	1	2				
Date Tested	12/02/2026	12/02/2026				
Time Tested	11:30	14:40				
E:	356816.862	356702.949				
N:	5781278.385	5781245.633				
RL:	38.516	39.543				
Lot / Lift:	5827 / 3	5835 / 7				
	Retest of S26DS-00973					

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 (%)	15.2	16.1				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	2.02	1.99				
Field Dry Density (t/m³)	1.75	1.71				
Peak Converted Wet Density (t/m³)	2.10	2.09				
Optimum Moisture Content (%)	15.0	16.0				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	101.0	100.5				
Moisture Variation (%)	0.0	0.0				
Hilf Density Ratio (%)	**96.0**	**95.0**				

Comments

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Report No: HDR:W26DS00305
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location:
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	S26DS-01148	S26DS-01149				
Field Sample ID	1	2				
Date Tested	16/02/2026	16/02/2026				
Time Tested	10:45	11:00				
E:	356753.394	356729.280				
N:	5781259.773	5781242.401				
EL:	39.417	39.485				
Lot / Layer:	5832 / 7	5834 / 7				

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 (%)	16.3	17.1				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	2.06	2.00				
Field Dry Density (t/m³)	1.77	1.71				
Peak Converted Wet Density (t/m³)	2.08	2.01				
Optimum Moisture Content (%)	16.0	19.0				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	102.0	90.5				
Moisture Variation (%)	0.5 wet	2.0 dry				
Hilf Density Ratio (%)	**99.0**	**99.5**				

Comments

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CHADWICK GEOTECHNICS

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Report No: HDR:W26DS00328
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
Client Request ID:
Specification Requirements: Minimum Hilf Density Ratio of 98%
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	S26DS-01270	S26DS-01271				
Field Sample ID	1	2				
Date Tested	17/02/2026	17/02/2026				
Time Tested	08:30	08:45				
E:	356703.656	356677.319				
N:	5781225.468	5781224.109				
EL:	39.853	39.751				
Lot / Layer:	5836 / 8	5837 / 8				

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 (%)	13.1	16.1				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	1.94	1.95				
Field Dry Density (t/m³)	1.72	1.68				
Peak Converted Wet Density (t/m³)	2.01	2.00				
Optimum Moisture Content (%)	16.0	18.5				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	81.0	87.0				
Moisture Variation (%)	3.0 dry	2.5 dry				
Hilf Density Ratio (%)	**96.5**	**97.5**				

Comments

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Report No: HDR:W26DS00349
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 59
Project No.: 1091936.059
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: 6/03/2026

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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:	Onsite
Material:	Clay

Sample Data

Sample ID	S26DS-01335	S26DS-01336	S26DS-01337	S26DS-01338	S26DS-01339	S26DS-01340
Field Sample ID	1	2	3	4	5	6
Date Tested	18/02/2026	18/02/2026	18/02/2026	18/02/2026	18/02/2026	18/02/2026
Time Tested	11:30	11:45	12:15	13:00	13:15	15:30
E:	356622.767	356920.222	356699.739	356683.926	356658.723	356629.260
N:	5781270.993	5781340.688	5781347.502	5781308.684	5781292.517	5781258.761
EL:	40.041	30.890	40.193	40.199	40.605	40.100
Lot / Layer:	Road / 4	5941 / 2	5926 / 1	5924 / 1	5922 / -	Road / 6
			Retest of S26DS-01282			
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 (%)	20.4	16.9	16.6	12.5	18.3	22.6
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	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)	1.93	1.86	1.96	2.13	1.92	1.93
Field Dry Density (t/m³)	1.60	1.59	1.68	1.89	1.62	1.57
Peak Converted Wet Density (t/m³)	1.92	2.00	1.95	2.09	2.04	1.87
Optimum Moisture Content (%)	23.0	19.0	20.5	15.0	17.5	25.5
Compactive Effort	Standard	Standard	Standard	Standard	Standard	Standard
Moisture Ratio (%)	88.5	89.5	80.0	84.5	103.0	88.5
Moisture Variation (%)	2.5 dry	2.0 dry	4.0 dry	2.5 dry	0.5 wet	3.0 dry
Hilf Density Ratio (%)	**100.5**	**93.0**	**100.0**	**102.0**	**94.0**	**102.5**

Comments

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Report No: HDR:W26DS00382
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 6/03/2026

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Sample Details

Location:
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	S26DS-01451	S26DS-01452	S26DS-01453			
Field Sample ID	1	2	3			
Date Tested	20/02/2026	20/02/2026	20/02/2026			
Time Tested	13:50	14:00	14:10			
E:	356711.131	356690.177	356672.030			
N:	5781306.430	5781290.517	5781277.225			
EL:	39.971	40.201	40.328			
Lot / Layer:	5806 / 7	5804 / 7	5802 / 7			

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 (%)	14.8	15.0	22.4			
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1			
Field Wet Density (t/m³)	2.04	2.14	1.97			
Field Dry Density (t/m³)	1.78	1.86	1.61			
Peak Converted Wet Density (t/m³)	2.14	2.14	2.02			
Optimum Moisture Content (%)	15.5	15.0	22.5			
Compactive Effort	Standard	Standard	Standard			
Moisture Ratio (%)	96.5	102.0	100.0			
Moisture Variation (%)	0.5 dry	0.5 wet	0.0			
Hilf Density Ratio (%)	**95.5**	**99.5**	**97.5**			

Comments

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Report No: HDR:W26DS00513
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 20/03/2026

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Sample Details

Location:
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	S26DS-01921	S26DS-01922				
Field Sample ID	1	2				
Date Tested	4/03/2026	4/03/2026				
Time Tested	12:05	12:15				
E:	356722.296	356687.193				
N:	5781309.163	5781277.208				
EL:	39.920	40.337				
Lot / Layer:	5807 / Final	5803 / Final				

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 (%)	14.7	20.5				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	2.14	2.02				
Field Dry Density (t/m³)	1.87	1.68				
Peak Converted Wet Density (t/m³)	2.07	1.93				
Optimum Moisture Content (%)	14.5	22.5				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	100.5	91.5				
Moisture Variation (%)	0.0	2.0 dry				
Hilf Density Ratio (%)	**103.5**	**105.0**				

Comments

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Report No: HDR:W26DS00578
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 59
Project No.: 1091936.059
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: 20/03/2026

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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:	Onsite
Material:	Clay

Sample Data

Sample ID	S26DS-02105					
Field Sample ID	1					
Date Tested	10/03/2026					
Time Tested	10:50					
E:	356920					
N:	5781341					
EL:	30.89					
Lot / Layer:	5941 / 2					
	Retest of S26DS-01336					

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 (%)	10.4					
Field Moisture Content Method	AS 1289.2.1.1					
Field Wet Density (t/m³)	2.09					
Field Dry Density (t/m³)	1.90					
Peak Converted Wet Density (t/m³)	2.03					
Optimum Moisture Content (%)	13.0					
Compactive Effort	Standard					
Moisture Ratio (%)	80.5					
Moisture Variation (%)	2.5 dry					
Hilf Density Ratio (%)	**103.5**					

Comments

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Report No: HDR:W26DS01153
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 26/05/2026

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Sample Details

Location:
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	S26DS-04290	S26DS-04291				
Field Sample ID	1	2				
Date Tested	6/05/2026	6/05/2026				
Time Tested	08:30	08:45				
E:	356772.906	356755.792				
N:	5781341.825	5781335.303				
EL:	39.395	39.355				
Lot / Layer:	5811 / 1	5810 / 1				

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 (%)	18.0	17.2				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	2.06	1.93				
Field Dry Density (t/m³)	1.74	1.64				
Peak Converted Wet Density (t/m³)	2.04	1.94				
Optimum Moisture Content (%)	18.5	21.0				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	98.5	82.0				
Moisture Variation (%)	0.0	3.5 dry				
Hilf Density Ratio (%)	**100.5**	**99.0**				

Comments

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Report No: HDR:W26DS01190
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 26/05/2026

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Sample Details

Location:
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	S26DS-04400	S26DS-04401				
Field Sample ID	1	2				
Date Tested	12/05/2026	12/05/2026				
Time Tested	13:50	14:00				
E:	356854.313	356830.995				
N:	5781324.993	5781334.843				
EL:	38.968	38.964				
Lot / Layer:	5817 / 1	5815 / 1				

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 (%)	24.4	22.1				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	2.00	1.97				
Field Dry Density (t/m³)	1.61	1.61				
Peak Converted Wet Density (t/m³)	1.95	1.99				
Optimum Moisture Content (%)	25.0	22.5				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	98.0	98.0				
Moisture Variation (%)	0.5 dry	0.5 dry				
Hilf Density Ratio (%)	**102.0**	**99.0**				

Comments

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Report No: HDR:W26DS01191
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 59
Project No.: 1091936.059
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: 26/05/2026

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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:	Onsite
Material:	Clay

Sample Data

Sample ID	S26DS-04402					
Field Sample ID	1					
Date Tested	12/05/2026					
Time Tested	14:20					
E:	356886.306					
N:	5781340.756					
EL:	39.677					
Lot / Layer:	5939 / 1					

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 (%)	23.3					
Field Moisture Content Method	AS 1289.2.1.1					
Field Wet Density (t/m³)	1.97					
Field Dry Density (t/m³)	1.59					
Peak Converted Wet Density (t/m³)	1.91					
Optimum Moisture Content (%)	24.0					
Compactive Effort	Standard					
Moisture Ratio (%)	96.5					
Moisture Variation (%)	1.0 dry					
Hilf Density Ratio (%)	**102.5**					

Comments

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Report No: HDR:W26DS01192
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 26/05/2026

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Sample Details

Location:
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	S26DS-04403	S26DS-04404	S26DS-04405			
Field Sample ID	1	2	3			
Date Tested	13/05/2026	13/05/2026	13/05/2026			
Time Tested	08:10	15:15	15:25			
E:	356806.112	356843.801	356816.696			
N:	5781340.853	5781324.113	5781327.090			
EL:	39.143	39.002	39.100			
Lot / Layer:	5813 / 1	5816 / 2	5814 / 2			

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 (%)	21.7	22.3	22.7			
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1			
Field Wet Density (t/m³)	2.00	1.99	1.95			
Field Dry Density (t/m³)	1.64	1.62	1.59			
Peak Converted Wet Density (t/m³)	2.01	1.93	1.96			
Optimum Moisture Content (%)	21.5	24.5	23.0			
Compactive Effort	Standard	Standard	Standard			
Moisture Ratio (%)	101.0	91.0	100.0			
Moisture Variation (%)	0.5 wet	2.0 dry	0.0			
Hilf Density Ratio (%)	**99.5**	**103.0**	**99.5**			

Comments

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Report No: HDR:W26DS01193
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 59
Project No.: 1091936.059
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: 26/05/2026

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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: Onsite
Material: Clay

Sample Data

Sample ID	S26DS-04406	S26DS-04407	S26DS-04408			
Field Sample ID	1	2	3			
Date Tested	13/05/2026	13/05/2026	13/05/2026			
Time Tested	08:20	15:35	15:45			
E:	356783.262	356859.408	356812.367			
N:	5781359.127	5781344.245	5781351.096			
EL:	39.464	39.521	39.417			
Lot / Layer:	5932 / 1	5937 / 2	5934 / 2			

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 (%)	24.2	22.3	22.9			
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1	AS 1289.2.1.1			
Field Wet Density (t/m³)	1.97	1.95	1.97			
Field Dry Density (t/m³)	1.59	1.59	1.60			
Peak Converted Wet Density (t/m³)	1.89	1.96	1.95			
Optimum Moisture Content (%)	26.5	24.0	23.5			
Compactive Effort	Standard	Standard	Standard			
Moisture Ratio (%)	91.0	93.5	98.0			
Moisture Variation (%)	2.0 dry	1.5 dry	0.5 dry			
Hilf Density Ratio (%)	**104.5**	**99.5**	**101.0**			

Comments

Results relate only to the items tested/sampled.

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CHADWICK GEOTECHNICS

Think Act Safe Be

Dandenong South
ACN 143 009 330
25 Metcalf Street
DANDENONG SOUTH, VIC 3175

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

Report No: HDR:W26DS01209
Issue No: 2
This report replaces all previous issues of report no 'HDR:W26DS01209'.

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
Order No.: **CG Request No.:**
TRN: **Lot No.:**

Accredited for compliance with ISO/IEC 17025 – Testing

ilac-MRA NATA

Accreditation Number: 12719
Site Number: 12712
Approved Signatory: P. Semmel (Quality Co-Ordinator)
Date of Issue: 23/10/2026

THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location:
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	S26DS-04447	S26DS-04448				
Field Sample ID	1	2				
Date Tested	14/05/2026	14/05/2026				
Time Tested	10:50	11:05				
E:	356755.330	356772.906				
N:	5781333.753	5781341				
EL:	39.516	39.395				
Lot / Layer:	5810	5810 / 1				
	Retest of S26DS-04291					

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 (%)	23.8	20.8				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	2.05	1.97				
Field Dry Density (t/m³)	1.66	1.63				
Peak Converted Wet Density (t/m³)	2.02	1.99				
Optimum Moisture Content (%)	23.0	21.0				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	102.5	98.5				
Moisture Variation (%)	0.5 wet	0.5 dry				
Hilf Density Ratio (%)	**101.5**	**99.0**				

Comments

Results relate only to the items tested/sampled.

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Report No: HDR:W26DS01267
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 26/05/2026

THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Location:
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	S26DS-04659					
Field Sample ID	1					
Date Tested	21/05/2026					
Time Tested	14:00					
E:	356737					
N:	5781329					
EL:	39.839					
Lot / Layer:	5809 / 3					

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 (%)	21.2					
Field Moisture Content Method	AS 1289.2.1.1					
Field Wet Density (t/m³)	2.00					
Field Dry Density (t/m³)	1.65					
Peak Converted Wet Density (t/m³)	2.04					
Optimum Moisture Content (%)	20.5					
Compactive Effort	Standard					
Moisture Ratio (%)	103.0					
Moisture Variation (%)	0.5 wet					
Hilf Density Ratio (%)	**98.0**					

Comments

Results relate only to the items tested/sampled.

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CHADWICK GEOTECHNICS

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Dandenong South
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DANDENONG SOUTH, VIC 3175

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Report No: HDR:W26DS01282
Issue No: 1

HILF Density Ratio Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 3/06/2026

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Sample Details

Location:
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	S26DS-04715	S26DS-04716				
Field Sample ID	1	2				
Date Tested	23/05/2026	23/05/2026				
Time Tested	11:00	11:15				
E:	356791.850	356722.417				
N:	5781333.546	5781309.268				
EL:	39.358	39.961				
Lot / Layer:	5812 / 3	5807 / 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 (%)	21.6	19.7				
Field Moisture Content Method	AS 1289.2.1.1	AS 1289.2.1.1				
Field Wet Density (t/m³)	2.06	2.13				
Field Dry Density (t/m³)	1.69	1.78				
Peak Converted Wet Density (t/m³)	2.03	2.07				
Optimum Moisture Content (%)	21.0	19.0				
Compactive Effort	Standard	Standard				
Moisture Ratio (%)	103.0	102.5				
Moisture Variation (%)	0.5 wet	0.5 wet				
Hilf Density Ratio (%)	**101.5**	**102.5**				

Comments

Results relate only to the items tested/sampled.

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Appendix D NATA compliance laboratory report

Dandenong South
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25 Metcalf Street
DANDENONG SOUTH, VIC 3175

Ph: + 61 3 8796 7900
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Report No: MAT:S26DS-01032/1
Issue No: 1

Material Test Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 22/04/2026

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Sample Details

Sample Location	E 356767.949, N: 5781268.702, RL: 39.164, Lot 5831, Layer 3
Field Sample ID	1
Date Sampled	11/02/2026
Time Sampled	10:45
Source	Site Derived
Material	CI Sandy CLAY, trace gravel, orange brown, medium plasticity, fine to coarse grained sand
Specification	AS Grading
Sampling Method	AS1289.1.2.1 Clause 6.4 (b)
Sample ID	S26DS-01032

Other Test Results

Description	Method	Result	Limits
Moisture Content (%)	AS 1289.2.1.1	11.7	
Date Tested		13/03/2026	
Sample History	AS 1289.1.1	Oven-Dried	
Preparation	AS 1289.1.1	Dry Sieved	
Linear Shrinkage (%)	AS 1289.3.4.1	9.5	
Mould Length (mm)		250	
Crumbling		No	
Curling		No	
Cracking		No	
Liquid Limit (%)	AS 1289.3.1.2	36	
Plastic Limit (%)	AS 1289.3.2.1	15	
Plasticity Index (%)	AS 1289.3.3.1	21	
Date Tested		19/02/2026	

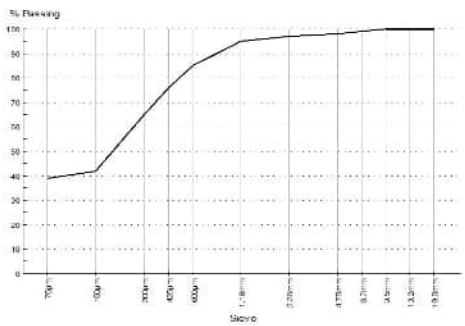
Particle Size Distribution

Method: AS 1289.3.6.1
Drying By: Oven
Date Tested: 17/03/2026

Note: Sample Washed

Sieve Size	% Passing	Limits
19.0mm	100	
13.2mm	100	
9.5mm	100	
6.7mm	99	
4.75mm	98	
2.36mm	97	
1.18mm	95	
600µm	85	
425µm	76	
300µm	65	
150µm	42	
75µm	39	

Chart



Comments

Results relate only to the items tested/sampled.

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Dandenong South
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25 Metcalf Street
DANDENONG SOUTH, VIC 3175

Ph: + 61 3 8796 7900
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Report No: MAT:S26DS-01321/1
Issue No: 1

Material Test Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 22/04/2026

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Sample Details

Sample Location	
Field Sample ID	1
Date Sampled	30/01/2026
Time Sampled	11:45
Material	CH CLAY with sand, trace gravel, orange brown, high plasticity, fine to coarse grained sand
Specification	AS Grading
Sampling Method	
Sample ID	S26DS-01321

Other Test Results

Description	Method	Result	Limits
Moisture Content (%)	AS 1289.2.1.1	20.9	
Date Tested		24/02/2026	
Sample History	AS 1289.1.1	Oven-Dried	
Preparation	AS 1289.1.1	Dry Sieved	
Linear Shrinkage (%)	AS 1289.3.4.1	13.0	
Mould Length (mm)		250	
Crumbling		No	
Curling		No	
Cracking		No	
Liquid Limit (%)	AS 1289.3.1.2	59	
Plastic Limit (%)	AS 1289.3.2.1	25	
Plasticity Index (%)	AS 1289.3.3.1	34	
Date Tested		12/03/2026	

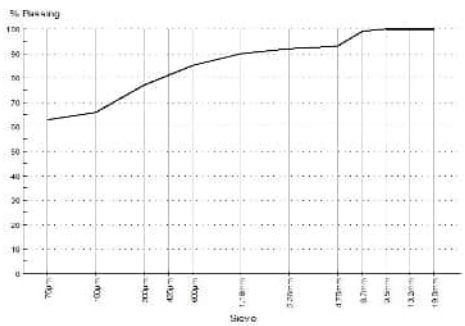
Particle Size Distribution

Method: AS 1289.3.6.1
Drying By: Oven
Date Tested: 27/02/2026

Note: Sample Washed

Sieve Size	% Passing	Limits
19.0mm	100	
13.2mm	100	
9.5mm	100	
6.7mm	99	
4.75mm	93	
2.36mm	92	
1.18mm	90	
600µm	85	
425µm	81	
300µm	77	
150µm	66	
75µm	63	

Chart



Comments

Results relate only to the items tested/sampled.

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Report No: MAT:S26DS-04292/1
Issue No: 1

Material Test Report

Client: Greenridge Properties Pty Ltd
Address: PO Box 3131
AUBURN VIC 3123
Project: Meridian Green Estate, Stage 58
Project No.: 1091936.058
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: 26/05/2026

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Sample Details

Location	Clyde
Sample Location	E: 356755.792, N: 5781335.303, EL: 39.355, Lot: 5810, Layer: 1
Field Sample ID	1
Date Sampled	6/05/2026
Time Sampled	08:45
Source	Onsite
Material	CI Sandy CLAY, trace gravel, red brown, medium plasticity, fine to coarse grained sand
Specification	AS Grading
Sampling Method	AS1289.1.2.1 Clause 6.4 (b)
Sample ID	S26DS-04292

Other Test Results

Description	Method	Result	Limits
Moisture Content (%)	AS 1289.2.1.1	26.3	
Date Tested		8/05/2026	
Sample History	AS 1289.1.1	Oven-Dried	
Preparation	AS 1289.1.1	Dry Sieved	
Linear Shrinkage (%)	AS 1289.3.4.1	14.0	
Mould Length (mm)		250	
Crumbling		No	
Curling		Yes	
Cracking		No	
Liquid Limit (%)	AS 1289.3.1.2	49	
Plastic Limit (%)	AS 1289.3.2.1	18	
Plasticity Index (%)	AS 1289.3.3.1	31	
Date Tested		12/05/2026	

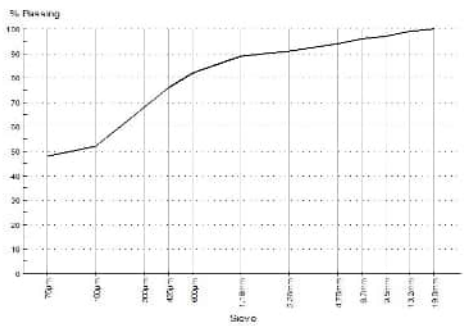
Particle Size Distribution

Method: AS 1289.3.6.1
Drying By: Oven
Date Tested: 13/05/2026

Note: Sample Washed

Sieve Size	% Passing	Limits
19.0mm	100	
13.2mm	99	
9.5mm	97	
6.7mm	96	
4.75mm	94	
2.36mm	91	
1.18mm	89	
600µm	82	
425µm	76	
300µm	68	
150µm	52	
75µm	48	

Chart



Comments

Results relate only to the items tested/sampled.

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Appendix E Controlled fill certificate

CONTROLLED FILL CERTIFICATE - LEVEL 1 INSPECTION & TESTING

PROJECT : Meridian Green estate, Stage 58,
Lots 5801to 5817, 5823 and 5826 to lot 5837.

Chadwick Geotechnics REF: 1091936.058.v1

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

DATE: October 2026

SUMMARY

Chadwick Geotechnics Pty Ltd conducted, Level 1 inspection and testing, in accordance with Section 8.2 of *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 specifications.

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 (9 September 2025 and 25 May 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

Robert Barden
Project Coordinator

Michael Di Meglio
Project Director

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