



# Australian Geotechnical Testing

## Fill Report

**Project No: AGTE251406**  
**Project: Emerald Estate Stage 1**  
**Suburb: Angle Vale**



**Client: Neo Infrastructure**

**Date: 08/09/2026**

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| Geotechnical | Pavement | Environmental | Residential | Design |  
| Slope Stability Assessment | Land Capability Assessments | Erosion and Sediment Control Plan |  
| Retaining Walls | Level 1 Supervision | Earthworks Specification's | Percolation |

**Adelaide | Brisbane | Ballarat | Melbourne | Warrnambool**

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## 1 Introduction

Australian Geotechnical Testing (AGT) have been engaged by Neo Infrastructure to provide Level 1 Geotechnical Supervision for Emerald Estate Stage 1. The project is located at Angle Vale.

This Level 1 report presents the results of supervision activities, compaction and moisture control, material placement and laboratory testing for ground works undertaken for the project. This report covers construction activities carried out from 01/12/2025 - 02/09/2026.

## 2 Scope of Works

The scope of works involved the placement of on-site General Fill. Fill Material was placed in Level one fill areas, in accordance with **AS 3798-2007, Guidelines on earthworks for commercial and residential developments and project specifications**. The thickness of FILL to be placed is less than 5m as per AS3798 Section 1.1.

The fill material is required as per AS3798 and the project specification to achieve:

- • **98% Standard Maximum Dry Density (Compaction)**

General fill material used for the construction was locally sourced and predominantly comprising of **Site Derived Sandy CLAY & Imported Sandy CLAY**.

## 3 Inspections / Supervision

Full-time Level 1 supervision and inspection were undertaken including the supervision and inspections regarding the stripping and removal as per AS3798 Section 3, which shall have removed:

- Organic soils, such as topsoils, severely root affected subsoils and peat;
- Contaminated soils as part of the brief;
- Materials which undergo volume change or loss of strength when disturbed and exposed to moisture;
- Silts, or materials that have deleterious engineering properties of silt;
- Other materials with properties that are unsuitable for the forming of structural fill;
- Fill that contains wood, metal plastic, boulders or other deleterious material, in sufficient proportions to affect the required performance of the fill.
- The maximum particle size of any rocks or other lumps, within the layer, has not exceeded two-thirds ( $\frac{2}{3}$ ) of the compacted layer thickness.

The site was essentially homogeneous in relation to material type and moisture condition, rolling response and compaction technique for the assessment of relative compaction of an area of work (AS3798 Section 1.2.8).

Prior to placement of engineered fill, all existing 'uncontrolled' filled ground, for which the conditions of the placement are not adequately documented (and therefore should not be

assumed to be either of the standard of compaction or of the composition adequate to support fill or any other loads) should be removed (AS3798 Section 2).

## 4 Testing

The project is classified as **Residential**, However the project specification required a minimum compaction result of **98%** density ratio Standard Compaction is required for the **Sandy CLAY** soils (AS 1289 5.7.1 & 5.1.1) throughout the Level 1 Fill and in accordance with AS 3798-2007 – Table 5.2.

The level 1 testing was performed using a Nuclear Density Gauge for field density determination AS 1289.5.8.1.

As a minimum testing was undertaken either 3 tests per lot, 1 test per 2,500m<sup>2</sup> per layer, or 1 test per 500m<sup>3</sup> throughout the placement of fill as per AS3798 Table 8.1.

The material was **Site Derived Sandy CLAY & Imported Sandy CLAY**. The material was placed in approximately 250mm loose layers, rolling effort with on-site Compactor (to seal each layer of placed General Fill material) to a compacted 200mm layer that achieved 98% Standard Compaction which met Australian Standards specifications. This was considered the best method to achieve compaction using the plant and machinery available.

The NATA compaction reports verify the achievement of the minimum density requirement of 98% Standard Compaction throughout the full depth area, with each layer tested accordingly. All test results were provided to our client: Neo Infrastructure for inclusion within their internal quality system.

At the completion of the structural layers and material within 150mm of permanent subgrade level in cuttings, test rolling was undertaken and the layers withstood test rolling without visible deformation or springing (AS 3798 Section 5.5).

The area covered by this Level 1 Supervision report is shown in the Site Plan (Refer to Appendix B). The results of the laboratory Testing are attached in Appendix C.

## 5 Conclusion

Following completion of the earthworks and after analysing the materials used, it has been concluded that the filling procedure conducted by **our client Neo Infrastructure satisfied** the general requirements of AS 3798 regards to the placement of fill materials on a project under Level 1 Supervision and in accordance with the project specification as provided to AGT.

This report has been prepared for the benefit of our client with respect to the particular brief given to us and it may not be relied upon in other contexts or for any other purpose without our prior review and agreement. No responsibility for this report will be taken by AGT if it is altered in any way, or not reproduced in full.

## 6 Closure

AGT's standard report limitations are attached in Appendix A.



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## Appendix A – Limitations

### Limitations

**Scope and purpose.** This report has been prepared for the Client and for the specific project, site and purpose described in the report, in accordance with the agreed scope of services and AGT's terms and conditions of contract. The scope of services may have been influenced by factors including time, budget, access, available information and site constraints. This report should not be used by the client for other projects, other purposes, adjacent land or materially changed developments without the permission and further review by Australian Geotechnical Testing (AGT).

**Reliance on information provided.** In preparing this report, AGT has relied on information provided by the Client and others, including previous geotechnical investigation reports, drawings, plans, surveys, buried services information and details of the proposed development. AGT assumes that the Client has full authority to provide all information supplied to AGT and has obtained all necessary permissions and consents from relevant third parties. Except where expressly stated, AGT has not independently verified the accuracy or completeness of supplied information. If that information is later found to be inaccurate, incomplete or materially changed, the conclusions and recommendations in this report may require review or be invalid.

**Nature of geotechnical investigations.** Geotechnical investigations are interpretive rather than wholly factual documents. Opinions are based on field observations, discrete sampling locations, laboratory testing, published information where relevant, professional experience and judgment. No investigation, however comprehensive, can reveal every subsurface feature, anomaly or local variation across an entire site.

**Subsurface conditions and groundwater.** The conditions described in this report are indicative only of conditions encountered at the specific test locations, to the depths investigated, and at the time the work was performed. Conditions between, beyond or below test locations may differ materially from those encountered. Groundwater levels shown on logs or referred to in this report are observations made at specific times and may vary with season, weather events, dewatering, construction activities and adjacent-site influences.

**Time and change.** This report reflects the site conditions, surrounding influences, proposed development and applicable standards, policies and legislation current at the date of issue. Excavation, filling, piling, dewatering, vibration, adjacent works, natural events or changes to the proposed development or regulatory framework may affect the ongoing relevance of this report. If unexpected ground conditions are encountered, or if the development or site conditions change, AGT should be consulted and the report reviewed.

**Waste Soil Classification.** AGT does not currently provide environmental consultancy, advisory, or interpretation services other than factual assessment against waste soil disposal guidelines.

Waste soil classification reports are strictly limited to presenting factual results obtained from chemical tests of soil conducted in a NATA-certified laboratory. The results are compared against the applicable local state standards and guidelines set forth for waste soil disposal in order to determine and recommend a waste classification.

The report does not include an assessment of environmental risk, remediation advice, or compliance with any other statutory, regulatory, or environmental requirements beyond the stated scope.

The client is solely responsible for determining the suitability of the waste classification for their intended purposes and for seeking independent environmental consultancy services as may be required to address any regulatory, legal, or compliance matters. AGT disclaims any liability for decisions made or actions taken based on this report beyond its specified scope.

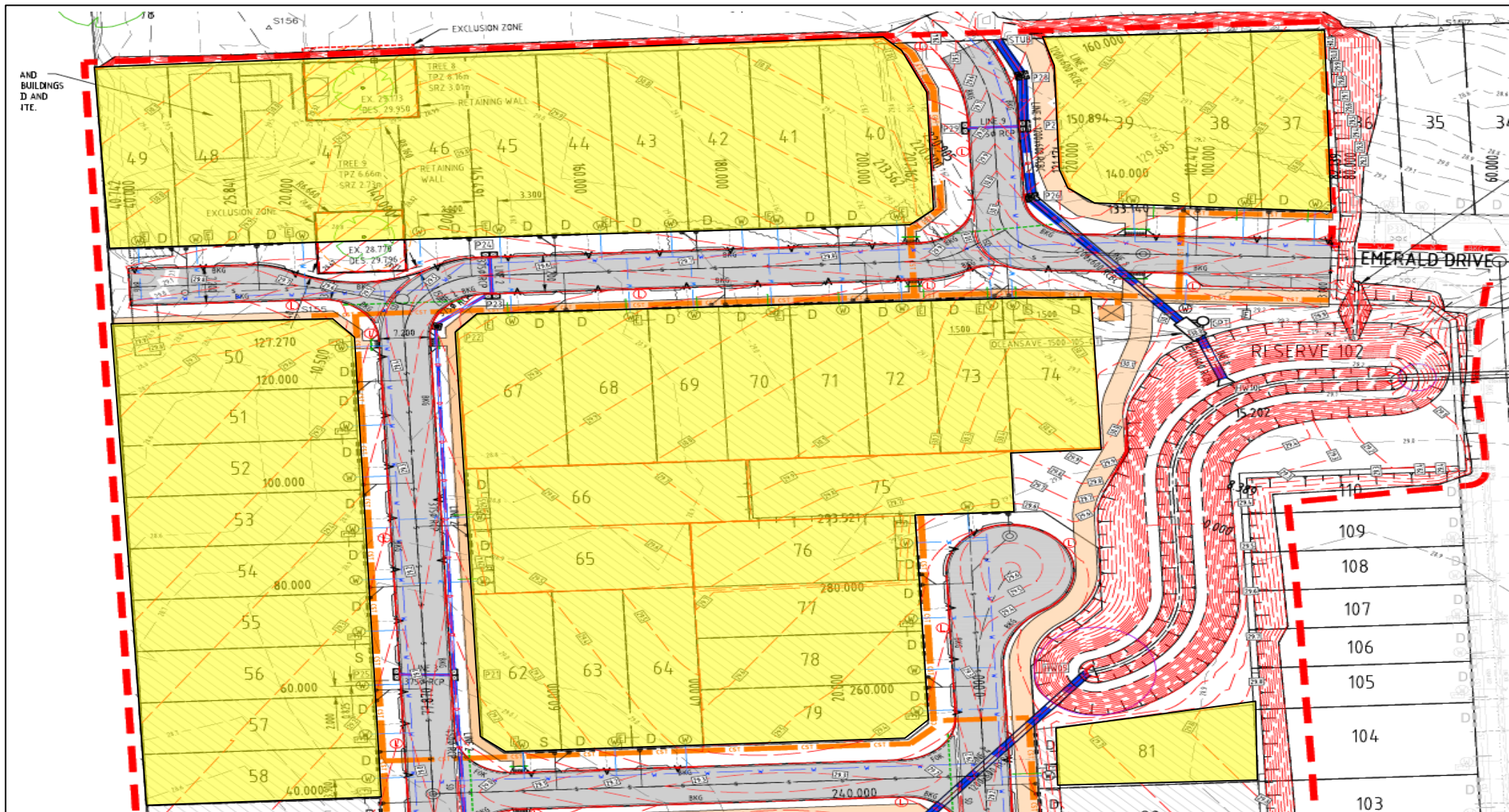
**Use and reliance.** This report has been prepared exclusively for the Client. It should be read in full, together with the logs, plans, test results and explanatory notes, and must not be relied upon if

separated into extracts. No third party may rely on this report without AGT's prior written consent. This report has been written as professional advice and opinion, not as a construction specification, and it should not be incorporated into contract documents or extracted for specification purposes without AGT's review. This report may only be reproduced in full, unless AGT gives prior written approval otherwise.

**Construction phase review.** Conditions exposed during excavation and construction may differ from those inferred in this report. AGT recommends that our geotechnical input be retained during earthworks, foundation, excavation and related construction stages so that any material variations can be identified and assessed, if and when they are encountered. Contractors should make their own assessment of construction methods, temporary works and any additional testing they require for those purposes.

**Professional standard.** AGT has prepared this report with the degree of skill, care and diligence ordinarily exercised by suitably qualified geotechnical consultants practicing in similar circumstances. Nothing in this report is intended to exclude any right or remedy that cannot lawfully be excluded.

## Appendix B – Site Plan



# Key



Level One Fill Area

SITE PLAN - NOT TO SCALE



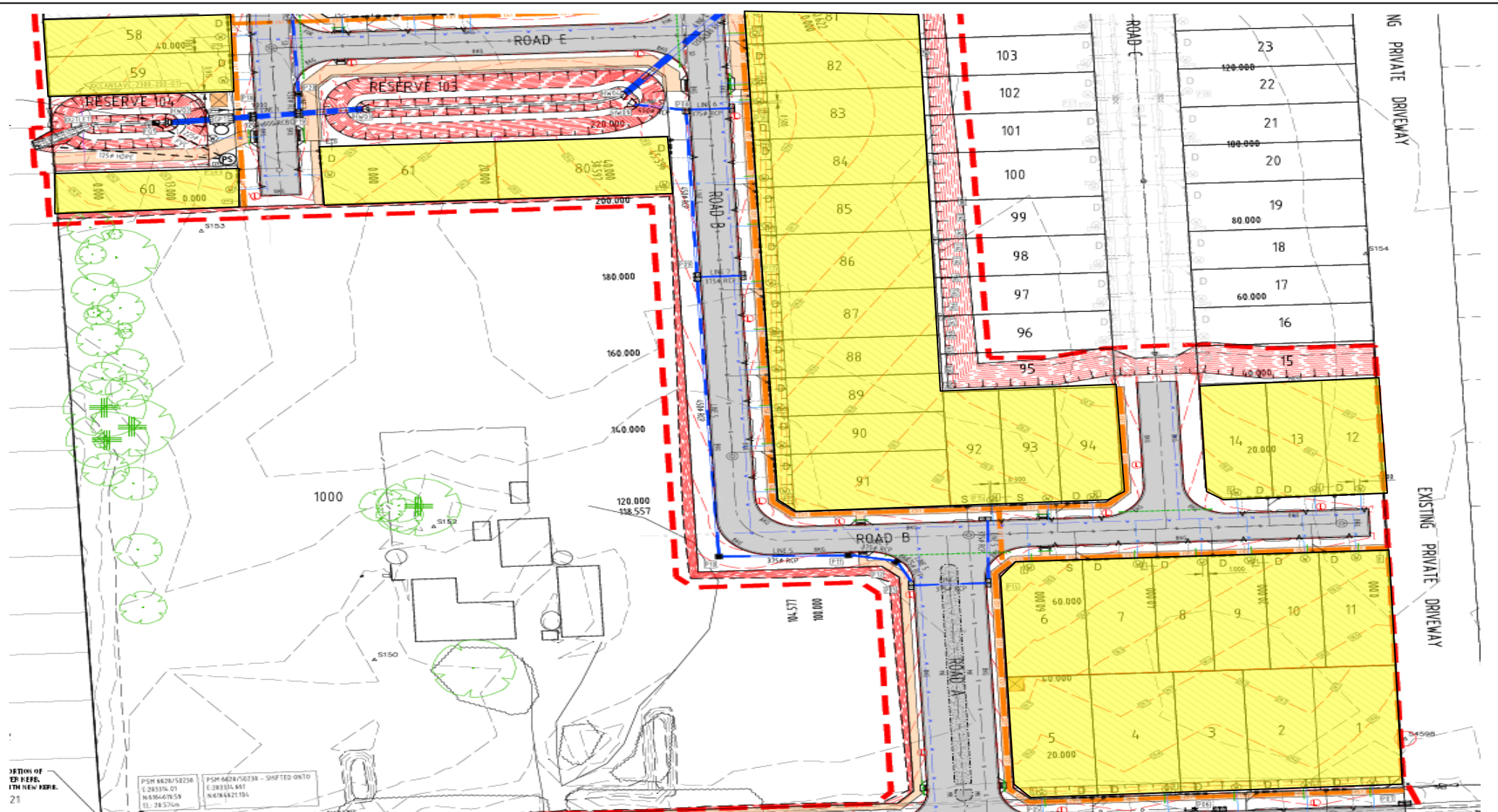
Report No

AGTE251406

**Emerald Estate Stage 1**

**Angle Vale**

NEO Infrastructure



## Key



Level One Fill Area

SITE PLAN - NOT TO SCALE



Report No

AGTE251406

**Emerald Estate Stage 1**

**Angle Vale**

NEO Infrastructure

## Appendix C – Laboratory Testing

# Project Summary Report

**Report Date:** 08/09/2026  
**Client:** NEO Infrastructure  
 25 Liston Rd, Lonsdale SA  
**Contact:** Don Winter  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Specification:** 98% Standard AS1289 5.1.1  
**Test Methods:** AS 1289 5.1.1 STD & 5.4.1 & 5.8.1 & 2.1.1



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| Lot # | Sample # | Date Sampled | Location              | Line / Offset | Offset | Elevation (m) | Layer    | Relative Compaction (%) | Moisture Variation (%) | Moisture Content (%) | Field Wet Density (t/m3) |
|-------|----------|--------------|-----------------------|---------------|--------|---------------|----------|-------------------------|------------------------|----------------------|--------------------------|
| **    | 42071-2  | 01/12/2025   | Allotments - Lot - 79 | 10m W         | 5m S   | **            | Subgrade | 102.5                   | 0.0                    | 12.8                 | 2.08                     |
| **    | 42071-3  | 01/12/2025   | Allotments - Lot - 77 | 16m W         | 4m S   | **            | Subgrade | 99.0                    | 0.5                    | 13.6                 | 2.06                     |
| **    | 42071-4  | 01/12/2025   | Allotments - Lot - 75 | 14m W         | 3m S   | **            | Subgrade | 101.0                   | 0.5                    | 13.3                 | 2.07                     |
| **    | 42071-5  | 01/12/2025   | Allotments - Lot - 63 | 6m W          | 12m S  | **            | Subgrade | 100.5                   | -0.5                   | 14.1                 | 2.07                     |
| **    | 42071-6  | 01/12/2025   | Allotments - Lot - 80 | 13m W         | 4m S   | **            | Subgrade | 101.0                   | 1.5                    | 11.7                 | 2.05                     |
| **    | 42071-7  | 01/12/2025   | Allotments - Lot - 61 | 14m W         | 5m S   | **            | Subgrade | 100.5                   | 1.0                    | 12.0                 | 2.03                     |
| **    | 42071-8  | 01/12/2025   | Allotments - Lot - 80 | 11m W         | 6m S   | **            | Layer 1  | 98.0                    | 1.5                    | 11.5                 | 2.04                     |
| **    | 42071-9  | 01/12/2025   | Allotments - Lot - 61 | 10m W         | 4m S   | **            | Layer 1  | 99.0                    | 0.5                    | 13.1                 | 2.08                     |
| **    | 42071-10 | 01/12/2025   | Allotments - Lot - 62 | 4m W          | 14m S  | **            | Layer 1  | 98.0                    | 1.5                    | 12.6                 | 2.06                     |
| **    | 42071-11 | 01/12/2025   | Allotments - Lot - 64 | 3m W          | 17m S  | **            | Layer 1  | 99.0                    | 1.5                    | 13.5                 | 2.08                     |
| **    | 42071-12 | 02/12/2025   | Allotments - Lot - 81 | 12m W         | 4m S   | **            | Subgrade | 98.5                    | 1.0                    | 13.2                 | 2.04                     |
| **    | 42071-13 | 02/12/2025   | Allotments - Lot - 84 | 15m W         | 3m S   | **            | Subgrade | 98.0                    | 0.5                    | 13.0                 | 2.03                     |
| **    | 42071-14 | 02/12/2025   | Allotments - Lot - 86 | 14m W         | 6m S   | **            | Subgrade | 98.5                    | 2.0                    | 11.2                 | 2.03                     |
| **    | 42071-15 | 02/12/2025   | Allotments - Lot - 88 | 10m W         | 4m S   | **            | Subgrade | 98.0                    | 1.0                    | 12.8                 | 2.04                     |
| **    | 42071-16 | 02/12/2025   | Allotments - Lot - 91 | 16m W         | 6m S   | **            | Subgrade | 98.0                    | 1.0                    | 12.5                 | 2.03                     |
| **    | 42071-17 | 02/12/2025   | Allotments - Lot - 94 | 4m W          | 13m S  | **            | Subgrade | 98.0                    | 1.0                    | 12.7                 | 2.03                     |
| **    | 42071-18 | 02/12/2025   | Allotments - Lot - 76 | 13m W         | 6m S   | **            | Layer 1  | 99.5                    | 2.0                    | 13.7                 | 2.03                     |
| **    | 42071-19 | 02/12/2025   | Allotments - Lot - 78 | 16m W         | 4m S   | **            | Layer 1  | 98.0                    | 1.5                    | 14.0                 | 2.01                     |
| **    | 42071-20 | 02/12/2025   | Allotments - Lot - 82 | 15m W         | 4m S   | **            | Layer 1  | 99.5                    | 1.5                    | 13.7                 | 2.03                     |
| **    | 42071-21 | 02/12/2025   | Allotments - Lot - 84 | 14m W         | 4m S   | **            | Layer 1  | 99.0                    | 2.0                    | 13.9                 | 2.02                     |
| **    | 42071-22 | 02/12/2025   | Allotments - Lot - 86 | 12m W         | 3m S   | **            | Layer 1  | 99.5                    | 2.0                    | 13.7                 | 2.03                     |
| **    | 42071-23 | 02/12/2025   | Allotments - Lot - 88 | 14m W         | 2m S   | **            | Layer 1  | 99.0                    | 1.5                    | 15.5                 | 2.04                     |
| **    | 42071-24 | 03/12/2025   | Allotments - Lot 59   | 16m W         | 4m S   | **            | Subgrade | 98.5                    | 0.5                    | 12.1                 | 2.05                     |
| **    | 42071-25 | 03/12/2025   | Allotments - Lot 56   | 14m W         | 3m S   | **            | Subgrade | 99.0                    | 1.5                    | 11.1                 | 2.04                     |
| **    | 42071-26 | 03/12/2025   | Allotments - Lot 53   | 17m W         | 4m S   | **            | Subgrade | 98.5                    | 1.5                    | 11.0                 | 2.02                     |
| **    | 42071-27 | 03/12/2025   | Allotments - Lot 50   | 14m W         | 4m S   | **            | Subgrade | 99.5                    | 2.0                    | 10.4                 | 2.02                     |
| **    | 42071-28 | 03/12/2025   | Allotments - Lot 60   | 12m W         | 4m S   | **            | Layer 1  | 102.0                   | 2.0                    | 10.4                 | 2.07                     |
| **    | 42071-29 | 03/12/2025   | Allotments - Lot 58   | 10m W         | 3m S   | **            | Layer 1  | 102.5                   | 0.5                    | 11.2                 | 2.09                     |
| **    | 42071-30 | 03/12/2025   | Allotments - Lot 56   | 14m W         | 4m S   | **            | Layer 1  | 99.5                    | 1.0                    | 11.2                 | 2.02                     |
| **    | 42071-31 | 03/12/2025   | Allotments - Lot 54   | 16m W         | 3m S   | **            | Layer 1  | 101.5                   | 1.5                    | 10.6                 | 2.04                     |
| **    | 42071-32 | 03/12/2025   | Allotments - Lot 52   | 15m W         | 4m S   | **            | Layer 1  | 100.5                   | 1.5                    | 10.6                 | 2.01                     |
| **    | 42071-33 | 03/12/2025   | Allotments - Lot 50   | 16m W         | 5m S   | **            | Layer 1  | 100.5                   | 1.0                    | 10.7                 | 2.03                     |
| **    | 42071-34 | 04/12/2025   | Allotments - Lot 80   | 10m W         | 5m S   | **            | Layer 2  | 100.0                   | 1.5                    | 11.5                 | 2.14                     |
| **    | 42071-35 | 04/12/2025   | Allotments - Lot 61   | 16m W         | 4m S   | **            | Layer 2  | 100.0                   | 2.0                    | 11.1                 | 2.12                     |
| **    | 42071-36 | 04/12/2025   | Allotments - Lot 79   | 12m W         | 3m S   | **            | Layer 2  | 100.0                   | 1.5                    | 11.4                 | 2.12                     |
| **    | 42071-37 | 04/12/2025   | Allotments - Lot 63   | 4m W          | 12m S  | **            | Layer 2  | 99.5                    | 1.5                    | 11.4                 | 2.09                     |
| **    | 42071-38 | 04/12/2025   | Allotments - Lot 77   | 15m W         | 3m S   | **            | Layer 2  | 99.0                    | 2.0                    | 11.0                 | 2.07                     |
| **    | 42071-39 | 04/12/2025   | Allotments - Lot 65   | 13m W         | 3m S   | **            | Layer 2  | 100.0                   | 1.5                    | 11.2                 | 2.11                     |
| **    | 42071-40 | 04/12/2025   | Allotments - Lot 5    | 7m W          | 12m S  | **            | Subgrade | 98.5                    | 0.0                    | 9.6                  | 2.05                     |
| **    | 42071-41 | 04/12/2025   | Allotments - Lot 8    | 4m W          | 11m S  | **            | Subgrade | 98.5                    | 0.5                    | 9.0                  | 2.04                     |
| **    | 42071-42 | 04/12/2025   | Allotments - Lot 2    | 3m W          | 14m S  | **            | Subgrade | 99.0                    | -0.5                   | 9.6                  | 2.05                     |
| **    | 42071-43 | 04/12/2025   | Allotments - Lot 11   | 5m W          | 10m S  | **            | Subgrade | 99.0                    | 0.5                    | 7.9                  | 2.02                     |
| **    | 42071-44 | 04/12/2025   | Allotments - Lot 6    | 6m W          | 10m S  | **            | Layer 1  | 99.5                    | 1.0                    | 8.0                  | 1.99                     |
| **    | 42071-45 | 04/12/2025   | Allotments - Lot 8    | 3m W          | 16m S  | **            | Layer 1  | 98.0                    | 1.5                    | 8.2                  | 1.97                     |
| **    | 42071-46 | 04/12/2025   | Allotments - Lot 10   | 4m W          | 14m S  | **            | Layer 1  | 98.0                    | 1.0                    | 9.2                  | 2.04                     |

| Lot # | Sample # | Date Sampled | Location                | Line / Offset | Offset | Elevation (m) | Layer    | Relative Compaction (%) | Moisture Variation (%) | Moisture Content (%) | Field Wet Density (t/m3) |
|-------|----------|--------------|-------------------------|---------------|--------|---------------|----------|-------------------------|------------------------|----------------------|--------------------------|
| **    | 42071-47 | 04/12/2025   | Allotments - Lot 1      | 2m W          | 13m S  | **            | Layer 1  | 99.5                    | 0.0                    | 10.3                 | 2.04                     |
| **    | 42071-48 | 04/12/2025   | Allotments - Lot 3      | 5m W          | 9m S   | **            | Layer 1  | 101.0                   | 1.0                    | 9.7                  | 2.06                     |
| **    | 42071-49 | 04/12/2025   | Allotments - Lot 5      | 3m W          | 11m S  | **            | Layer 1  | 99.5                    | 1.5                    | 9.0                  | 2.04                     |
| **    | 42071-50 | 08/12/2025   | Allotment Fill - Lot 4  | 4m W          | 16m S  | **            | Layer 2  | 99.0                    | 0.0                    | 12.2                 | 2.08                     |
| **    | 42071-51 | 08/12/2025   | Allotment Fill - Lot 2  | 3m W          | 17m S  | **            | Layer 2  | 99.5                    | 1.5                    | 10.6                 | 2.09                     |
| **    | 42071-52 | 08/12/2025   | Allotment Fill - Lot 9  | 4m W          | 10m S  | **            | Layer 2  | 98.0                    | 1.5                    | 10.8                 | 2.03                     |
| **    | 42071-53 | 08/12/2025   | Allotment Fill - Lot 7  | 4m W          | 14m S  | **            | Layer 2  | 99.0                    | 2.0                    | 10.8                 | 2.05                     |
| **    | 42071-54 | 08/12/2025   | Allotment Fill - Lot 9  | 2m W          | 11m S  | **            | Layer 3  | 101.0                   | 1.5                    | 10.0                 | 2.06                     |
| **    | 42071-55 | 08/12/2025   | Allotment Fill - Lot 11 | 5m W          | 13m S  | **            | Layer 3  | 99.5                    | 0.5                    | 11.7                 | 2.04                     |
| **    | 42071-56 | 09/12/2025   | Septic B-Fill           | 2m S          | 2m W   | **            | Layer 1  | 100.5                   | 4.5                    | 7.7                  | 2.05                     |
| **    | 42071-57 | 09/12/2025   | Septic B-Fill           | 2m S          | 2m W   | **            | Layer 2  | 100.0                   | 3.5                    | 8.1                  | 2.05                     |
| **    | 42071-58 | 09/12/2025   | Septic B-Fill           | 2m S          | 2m W   | **            | Layer 3  | 98.5                    | 3.0                    | 8.5                  | 2.03                     |
| **    | 42071-59 | 09/12/2025   | Tree B-Fill             | 2m S          | 3m S   | **            | Layer 1  | 99.5                    | 2.5                    | 8.5                  | 2.04                     |
| **    | 42071-60 | 09/12/2025   | Tree B-fill             | 2m S          | 3m W   | **            | Layer 2  | 101.0                   | 3.5                    | 8.3                  | 2.05                     |
| **    | 42071-61 | 09/12/2025   | Tree B-fill             | 2m S          | 3m W   | **            | Layer 3  | 101.0                   | 3.0                    | 8.8                  | 2.04                     |
| **    | 42071-62 | 12/12/2025   | Allotments - Lot 6      | 6m W          | 12m S  | **            | Layer 4  | 99.5                    | 1.5                    | 13.4                 | 2.07                     |
| **    | 42071-63 | 12/12/2025   | Allotments - Lot 4      | 4m W          | 14m S  | **            | Layer 4  | 100.5                   | 2.0                    | 13.2                 | 2.08                     |
| **    | 42071-64 | 12/12/2025   | Allotments - Lot 10     | 5m W          | 11m S  | **            | Layer 4  | 102.0                   | 1.5                    | 13.3                 | 2.10                     |
| **    | 42071-65 | 12/12/2025   | Allotments - Lot 1      | 5m W          | 10m S  | **            | Layer 4  | 100.0                   | 0.5                    | 13.7                 | 2.08                     |
| **    | 42071-66 | 12/12/2025   | Allotments - Lot 7      | 5m W          | 12m S  | **            | Layer 5  | 101.5                   | 1.5                    | 13.2                 | 2.07                     |
| **    | 42071-67 | 12/12/2025   | Allotments - Lot 9      | 4m W          | 14m S  | **            | Layer 5  | 102.0                   | 1.5                    | 13.2                 | 2.07                     |
| **    | 42071-68 | 17/12/2025   | Allotments - Lot 14     | 4m W          | 12m S  | **            | Layer 1  | 99.0                    | 2.0                    | 14.0                 | 2.06                     |
| **    | 42071-69 | 17/12/2025   | Allotments - Lot 12     | 3m W          | 14m S  | **            | Layer 2  | 101.5                   | 2.0                    | 13.4                 | 2.07                     |
| **    | 42071-70 | 17/12/2025   | Allotments - Lot 13     | 6m W          | 10m S  | **            | Layer 3  | 100.5                   | 2.0                    | 13.2                 | 2.05                     |
| **    | 42071-71 | 17/12/2025   | Allotments - Lot 12     | 5m W          | 13m S  | **            | Layer 4  | 101.0                   | 1.5                    | 12.6                 | 2.06                     |
| **    | 42071-72 | 17/12/2025   | Allotments - Lot 14     | 6m W          | 9m S   | **            | Layer 5  | 101.0                   | 2.0                    | 12.8                 | 2.03                     |
| **    | 42071-73 | 17/12/2025   | Allotments - Lot 13     | 2m W          | 11m S  | **            | Layer 6  | 101.5                   | 1.5                    | 13.5                 | 2.04                     |
| **    | 42071-74 | 07/01/2026   | Allotments - Lot 93     | 4m W          | 16m S  | **            | Layer 1  | 98.5                    | 1.5                    | 12.4                 | 2.03                     |
| **    | 42071-75 | 07/01/2026   | Allotments - Lot 93     | 20m W         | 4m S   | **            | Layer 1  | 98.5                    | 1.5                    | 12.2                 | 2.04                     |
| **    | 42071-76 | 07/01/2026   | Allotments - Lot 93     | 22m W         | 3m S   | **            | Layer 1  | 98.5                    | 1.5                    | 12.4                 | 2.03                     |
| **    | 42071-77 | 13/01/2026   | Allotments - Lot 87     | 6m W          | 14m S  | **            | Layer 2  | 100.0                   | 1.5                    | 8.5                  | 2.07                     |
| **    | 42071-78 | 13/01/2026   | Allotments - Lot 85     | 4m W          | 17m S  | **            | Layer 2  | 100.5                   | 1.5                    | 8.9                  | 2.07                     |
| **    | 42071-79 | 13/01/2026   | Allotments - Lot 91     | 5m W          | 16m S  | **            | Layer 2  | 100.5                   | 1.0                    | 9.4                  | 2.07                     |
| **    | 42071-80 | 13/01/2026   | Allotments - Lot 91     | 6m W          | 17m S  | **            | Layer 3  | 100.5                   | 1.0                    | 8.9                  | 2.06                     |
| **    | 42071-81 | 13/01/2026   | Allotments - Lot 86     | 4m W          | 14m S  | **            | Layer 3  | 101.5                   | 0.5                    | 9.5                  | 2.08                     |
| **    | 42071-82 | 13/01/2026   | Allotments - Lot 84     | 5m W          | 17m S  | **            | Layer 3  | 101.0                   | 0.5                    | 9.4                  | 2.06                     |
| **    | 42071-83 | 13/01/2026   | Allotments - Lot 82     | 6m W          | 10m S  | **            | Layer 3  | 98.5                    | 1.0                    | 9.4                  | 2.18                     |
| **    | 42071-84 | 13/01/2026   | Allotments - Lot 81     | 4m W          | 16m S  | **            | Layer 4  | 98.5                    | 1.0                    | 9.6                  | 2.16                     |
| **    | 42071-85 | 13/01/2026   | Allotments - Lot 83     | 5m W          | 17m S  | **            | Layer 4  | 99.0                    | 1.5                    | 9.5                  | 2.15                     |
| **    | 42071-86 | 13/01/2026   | Allotments - Lot 79     | 7m W          | 10m S  | **            | Layer 3  | 98.5                    | 1.0                    | 9.3                  | 2.15                     |
| **    | 42071-87 | 13/01/2026   | Allotments - Lot 63     | 6m W          | 11m S  | **            | Layer 3  | 98.5                    | -1.0                   | 11.3                 | 2.17                     |
| **    | 42071-88 | 13/01/2026   | Allotments - Lot 76     | 5m W          | 12m S  | **            | Layer 3  | 99.0                    | -1.0                   | 11.5                 | 2.17                     |
| **    | 42071-89 | 14/01/2026   | Allotments - Lot 68     | 5m W          | 16m S  | **            | Subgrade | 100.0                   | 1.0                    | 10.2                 | 2.13                     |
| **    | 42071-90 | 14/01/2026   | Allotments - Lot 70     | 4m W          | 21m S  | **            | Subgrade | 100.5                   | 0.5                    | 10.3                 | 2.14                     |
| **    | 42071-91 | 14/01/2026   | Allotments - Lot 73     | 6m W          | 18m S  | **            | Subgrade | 102.5                   | 1.5                    | 9.1                  | 2.15                     |
| **    | 42071-92 | 14/01/2026   | Allotments - Lot 72     | 6m W          | 12m S  | **            | Layer 1  | 99.5                    | 1.0                    | 9.8                  | 2.11                     |
| **    | 42071-93 | 14/01/2026   | Allotments - Lot 69     | 4m W          | 16m S  | **            | Layer 1  | 100.0                   | -0.5                   | 11.5                 | 2.13                     |
| **    | 42071-94 | 14/01/2026   | Allotments - Lot 67     | 5m W          | 15m S  | **            | Layer 1  | 102.5                   | 1.5                    | 9.2                  | 2.12                     |

| Lot # | Sample #  | Date Sampled | Location                | Line / Offset | Offset | Elevation (m) | Layer    | Relative Compaction (%) | Moisture Variation (%) | Moisture Content (%) | Field Wet Density (t/m3) |
|-------|-----------|--------------|-------------------------|---------------|--------|---------------|----------|-------------------------|------------------------|----------------------|--------------------------|
| **    | 42071-436 | 02/09/2026   | Allotments - Lot 48     | 6m E          | 12m S  | **            | Subgrade | 98.5                    | -0.5                   | 12.7                 | 2.13                     |
| **    | 42071-437 | 02/09/2026   | Allotments - Lot 46     | 5m E          | 10m S  | **            | Subgrade | 98.5                    | 0.5                    | 13.9                 | 2.10                     |
| **    | 42071-438 | 02/09/2026   | Allotments - Lot 43     | 4m E          | 14m S  | **            | Subgrade | 98.0                    | 0.0                    | 13.6                 | 2.12                     |
| **    | 42071-439 | 02/09/2026   | Allotments - Lot 41     | 6m E          | 9m S   | **            | Subgrade | 98.5                    | -0.5                   | 15.4                 | 2.11                     |
| **    | 42071-440 | 02/09/2026   | Allotments - Lot 38     | 3m E          | 11m S  | **            | Subgrade | 98.0                    | 0.0                    | 14.4                 | 2.12                     |
| **    | 42071-441 | 02/09/2026   | Allotments - Lot 47     | 6m E          | 8m S   | **            | Subgrade | 100.0                   | 1.0                    | 13.5                 | 2.11                     |
| **    | 42071-442 | 02/09/2026   | Allotment Fill - Lot 44 | 3m E          | 11m S  | **            | Layer 1  | 98.0                    | -0.5                   | 14.7                 | 2.12                     |
| **    | 42071-443 | 02/09/2026   | Allotment Fill - Lot 41 | 5m E          | 7m S   | **            | Layer 1  | 100.5                   | 1.0                    | 14.4                 | 2.14                     |
| **    | 42071-444 | 02/09/2026   | Allotment Fill - Lot 39 | 7m E          | 12m S  | **            | Layer 1  | 98.0                    | 1.0                    | 16.1                 | 2.10                     |
| **    | 42071-445 | 02/09/2026   | Allotment Fill - Lot 37 | 3m E          | 10m S  | **            | Layer 2  | 99.5                    | 0.5                    | 13.6                 | 2.13                     |
| **    | 42071-446 | 02/09/2026   | Allotment Fill - Lot 42 | 3m E          | 9m S   | **            | Layer 2  | 99.5                    | 1.0                    | 13.2                 | 2.14                     |
| **    | 42071-447 | 02/09/2026   | Allotment Fill - Lot 45 | 4m E          | 7m S   | **            | Layer 2  | 98.5                    | 0.0                    | 13.4                 | 2.11                     |

|    |           |            |                         |       |       |    |         |      |      |      |      |
|----|-----------|------------|-------------------------|-------|-------|----|---------|------|------|------|------|
| ** | 42071-448 | 02/09/2026 | Allotment Fill - Lot 49 | 3m E  | 10m S | ** | Layer 2 | 99.0 | 0.0  | 14.6 | 2.12 |
| ** | 42071-449 | 02/09/2026 | Allotment Fill - Lot 50 | 10m E | 3m S  | ** | Layer 2 | 98.0 | 0.0  | 15.3 | 2.12 |
| ** | 42071-450 | 02/09/2026 | Allotment Fill - Lot 52 | 14m E | 3m S  | ** | Layer 2 | 99.0 | 0.5  | 14.5 | 2.12 |
| ** | 42071-451 | 02/09/2026 | Allotment Fill - Lot 50 | 9m E  | 4m S  | ** | Layer 3 | 98.5 | -0.5 | 14.4 | 2.14 |
| ** | 42071-452 | 02/09/2026 | Allotment Fill - Lot 52 | 11m E | 2m S  | ** | Layer 3 | 98.5 | -0.5 | 14.2 | 2.13 |
| ** | 42071-453 | 02/09/2026 | Allotment Fill - Lot 48 | 3m E  | 10m S | ** | Layer 3 | 98.0 | -0.5 | 14.0 | 2.13 |
| ** | 42071-454 | 02/09/2026 | Allotment Fill - Lot 45 | 5m E  | 11m S | ** | Layer 3 | 99.0 | 0.5  | 13.6 | 2.12 |
| ** | 42071-455 | 02/09/2026 | Allotment Fill - Lot 42 | 3m E  | 9m S  | ** | Layer 3 | 98.5 | 0.0  | 15.1 | 2.12 |
| ** | 42071-456 | 02/09/2026 | Allotment Fill - Lot 38 | 4m E  | 10m S | ** | Layer 3 | 98.0 | 0.0  | 13.7 | 2.11 |
| ** | 42071-457 | 02/09/2026 | Allotment Fill - Lot 72 | 3m E  | 7m S  | ** | Layer 3 | 99.0 | -0.5 | 13.2 | 2.14 |
| ** | 42071-458 | 02/09/2026 | Allotment Fill - Lot 69 | 4m E  | 8m S  | ** | Layer 3 | 98.5 | -0.5 | 15.3 | 2.13 |
| ** | 42071-459 | 02/09/2026 | Allotment Fill - Lot 66 | 12m E | 2m S  | ** | Layer 3 | 99.0 | 0.0  | 12.6 | 2.11 |

**Moisture Variation Note:**

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-2  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21054  
**Date Sampled:** 01/12/2025  
**Dates Tested:** 03/12/2025 - 14/01/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                       |                       |                       |                       |                       |                       |
|----------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Sample Number                                            | 42071-2               | 42071-3               | 42071-4               | 42071-5               | 42071-6               | 42071-7               |
| Date Tested                                              | 01/12/2025            | 01/12/2025            | 01/12/2025            | 01/12/2025            | 01/12/2025            | 01/12/2025            |
| Time Tested                                              | 09:40                 | 09:48                 | 09:53                 | 09:59                 | 10:07                 | 10:13                 |
| Test Request #/Location                                  | Allotments - Lot - 79 | Allotments - Lot - 77 | Allotments - Lot - 75 | Allotments - Lot - 63 | Allotments - Lot - 80 | Allotments - Lot - 61 |
| Line / Offset                                            | 10m W                 | 16m W                 | 14m W                 | 6m W                  | 13m W                 | 14m W                 |
| Offset                                                   | 5m S                  | 4m S                  | 3m S                  | 12m S                 | 4m S                  | 5m S                  |
| Layer / Reduced Level                                    | Subgrade              | Subgrade              | Subgrade              | Subgrade              | Subgrade              | Subgrade              |
| Thickness of Layer (mm)                                  | 200                   | 200                   | 200                   | 200                   | 200                   | 200                   |
| Soil Description                                         | Sandy Clay            | Sandy Clay            | Sandy Clay            | Sandy Clay            | Sandy Clay            | Sandy Clay            |
| Test Depth (mm)                                          | 175                   | 175                   | 175                   | 175                   | 175                   | 175                   |
| Fraction Tested (mm)                                     | 19.0                  | 19.0                  | 19.0                  | 19.0                  | 19.0                  | 19.0                  |
| Oversize (wet basis) %                                   | **                    | **                    | **                    | **                    | **                    | **                    |
| Oversize (dry basis) %                                   | **                    | **                    | **                    | **                    | **                    | **                    |
| Curing Hours                                             | 26                    | 26                    | 26                    | 26                    | 26                    | 26                    |
| Method used to Determine Plasticity                      | Visual/tactile        | Visual/tactile        | Visual/tactile        | Visual/tactile        | Visual/tactile        | Visual/tactile        |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.08                  | 2.06                  | 2.07                  | 2.07                  | 2.05                  | 2.03                  |
| Field Moisture Content %                                 | 12.8                  | 13.6                  | 13.3                  | 14.1                  | 11.7                  | 12.0                  |
| Field Dry Density t/m <sup>3</sup>                       | 1.85                  | 1.81                  | 1.83                  | 1.81                  | 1.83                  | 1.81                  |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.80                  | 1.83                  | 1.81                  | 1.81                  | 1.81                  | 1.81                  |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                    | **                    | **                    | **                    | **                    | **                    |
| Optimum Moisture Content (OMC) %                         | 13.0                  | 14.0                  | 14.0                  | 13.5                  | 13.0                  | 13.0                  |
| Adjusted Optimum Moisture Content (OMC) %                | **                    | **                    | **                    | **                    | **                    | **                    |
| Moisture Variation %                                     | 0.0                   | 0.5                   | 0.5                   | -0.5                  | 1.5                   | 1.0                   |
| Moisture Ratio %                                         | 99.5                  | 97.0                  | 95.5                  | 103.0                 | 89.5                  | 91.0                  |
| Density Ratio %                                          | 102.5                 | 99.0                  | 101.0                 | 100.5                 | 101.0                 | 100.5                 |
| Compaction Method                                        | Standard              | Standard              | Standard              | Standard              | Standard              | Standard              |

## Moisture Variation Note:

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

# Material Test Report

**Report Number:** AGT42071-3  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
 25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21055  
**Date Sampled:** 01/12/2025  
**Dates Tested:** 03/12/2025 - 08/01/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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*[Signature]*

Approved Signatory: Loky Maynard  
 Laboratory Manager - Adelaide  
 Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                       |                       |                       |                       |
|----------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Sample Number                                            | 42071-8               | 42071-9               | 42071-10              | 42071-11              |
| Date Tested                                              | 01/12/2025            | 01/12/2025            | 01/12/2025            | 01/12/2025            |
| Time Tested                                              | 13:01                 | 13:09                 | 13:15                 | 13:22                 |
| Test Request #/Location                                  | Allotments - Lot - 80 | Allotments - Lot - 61 | Allotments - Lot - 62 | Allotments - Lot - 64 |
| Line / Offset                                            | 11m W                 | 10m W                 | 4m W                  | 3m W                  |
| Offset                                                   | 6m S                  | 4m S                  | 14m S                 | 17m S                 |
| Layer / Reduced Level                                    | Layer 1               | Layer 1               | Layer 1               | Layer 1               |
| Thickness of Layer (mm)                                  | 200                   | 200                   | 200                   | 200                   |
| Soil Description                                         | Sandy Clay            | Sandy Clay            | Sandy Clay            | Sandy Clay            |
| Test Depth (mm)                                          | 175                   | 175                   | 175                   | 175                   |
| Fraction Tested (mm)                                     | 19.0                  | 19.0                  | 19.0                  | 19.0                  |
| Oversize (wet basis) %                                   | **                    | **                    | **                    | **                    |
| Oversize (dry basis) %                                   | **                    | **                    | **                    | **                    |
| Curing Hours                                             | 48.5                  | 48                    | 49                    | 49.5                  |
| Method used to Determine Plasticity                      | Visual/tactile        | Visual/tactile        | Visual/tactile        | Visual/tactile        |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.04                  | 2.08                  | 2.06                  | 2.08                  |
| Field Moisture Content %                                 | 11.5                  | 13.1                  | 12.6                  | 13.5                  |
| Field Dry Density t/m <sup>3</sup>                       | 1.83                  | 1.84                  | 1.83                  | 1.83                  |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.87                  | 1.86                  | 1.88                  | 1.85                  |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                    | **                    | **                    | **                    |
| Optimum Moisture Content (OMC) %                         | 13.0                  | 13.5                  | 14.0                  | 15.0                  |
| Adjusted Optimum Moisture Content (OMC) %                | **                    | **                    | **                    | **                    |
| Moisture Variation %                                     | 1.5                   | 0.5                   | 1.5                   | 1.5                   |
| Moisture Ratio %                                         | 88.0                  | 97.0                  | 89.0                  | 89.5                  |
| Density Ratio %                                          | 98.0                  | 99.0                  | 98.0                  | 99.0                  |
| Compaction Method                                        | Standard              | Standard              | Standard              | Standard              |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-4  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21056  
**Date Sampled:** 02/12/2025  
**Dates Tested:** 03/12/2025 - 18/12/2025  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                       |                       |                       |                       |                       |                       |
|----------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Sample Number                                            | 42071-12              | 42071-13              | 42071-14              | 42071-15              | 42071-16              | 42071-17              |
| Date Tested                                              | 02/12/2025            | 02/12/2025            | 02/12/2025            | 02/12/2025            | 02/12/2025            | 02/12/2025            |
| Time Tested                                              | 09:36                 | 09:42                 | 09:47                 | 09:53                 | 10:00                 | 10:07                 |
| Test Request #/Location                                  | Allotments - Lot - 81 | Allotments - Lot - 84 | Allotments - Lot - 86 | Allotments - Lot - 88 | Allotments - Lot - 91 | Allotments - Lot - 94 |
| Line / Offset                                            | 12m W                 | 15m W                 | 14m W                 | 10m W                 | 16m W                 | 4m W                  |
| Offset                                                   | 4m S                  | 3m S                  | 6m S                  | 4m S                  | 6m S                  | 13m S                 |
| Layer / Reduced Level                                    | Subgrade              | Subgrade              | Subgrade              | Subgrade              | Subgrade              | Subgrade              |
| Thickness of Layer (mm)                                  | 200                   | 200                   | 200                   | 200                   | 200                   | 200                   |
| Soil Description                                         | Sandy Clay            | Sandy Clay            | Sandy Clay            | Sandy Clay            | Sandy Clay            | Sandy Clay            |
| Test Depth (mm)                                          | 175                   | 175                   | 175                   | 175                   | 175                   | 175                   |
| Fraction Tested (mm)                                     | 19.0                  | 19.0                  | 19.0                  | 19.0                  | 19.0                  | 19.0                  |
| Oversize (wet basis) %                                   | **                    | **                    | **                    | **                    | **                    | **                    |
| Oversize (dry basis) %                                   | **                    | **                    | **                    | **                    | **                    | **                    |
| Curing Hours                                             | 2                     | 2                     | 2                     | 2                     | 2                     | 2                     |
| Method used to Determine Plasticity                      | Visual/tactile        | Visual/tactile        | Visual/tactile        | Visual/tactile        | Visual/tactile        | Visual/tactile        |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.04                  | 2.03                  | 2.03                  | 2.04                  | 2.03                  | 2.03                  |
| Field Moisture Content %                                 | 13.2                  | 13.0                  | 11.2                  | 12.8                  | 12.5                  | 12.7                  |
| Field Dry Density t/m <sup>3</sup>                       | 1.80                  | 1.80                  | 1.83                  | 1.81                  | 1.80                  | 1.80                  |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.82                  | 1.84                  | 1.85                  | 1.84                  | 1.84                  | 1.84                  |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                    | **                    | **                    | **                    | **                    | **                    |
| Optimum Moisture Content (OMC) %                         | 14.5                  | 13.5                  | 13.0                  | 13.5                  | 13.5                  | 13.5                  |
| Adjusted Optimum Moisture Content (OMC) %                | **                    | **                    | **                    | **                    | **                    | **                    |
| Moisture Variation %                                     | 1.0                   | 0.5                   | 2.0                   | 1.0                   | 1.0                   | 1.0                   |
| Moisture Ratio %                                         | 92.0                  | 97.0                  | 85.5                  | 94.0                  | 93.0                  | 94.0                  |
| Density Ratio %                                          | 98.5                  | 98.0                  | 98.5                  | 98.0                  | 98.0                  | 98.0                  |
| Compaction Method                                        | Standard              | Standard              | Standard              | Standard              | Standard              | Standard              |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-5  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21057  
**Date Sampled:** 02/12/2025  
**Dates Tested:** 03/12/2025 - 14/01/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                       |                       |                       |                       |                       |                       |
|----------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Sample Number                                            | 42071-18              | 42071-19              | 42071-20              | 42071-21              | 42071-22              | 42071-23              |
| Date Tested                                              | 02/12/2025            | 02/12/2025            | 02/12/2025            | 02/12/2025            | 02/12/2025            | 02/12/2025            |
| Time Tested                                              | 13:20                 | 13:26                 | 13:30                 | 13:37                 | 13:42                 | 13:45                 |
| Test Request #/Location                                  | Allotments - Lot - 76 | Allotments - Lot - 78 | Allotments - Lot - 82 | Allotments - Lot - 84 | Allotments - Lot - 86 | Allotments - Lot - 88 |
| Line / Offset                                            | 13m W                 | 16m W                 | 15m W                 | 14m W                 | 12m W                 | 14m W                 |
| Offset                                                   | 6m S                  | 4m S                  | 4m S                  | 4m S                  | 3m S                  | 2m S                  |
| Layer / Reduced Level                                    | Layer 1               | Layer 1               | Layer 1               | Layer 1               | Layer 1               | Layer 1               |
| Thickness of Layer (mm)                                  | 200                   | 200                   | 200                   | 200                   | 200                   | 200                   |
| Soil Description                                         | Sandy Clay            | Sandy Clay            | Sandy Clay            | Sandy Clay            | Sandy Clay            | Sandy Clay            |
| Test Depth (mm)                                          | 175                   | 175                   | 175                   | 175                   | 175                   | 175                   |
| Fraction Tested (mm)                                     | 19.0                  | 19.0                  | 19.0                  | 19.0                  | 19.0                  | 19.0                  |
| Oversize (wet basis) %                                   | **                    | **                    | **                    | **                    | **                    | **                    |
| Oversize (dry basis) %                                   | **                    | **                    | **                    | **                    | **                    | **                    |
| Curing Hours                                             | 2                     | 2                     | 2                     | 2                     | 2                     | 2                     |
| Method used to Determine Plasticity                      | Visual/tactile        | Visual/tactile        | Visual/tactile        | Visual/tactile        | Visual/tactile        | Visual/tactile        |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.03                  | 2.01                  | 2.03                  | 2.02                  | 2.03                  | 2.04                  |
| Field Moisture Content %                                 | 13.7                  | 14.0                  | 13.7                  | 13.9                  | 13.7                  | 15.5                  |
| Field Dry Density t/m <sup>3</sup>                       | 1.78                  | 1.76                  | 1.79                  | 1.77                  | 1.79                  | 1.77                  |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.79                  | 1.79                  | 1.80                  | 1.79                  | 1.79                  | 1.78                  |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                    | **                    | **                    | **                    | **                    | **                    |
| Optimum Moisture Content (OMC) %                         | 16.0                  | 15.5                  | 15.5                  | 15.5                  | 16.0                  | 17.0                  |
| Adjusted Optimum Moisture Content (OMC) %                | **                    | **                    | **                    | **                    | **                    | **                    |
| Moisture Variation %                                     | 2.0                   | 1.5                   | 1.5                   | 2.0                   | 2.0                   | 1.5                   |
| Moisture Ratio %                                         | 87.0                  | 89.5                  | 89.0                  | 88.0                  | 86.5                  | 92.5                  |
| Density Ratio %                                          | 99.5                  | 98.0                  | 99.5                  | 99.0                  | 99.5                  | 99.0                  |
| Compaction Method                                        | Standard              | Standard              | Standard              | Standard              | Standard              | Standard              |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-6  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
 25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21134  
**Date Sampled:** 03/12/2025  
**Dates Tested:** 05/12/2025 - 23/01/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
 Laboratory Manager - Adelaide  
 Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                     |                     |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|
| Sample Number                                            | 42071-24            | 42071-25            | 42071-26            | 42071-27            |
| Date Tested                                              | 03/12/2025          | 03/12/2025          | 03/12/2025          | 03/12/2025          |
| Time Tested                                              | 08:46               | 08:53               | 08:59               | 09:07               |
| Test Request #/Location                                  | Allotments - Lot 59 | Allotments - Lot 56 | Allotments - Lot 53 | Allotments - Lot 50 |
| Line / Offset                                            | 16m W               | 14m W               | 17m W               | 14m W               |
| Offset                                                   | 4m S                | 3m S                | 4m S                | 4m S                |
| Layer / Reduced Level                                    | Subgrade            | Subgrade            | Subgrade            | Subgrade            |
| Thickness of Layer (mm)                                  | 200                 | 200                 | 200                 | 200                 |
| Soil Description                                         | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          |
| Test Depth (mm)                                          | 175                 | 175                 | 175                 | 175                 |
| Fraction Tested (mm)                                     | 19.0                | 19.0                | 19.0                | 19.0                |
| Oversize (wet basis) %                                   | **                  | **                  | **                  | **                  |
| Oversize (dry basis) %                                   | **                  | **                  | **                  | **                  |
| Curing Hours                                             | 2                   | 2                   | 2                   | 2                   |
| Method used to Determine Plasticity                      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.05                | 2.04                | 2.02                | 2.02                |
| Field Moisture Content %                                 | 12.1                | 11.1                | 11.0                | 10.4                |
| Field Dry Density t/m <sup>3</sup>                       | 1.83                | 1.83                | 1.81                | 1.83                |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.86                | 1.85                | 1.84                | 1.84                |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                  | **                  | **                  | **                  |
| Optimum Moisture Content (OMC) %                         | 12.5                | 13.0                | 12.5                | 12.5                |
| Adjusted Optimum Moisture Content (OMC) %                | **                  | **                  | **                  | **                  |
| Moisture Variation %                                     | 0.5                 | 1.5                 | 1.5                 | 2.0                 |
| Moisture Ratio %                                         | 95.5                | 87.5                | 88.5                | 84.0                |
| Density Ratio %                                          | 98.5                | 99.0                | 98.5                | 99.5                |
| Compaction Method                                        | Standard            | Standard            | Standard            | Standard            |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-7  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21136  
**Date Sampled:** 03/12/2025  
**Dates Tested:** 05/12/2025 - 20/01/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                     |                     |                     |                     |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample Number                                            | 42071-28            | 42071-29            | 42071-30            | 42071-31            | 42071-32            | 42071-33            |
| Date Tested                                              | 03/12/2025          | 03/12/2025          | 03/12/2025          | 03/12/2025          | 03/12/2025          | 03/12/2025          |
| Time Tested                                              | 11:06               | 11:11               | 11:17               | 11:23               | 11:29               | 11:34               |
| Test Request #/Location                                  | Allotments - Lot 60 | Allotments - Lot 58 | Allotments - Lot 56 | Allotments - Lot 54 | Allotments - Lot 52 | Allotments - Lot 50 |
| Line / Offset                                            | 12m W               | 10m W               | 14m W               | 16m W               | 15m W               | 16m W               |
| Offset                                                   | 4m S                | 3m S                | 4m S                | 3m S                | 4m S                | 5m S                |
| Layer / Reduced Level                                    | Layer 1             | Layer 1             | Layer 1             | Layer 1             | Layer 1             | Layer 1             |
| Thickness of Layer (mm)                                  | 200                 | 200                 | 200                 | 200                 | 200                 | 200                 |
| Soil Description                                         | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          |
| Test Depth (mm)                                          | 175                 | 175                 | 175                 | 175                 | 175                 | 175                 |
| Fraction Tested (mm)                                     | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                |
| Oversize (wet basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Oversize (dry basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Curing Hours                                             | 2                   | 2                   | 2                   | 2                   | 2                   | 2                   |
| Method used to Determine Plasticity                      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.07                | 2.09                | 2.02                | 2.04                | 2.01                | 2.03                |
| Field Moisture Content %                                 | 10.4                | 11.2                | 11.2                | 10.6                | 10.6                | 10.7                |
| Field Dry Density t/m <sup>3</sup>                       | 1.88                | 1.88                | 1.81                | 1.85                | 1.82                | 1.83                |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.84                | 1.84                | 1.83                | 1.82                | 1.81                | 1.82                |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                  | **                  | **                  | **                  | **                  | **                  |
| Optimum Moisture Content (OMC) %                         | 12.0                | 12.0                | 12.5                | 12.5                | 12.0                | 11.5                |
| Adjusted Optimum Moisture Content (OMC) %                | **                  | **                  | **                  | **                  | **                  | **                  |
| Moisture Variation %                                     | 2.0                 | 0.5                 | 1.0                 | 1.5                 | 1.5                 | 1.0                 |
| Moisture Ratio %                                         | 85.0                | 94.0                | 91.0                | 86.0                | 88.0                | 92.0                |
| Density Ratio %                                          | 102.0               | 102.5               | 99.5                | 101.5               | 100.5               | 100.5               |
| Compaction Method                                        | Standard            | Standard            | Standard            | Standard            | Standard            | Standard            |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-8  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
 25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21137  
**Date Sampled:** 04/12/2025  
**Dates Tested:** 05/12/2025 - 28/01/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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*[Signature]*

Approved Signatory: Loky Maynard  
 Laboratory Manager - Adelaide  
 Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                     |                     |                     |                     |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample Number                                            | 42071-34            | 42071-35            | 42071-36            | 42071-37            | 42071-38            | 42071-39            |
| Date Tested                                              | 04/12/2025          | 04/12/2025          | 04/12/2025          | 04/12/2025          | 04/12/2025          | 04/12/2025          |
| Time Tested                                              | 09:32               | 09:38               | 09:44               | 09:50               | 09:58               | 10:07               |
| Test Request #/Location                                  | Allotments - Lot 80 | Allotments - Lot 61 | Allotments - Lot 79 | Allotments - Lot 63 | Allotments - Lot 77 | Allotments - Lot 65 |
| Line / Offset                                            | 10m W               | 16m W               | 12m W               | 4m W                | 15m W               | 13m W               |
| Offset                                                   | 5m S                | 4m S                | 3m S                | 12m S               | 3m S                | 3m S                |
| Layer / Reduced Level                                    | Layer 2             | Layer 2             | Layer 2             | Layer 2             | Layer 2             | Layer 2             |
| Thickness of Layer (mm)                                  | 200                 | 200                 | 200                 | 200                 | 200                 | 200                 |
| Soil Description                                         | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          |
| Test Depth (mm)                                          | 175                 | 175                 | 175                 | 175                 | 175                 | 175                 |
| Fraction Tested (mm)                                     | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                |
| Oversize (wet basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Oversize (dry basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Curing Hours                                             | 2                   | 2                   | 2                   | 2                   | 2                   | 2                   |
| Method used to Determine Plasticity                      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.14                | 2.12                | 2.12                | 2.09                | 2.07                | 2.11                |
| Field Moisture Content %                                 | 11.5                | 11.1                | 11.4                | 11.4                | 11.0                | 11.2                |
| Field Dry Density t/m <sup>3</sup>                       | 1.91                | 1.91                | 1.91                | 1.88                | 1.87                | 1.90                |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.92                | 1.91                | 1.91                | 1.89                | 1.88                | 1.90                |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                  | **                  | **                  | **                  | **                  | **                  |
| Optimum Moisture Content (OMC) %                         | 13.0                | 13.0                | 13.0                | 13.0                | 13.0                | 13.0                |
| Adjusted Optimum Moisture Content (OMC) %                | **                  | **                  | **                  | **                  | **                  | **                  |
| Moisture Variation %                                     | 1.5                 | 2.0                 | 1.5                 | 1.5                 | 2.0                 | 1.5                 |
| Moisture Ratio %                                         | 87.5                | 85.0                | 88.0                | 87.5                | 85.5                | 87.5                |
| Density Ratio %                                          | 100.0               | 100.0               | 100.0               | 99.5                | 99.0                | 100.0               |
| Compaction Method                                        | Standard            | Standard            | Standard            | Standard            | Standard            | Standard            |

## Moisture Variation Note:

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

# Material Test Report

**Report Number:** AGT42071-9  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
 25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21138  
**Date Sampled:** 04/12/2025  
**Dates Tested:** 05/12/2025 - 27/01/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
 Laboratory Manager - Adelaide  
 Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                    |                    |                    |                     |
|----------------------------------------------------------|--------------------|--------------------|--------------------|---------------------|
| Sample Number                                            | 42071-40           | 42071-41           | 42071-42           | 42071-43            |
| Date Tested                                              | 04/12/2025         | 04/12/2025         | 04/12/2025         | 04/12/2025          |
| Time Tested                                              | 10:32              | 10:37              | 10:44              | 10:51               |
| Test Request #/Location                                  | Allotments - Lot 5 | Allotments - Lot 8 | Allotments - Lot 2 | Allotments - Lot 11 |
| Line / Offset                                            | 7m W               | 4m W               | 3m W               | 5m W                |
| Offset                                                   | 12m S              | 11m S              | 14m S              | 10m S               |
| Layer / Reduced Level                                    | Subgrade           | Subgrade           | Subgrade           | Subgrade            |
| Thickness of Layer (mm)                                  | 200                | 200                | 200                | 200                 |
| Soil Description                                         | Sandy Clay         | Sandy Clay         | Sandy Clay         | Sandy Clay          |
| Test Depth (mm)                                          | 175                | 175                | 175                | 175                 |
| Fraction Tested (mm)                                     | 19.0               | 19.0               | 19.0               | 19.0                |
| Oversize (wet basis) %                                   | **                 | **                 | **                 | **                  |
| Oversize (dry basis) %                                   | **                 | **                 | **                 | **                  |
| Curing Hours                                             | 2                  | 2                  | 2                  | 2                   |
| Method used to Determine Plasticity                      | Visual/tactile     | Visual/tactile     | Visual/tactile     | Visual/tactile      |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.05               | 2.04               | 2.05               | 2.02                |
| Field Moisture Content %                                 | 9.6                | 9.0                | 9.6                | 7.9                 |
| Field Dry Density t/m <sup>3</sup>                       | 1.87               | 1.87               | 1.87               | 1.87                |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.91               | 1.90               | 1.89               | 1.89                |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                 | **                 | **                 | **                  |
| Optimum Moisture Content (OMC) %                         | 9.5                | 9.5                | 9.0                | 8.5                 |
| Adjusted Optimum Moisture Content (OMC) %                | **                 | **                 | **                 | **                  |
| Moisture Variation %                                     | 0.0                | 0.5                | -0.5               | 0.5                 |
| Moisture Ratio %                                         | 99.5               | 93.5               | 108.0              | 92.5                |
| Density Ratio %                                          | 98.5               | 98.5               | 99.0               | 99.0                |
| Compaction Method                                        | Standard           | Standard           | Standard           | Standard            |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-10  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21139  
**Date Sampled:** 04/12/2025  
**Dates Tested:** 05/12/2025 - 19/01/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                    |                    |                     |                    |                    |                    |
|----------------------------------------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|
| Sample Number                                            | 42071-44           | 42071-45           | 42071-46            | 42071-47           | 42071-48           | 42071-49           |
| Date Tested                                              | 04/12/2025         | 04/12/2025         | 04/12/2025          | 04/12/2025         | 04/12/2025         | 04/12/2025         |
| Time Tested                                              | 13:00              | 13:07              | 13:11               | 13:20              | 13:24              | 13:32              |
| Test Request #/Location                                  | Allotments - Lot 6 | Allotments - Lot 8 | Allotments - Lot 10 | Allotments - Lot 1 | Allotments - Lot 3 | Allotments - Lot 5 |
| Line / Offset                                            | 6m W               | 3m W               | 4m W                | 2m W               | 5m W               | 3m W               |
| Offset                                                   | 10m S              | 16m S              | 14m S               | 13m S              | 9m S               | 11m S              |
| Layer / Reduced Level                                    | Layer 1            | Layer 1            | Layer 1             | Layer 1            | Layer 1            | Layer 1            |
| Thickness of Layer (mm)                                  | 200                | 200                | 200                 | 200                | 200                | 200                |
| Soil Description                                         | Sandy Clay         | Sandy Clay         | Sandy Clay          | Sandy Clay         | Sandy Clay         | Sandy Clay         |
| Test Depth (mm)                                          | 175                | 175                | 175                 | 175                | 175                | 175                |
| Fraction Tested (mm)                                     | 19.0               | 19.0               | 19.0                | 19.0               | 19.0               | 19.0               |
| Oversize (wet basis) %                                   | **                 | **                 | **                  | **                 | **                 | **                 |
| Oversize (dry basis) %                                   | **                 | **                 | **                  | **                 | **                 | **                 |
| Curing Hours                                             | 2                  | 2                  | 2                   | 2                  | 2                  | 2                  |
| Method used to Determine Plasticity                      | Visual/tactile     | Visual/tactile     | Visual/tactile      | Visual/tactile     | Visual/tactile     | Visual/tactile     |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 1.99               | 1.97               | 2.04                | 2.04               | 2.06               | 2.04               |
| Field Moisture Content %                                 | 8.0                | 8.2                | 9.2                 | 10.3               | 9.7                | 9.0                |
| Field Dry Density t/m <sup>3</sup>                       | 1.84               | 1.82               | 1.87                | 1.85               | 1.87               | 1.87               |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.85               | 1.86               | 1.91                | 1.86               | 1.86               | 1.88               |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                 | **                 | **                  | **                 | **                 | **                 |
| Optimum Moisture Content (OMC) %                         | 9.5                | 9.5                | 10.5                | 10.0               | 10.5               | 10.5               |
| Adjusted Optimum Moisture Content (OMC) %                | **                 | **                 | **                  | **                 | **                 | **                 |
| Moisture Variation %                                     | 1.0                | 1.5                | 1.0                 | 0.0                | 1.0                | 1.5                |
| Moisture Ratio %                                         | 86.5               | 85.5               | 89.5                | 101.0              | 92.5               | 86.0               |
| Density Ratio %                                          | 99.5               | 98.0               | 98.0                | 99.5               | 101.0              | 99.5               |
| Compaction Method                                        | Standard           | Standard           | Standard            | Standard           | Standard           | Standard           |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-11  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21208  
**Date Sampled:** 08/12/2025  
**Dates Tested:** 09/12/2025 - 21/01/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                        |                        |                        |                        |                        |                         |
|----------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|
| Sample Number                                            | 42071-50               | 42071-51               | 42071-52               | 42071-53               | 42071-54               | 42071-55                |
| Date Tested                                              | 08/12/2025             | 08/12/2025             | 08/12/2025             | 08/12/2025             | 08/12/2025             | 08/12/2025              |
| Time Tested                                              | 11:00                  | 11:08                  | 11:15                  | 11:22                  | 11:48                  | 11:52                   |
| Test Request #/Location                                  | Allotment Fill - Lot 4 | Allotment Fill - Lot 2 | Allotment Fill - Lot 9 | Allotment Fill - Lot 7 | Allotment Fill - Lot 9 | Allotment Fill - Lot 11 |
| Line / Offset                                            | 4m W                   | 3m W                   | 4m W                   | 4m W                   | 2m W                   | 5m W                    |
| Offset                                                   | 16m S                  | 17m S                  | 10m S                  | 14m S                  | 11m S                  | 13m S                   |
| Layer / Reduced Level                                    | Layer 2                | Layer 2                | Layer 2                | Layer 2                | Layer 3                | Layer 3                 |
| Thickness of Layer (mm)                                  | 200                    | 200                    | 200                    | 200                    | 200                    | 200                     |
| Soil Description                                         | Sandy Clay             | Sandy Clay             | Sandy Clay             | Sandy Clay             | Sandy Clay             | Sandy Clay              |
| Test Depth (mm)                                          | 175                    | 175                    | 175                    | 175                    | 175                    | 175                     |
| Fraction Tested (mm)                                     | 19.0                   | 19.0                   | 19.0                   | 19.0                   | 19.0                   | 19.0                    |
| Oversize (wet basis) %                                   | **                     | **                     | **                     | **                     | **                     | **                      |
| Oversize (dry basis) %                                   | **                     | **                     | **                     | **                     | **                     | **                      |
| Curing Hours                                             | 2                      | 2                      | 2                      | 2                      | 2                      | 2                       |
| Method used to Determine Plasticity                      | Visual/tactile         | Visual/tactile         | Visual/tactile         | Visual/tactile         | Visual/tactile         | Visual/tactile          |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.08                   | 2.09                   | 2.03                   | 2.05                   | 2.06                   | 2.04                    |
| Field Moisture Content %                                 | 12.2                   | 10.6                   | 10.8                   | 10.8                   | 10.0                   | 11.7                    |
| Field Dry Density t/m <sup>3</sup>                       | 1.85                   | 1.89                   | 1.83                   | 1.85                   | 1.87                   | 1.83                    |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.87                   | 1.90                   | 1.86                   | 1.87                   | 1.86                   | 1.83                    |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                     | **                     | **                     | **                     | **                     | **                      |
| Optimum Moisture Content (OMC) %                         | 12.0                   | 12.5                   | 12.0                   | 12.5                   | 11.5                   | 12.0                    |
| Adjusted Optimum Moisture Content (OMC) %                | **                     | **                     | **                     | **                     | **                     | **                      |
| Moisture Variation %                                     | 0.0                    | 1.5                    | 1.5                    | 2.0                    | 1.5                    | 0.5                     |
| Moisture Ratio %                                         | 101.0                  | 86.0                   | 89.0                   | 85.0                   | 86.0                   | 96.0                    |
| Density Ratio %                                          | 99.0                   | 99.5                   | 98.0                   | 99.0                   | 101.0                  | 99.5                    |
| Compaction Method                                        | Standard               | Standard               | Standard               | Standard               | Standard               | Standard                |

## Moisture Variation Note:

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

# Material Test Report

**Report Number:** AGT42071-12  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
 25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21209  
**Date Sampled:** 09/12/2025  
**Dates Tested:** 09/12/2025 - 02/02/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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*Loky Maynard*

Approved Signatory: Loky Maynard  
 Laboratory Manager - Adelaide  
 Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                |                |                |                |                |                |
|----------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Sample Number                                            | 42071-56       | 42071-57       | 42071-58       | 42071-59       | 42071-60       | 42071-61       |
| Date Tested                                              | 09/12/2025     | 09/12/2025     | 09/12/2025     | 09/12/2025     | 09/12/2025     | 09/12/2025     |
| Time Tested                                              | 13:00          | 13:40          | 13:56          | 14:30          | 14:40          | 14:50          |
| Test Request #/Location                                  | Septic B-Fill  | Septic B-Fill  | Septic B-Fill  | Tree B-fill    | Tree B-fill    | Tree B-fill    |
| Line / Offset                                            | 2m S           | 2m S           | 2m S           | 2m S           | 2m S           | 2m S           |
| Offset                                                   | 2m W           | 2m W           | 2m W           | 3m S           | 3m W           | 3m W           |
| Layer / Reduced Level                                    | Layer 1        | Layer 2        | Layer 3        | Layer 1        | Layer 2        | Layer 3        |
| Thickness of Layer (mm)                                  | 200            | 200            | 200            | 200            | 200            | 200            |
| Soil Description                                         | Sandy Clay     | Sandy Clay     | Sandy Clay     | Sandy Clay     | Sandy Clay     | Sandy Clay     |
| Test Depth (mm)                                          | 175            | 175            | 175            | 175            | 175            | 175            |
| Fraction Tested (mm)                                     | 19.0           | 19.0           | 19.0           | 19.0           | 19.0           | 19.0           |
| Oversize (wet basis) %                                   | **             | **             | **             | **             | **             | **             |
| Oversize (dry basis) %                                   | **             | **             | **             | **             | **             | **             |
| Curing Hours                                             | 2              | 2              | 2              | 2              | 2              | 2              |
| Method used to Determine Plasticity                      | Visual/tactile | Visual/tactile | Visual/tactile | Visual/tactile | Visual/tactile | Visual/tactile |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.05           | 2.05           | 2.03           | 2.04           | 2.05           | 2.04           |
| Field Moisture Content %                                 | 7.7            | 8.1            | 8.5            | 8.5            | 8.3            | 8.8            |
| Field Dry Density t/m <sup>3</sup>                       | 1.91           | 1.90           | 1.87           | 1.88           | 1.89           | 1.88           |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.90           | 1.90           | 1.90           | 1.89           | 1.87           | 1.86           |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **             | **             | **             | **             | **             | **             |
| Optimum Moisture Content (OMC) %                         | 12.0           | 11.5           | 11.5           | 11.0           | 12.0           | 11.5           |
| Adjusted Optimum Moisture Content (OMC) %                | **             | **             | **             | **             | **             | **             |
| Moisture Variation %                                     | 4.5            | 3.5            | 3.0            | 2.5            | 3.5            | 3.0            |
| Moisture Ratio %                                         | 63.5           | 70.0           | 75.5           | 76.5           | 69.5           | 76.0           |
| Density Ratio %                                          | 100.5          | 100.0          | 98.5           | 99.5           | 101.0          | 101.0          |
| Compaction Method                                        | Standard       | Standard       | Standard       | Standard       | Standard       | Standard       |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-13  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21303  
**Date Sampled:** 12/12/2025  
**Dates Tested:** 12/12/2025 - 10/02/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                    |                    |                     |                    |                    |                    |
|----------------------------------------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|
| Sample Number                                            | 42071-62           | 42071-63           | 42071-64            | 42071-65           | 42071-66           | 42071-67           |
| Date Tested                                              | 12/12/2025         | 12/12/2025         | 12/12/2025          | 12/12/2025         | 12/12/2025         | 12/12/2025         |
| Time Tested                                              | 08:47              | 08:54              | 09:03               | 09:09              | 11:42              | 11:51              |
| Test Request #/Location                                  | Allotments - Lot 6 | Allotments - Lot 4 | Allotments - Lot 10 | Allotments - Lot 1 | Allotments - Lot 7 | Allotments - Lot 9 |
| Line / Offset                                            | 6m W               | 4m W               | 5m W                | 5m W               | 5m W               | 4m W               |
| Offset                                                   | 12m S              | 14m S              | 11m S               | 10m S              | 12m S              | 14m S              |
| Layer / Reduced Level                                    | Layer 4            | Layer 4            | Layer 4             | Layer 4            | Layer 5            | Layer 5            |
| Thickness of Layer (mm)                                  | 200                | 200                | 200                 | 200                | 200                | 200                |
| Soil Description                                         | Sandy Clay         | Sandy Clay         | Sandy Clay          | Sandy Clay         | Sandy Clay         | Sandy Clay         |
| Test Depth (mm)                                          | 175                | 175                | 175                 | 175                | 175                | 175                |
| Fraction Tested (mm)                                     | 19.0               | 19.0               | 19.0                | 19.0               | 19.0               | 19.0               |
| Oversize (wet basis) %                                   | **                 | **                 | **                  | **                 | **                 | **                 |
| Oversize (dry basis) %                                   | **                 | **                 | **                  | **                 | **                 | **                 |
| Curing Hours                                             | 2                  | 2                  | 2                   | 2                  | 2                  | 2                  |
| Method used to Determine Plasticity                      | Visual/tactile     | Visual/tactile     | Visual/tactile      | Visual/tactile     | Visual/tactile     | Visual/tactile     |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.07               | 2.08               | 2.10                | 2.08               | 2.07               | 2.07               |
| Field Moisture Content %                                 | 13.4               | 13.2               | 13.3                | 13.7               | 13.2               | 13.2               |
| Field Dry Density t/m <sup>3</sup>                       | 1.82               | 1.83               | 1.85                | 1.83               | 1.83               | 1.83               |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.84               | 1.82               | 1.81                | 1.83               | 1.81               | 1.79               |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                 | **                 | **                  | **                 | **                 | **                 |
| Optimum Moisture Content (OMC) %                         | 15.0               | 15.0               | 15.0                | 14.5               | 14.5               | 15.0               |
| Adjusted Optimum Moisture Content (OMC) %                | **                 | **                 | **                  | **                 | **                 | **                 |
| Moisture Variation %                                     | 1.5                | 2.0                | 1.5                 | 0.5                | 1.5                | 1.5                |
| Moisture Ratio %                                         | 90.0               | 87.0               | 89.0                | 95.5               | 91.0               | 89.0               |
| Density Ratio %                                          | 99.5               | 100.5              | 102.0               | 100.0              | 101.5              | 102.0              |
| Compaction Method                                        | Standard           | Standard           | Standard            | Standard           | Standard           | Standard           |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-14  
**Issue Number:** 1  
**Date Issued:** 10/04/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21404  
**Date Sampled:** 17/12/2025  
**Dates Tested:** 18/12/2025 - 12/02/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                     |                     |                     |                     |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample Number                                            | 42071-68            | 42071-69            | 42071-70            | 42071-71            | 42071-72            | 42071-73            |
| Date Tested                                              | 17/12/2025          | 17/12/2025          | 17/12/2025          | 17/12/2025          | 17/12/2025          | 17/12/2025          |
| Time Tested                                              | 08:46               | 09:28               | 10:43               | 11:55               | 13:00               | 15:01               |
| Test Request #/Location                                  | Allotments - Lot 14 | Allotments - Lot 12 | Allotments - Lot 13 | Allotments - Lot 12 | Allotments - Lot 14 | Allotments - Lot 13 |
| Line / Offset                                            | 4m W                | 3m W                | 6m W                | 5m W                | 6m W                | 2m W                |
| Offset                                                   | 12m S               | 14m S               | 10m S               | 13m S               | 9m S                | 11m S               |
| Layer / Reduced Level                                    | Layer 1             | Layer 2             | Layer 3             | Layer 4             | Layer 5             | Layer 6             |
| Thickness of Layer (mm)                                  | 200                 | 200                 | 200                 | 200                 | 200                 | 200                 |
| Soil Description                                         | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          |
| Test Depth (mm)                                          | 175                 | 175                 | 175                 | 175                 | 175                 | 175                 |
| Fraction Tested (mm)                                     | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                |
| Oversize (wet basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Oversize (dry basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Curing Hours                                             | 2                   | 2                   | 2                   | 2                   | 2                   | 2                   |
| Method used to Determine Plasticity                      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.06                | 2.07                | 2.05                | 2.06                | 2.03                | 2.04                |
| Field Moisture Content %                                 | 14.0                | 13.4                | 13.2                | 12.6                | 12.8                | 13.5                |
| Field Dry Density t/m <sup>3</sup>                       | 1.81                | 1.82                | 1.81                | 1.83                | 1.80                | 1.80                |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.82                | 1.80                | 1.80                | 1.81                | 1.78                | 1.77                |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                  | **                  | **                  | **                  | **                  | **                  |
| Optimum Moisture Content (OMC) %                         | 16.0                | 15.5                | 15.5                | 14.0                | 15.0                | 15.0                |
| Adjusted Optimum Moisture Content (OMC) %                | **                  | **                  | **                  | **                  | **                  | **                  |
| Moisture Variation %                                     | 2.0                 | 2.0                 | 2.0                 | 1.5                 | 2.0                 | 1.5                 |
| Moisture Ratio %                                         | 89.0                | 87.0                | 85.5                | 89.0                | 86.5                | 90.5                |
| Density Ratio %                                          | 99.0                | 101.5               | 100.5               | 101.0               | 101.0               | 101.5               |
| Compaction Method                                        | Standard            | Standard            | Standard            | Standard            | Standard            | Standard            |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-15  
**Issue Number:** 1  
**Date Issued:** 01/07/2026  
**Client:** NEO Infrastructure  
 25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21499  
**Date Sampled:** 07/01/2026  
**Dates Tested:** 12/01/2026 - 05/02/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
 Laboratory Manager - Adelaide  
 Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                     |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|---------------------|
| Sample Number                                            | 42071-74            | 42071-75            | 42071-76            |
| Date Tested                                              | 07/01/2026          | 07/01/2026          | 07/01/2026          |
| Time Tested                                              | 08:30               | 08:38               | 08:46               |
| Test Request #/Location                                  | Allotments - Lot 93 | Allotments - Lot 93 | Allotments - Lot 93 |
| Line / Offset                                            | 4m W                | 20m W               | 22m W               |
| Offset                                                   | 16m S               | 4m S                | 3m S                |
| Layer / Reduced Level                                    | Layer 1             | Layer 1             | Layer 1             |
| Thickness of Layer (mm)                                  | 200                 | 200                 | 200                 |
| Soil Description                                         | Sandy Clay          | Sandy Clay          | Sandy Clay          |
| Test Depth (mm)                                          | 175                 | 175                 | 175                 |
| Fraction Tested (mm)                                     | 19.0                | 19.0                | 19.0                |
| Oversize (wet basis) %                                   | **                  | **                  | **                  |
| Oversize (dry basis) %                                   | **                  | **                  | **                  |
| Curing Hours                                             | 2.5                 | 2.8                 | 3                   |
| Method used to Determine Plasticity                      | Visual/tactile      | Visual/tactile      | Visual/tactile      |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.03                | 2.04                | 2.03                |
| Field Moisture Content %                                 | 12.4                | 12.2                | 12.4                |
| Field Dry Density t/m <sup>3</sup>                       | 1.80                | 1.82                | 1.81                |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.84                | 1.84                | 1.83                |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                  | **                  | **                  |
| Optimum Moisture Content (OMC) %                         | 14.0                | 14.0                | 14.0                |
| Adjusted Optimum Moisture Content (OMC) %                | **                  | **                  | **                  |
| Moisture Variation %                                     | 1.5                 | 1.5                 | 1.5                 |
| Moisture Ratio %                                         | 89.5                | 88.0                | 88.5                |
| Density Ratio %                                          | 98.5                | 98.5                | 98.5                |
| Compaction Method                                        | Standard            | Standard            | Standard            |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-16  
**Issue Number:** 1  
**Date Issued:** 01/07/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21524  
**Date Sampled:** 13/01/2026  
**Dates Tested:** 14/01/2026 - 10/02/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                     |                     |                     |                     |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample Number                                            | 42071-77            | 42071-78            | 42071-79            | 42071-80            | 42071-81            | 42071-82            |
| Date Tested                                              | 13/01/2026          | 13/01/2026          | 13/01/2026          | 13/01/2026          | 13/01/2026          | 13/01/2026          |
| Time Tested                                              | 08:56               | 09:04               | 09:12               | 10:38               | 10:46               | 10:51               |
| Test Request #/Location                                  | Allotments - Lot 87 | Allotments - Lot 85 | Allotments - Lot 91 | Allotments - Lot 91 | Allotments - Lot 86 | Allotments - Lot 84 |
| Line / Offset                                            | 6m W                | 4m W                | 5m W                | 6m W                | 4m W                | 5m W                |
| Offset                                                   | 14m S               | 17m S               | 16m S               | 17m S               | 14m S               | 17m S               |
| Layer / Reduced Level                                    | Layer 2             | Layer 2             | Layer 2             | Layer 3             | Layer 3             | Layer 3             |
| Thickness of Layer (mm)                                  | 200                 | 200                 | 200                 | 200                 | 200                 | 200                 |
| Soil Description                                         | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          |
| Test Depth (mm)                                          | 175                 | 175                 | 175                 | 175                 | 175                 | 175                 |
| Fraction Tested (mm)                                     | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                |
| Oversize (wet basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Oversize (dry basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Curing Hours                                             | 2                   | 2                   | 2                   | 2                   | 2                   | 2                   |
| Method used to Determine Plasticity                      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.07                | 2.07                | 2.07                | 2.06                | 2.08                | 2.06                |
| Field Moisture Content %                                 | 8.5                 | 8.9                 | 9.4                 | 8.9                 | 9.5                 | 9.4                 |
| Field Dry Density t/m <sup>3</sup>                       | 1.90                | 1.91                | 1.89                | 1.90                | 1.90                | 1.89                |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.91                | 1.90                | 1.89                | 1.89                | 1.88                | 1.87                |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                  | **                  | **                  | **                  | **                  | **                  |
| Optimum Moisture Content (OMC) %                         | 10.0                | 10.0                | 10.5                | 10.0                | 10.0                | 10.0                |
| Adjusted Optimum Moisture Content (OMC) %                | **                  | **                  | **                  | **                  | **                  | **                  |
| Moisture Variation %                                     | 1.5                 | 1.5                 | 1.0                 | 1.0                 | 0.5                 | 0.5                 |
| Moisture Ratio %                                         | 85.5                | 87.5                | 91.5                | 89.5                | 96.5                | 95.5                |
| Density Ratio %                                          | 100.0               | 100.5               | 100.5               | 100.5               | 101.5               | 101.0               |
| Compaction Method                                        | Standard            | Standard            | Standard            | Standard            | Standard            | Standard            |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-17  
**Issue Number:** 1  
**Date Issued:** 01/07/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21525  
**Date Sampled:** 13/01/2026  
**Dates Tested:** 14/01/2026 - 09/02/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                     |                     |                     |                     |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample Number                                            | 42071-83            | 42071-84            | 42071-85            | 42071-86            | 42071-87            | 42071-88            |
| Date Tested                                              | 13/01/2026          | 13/01/2026          | 13/01/2026          | 13/01/2026          | 13/01/2026          | 13/01/2026          |
| Time Tested                                              | 12:30               | 12:37               | 12:44               | 13:21               | 13:29               | 13:37               |
| Test Request #/Location                                  | Allotments - Lot 82 | Allotments - Lot 81 | Allotments - Lot 83 | Allotments - Lot 79 | Allotments - Lot 63 | Allotments - Lot 76 |
| Line / Offset                                            | 6m W                | 4m W                | 5m W                | 7m W                | 6m W                | 5m W                |
| Offset                                                   | 10m S               | 16m S               | 17m S               | 10m S               | 11m S               | 12m S               |
| Layer / Reduced Level                                    | Layer 3             | Layer 4             | Layer 4             | Layer 3             | Layer 3             | Layer 3             |
| Thickness of Layer (mm)                                  | 200                 | 200                 | 200                 | 200                 | 200                 | 200                 |
| Soil Description                                         | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          |
| Test Depth (mm)                                          | 175                 | 175                 | 175                 | 175                 | 175                 | 175                 |
| Fraction Tested (mm)                                     | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                |
| Oversize (wet basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Oversize (dry basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Curing Hours                                             | 2                   | 2                   | 2                   | 2                   | 2                   | 2                   |
| Method used to Determine Plasticity                      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.18                | 2.16                | 2.15                | 2.15                | 2.17                | 2.17                |
| Field Moisture Content %                                 | 9.4                 | 9.6                 | 9.5                 | 9.3                 | 11.3                | 11.5                |
| Field Dry Density t/m <sup>3</sup>                       | 1.99                | 1.97                | 1.97                | 1.97                | 1.95                | 1.94                |
| Maximum Dry Density t/m <sup>3</sup>                     | 2.02                | 2.00                | 1.99                | 1.99                | 1.98                | 1.96                |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                  | **                  | **                  | **                  | **                  | **                  |
| Optimum Moisture Content (OMC) %                         | 10.5                | 10.5                | 11.0                | 10.0                | 10.5                | 10.5                |
| Adjusted Optimum Moisture Content (OMC) %                | **                  | **                  | **                  | **                  | **                  | **                  |
| Moisture Variation %                                     | 1.0                 | 1.0                 | 1.5                 | 1.0                 | -1.0                | -1.0                |
| Moisture Ratio %                                         | 90.0                | 92.5                | 87.5                | 91.5                | 107.5               | 108.5               |
| Density Ratio %                                          | 98.5                | 98.5                | 99.0                | 98.5                | 98.5                | 99.0                |
| Compaction Method                                        | Standard            | Standard            | Standard            | Standard            | Standard            | Standard            |

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** AGT42071-18  
**Issue Number:** 1  
**Date Issued:** 01/07/2026  
**Client:** NEO Infrastructure  
 25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 21546  
**Date Sampled:** 14/01/2026  
**Dates Tested:** 15/01/2026 - 05/02/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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*[Signature]*

Approved Signatory: Loky Maynard  
 Laboratory Manager - Adelaide  
 Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                     |                     |                     |                     |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample Number                                            | 42071-89            | 42071-90            | 42071-91            | 42071-92            | 42071-93            | 42071-94            |
| Date Tested                                              | 14/01/2026          | 14/01/2026          | 14/01/2026          | 14/01/2026          | 14/01/2026          | 14/01/2026          |
| Time Tested                                              | 09:47               | 10:00               | 10:08               | 14:00               | 14:09               | 14:16               |
| Test Request #/Location                                  | Allotments - Lot 68 | Allotments - Lot 70 | Allotments - Lot 73 | Allotments - Lot 72 | Allotments - Lot 69 | Allotments - Lot 67 |
| Line / Offset                                            | 5m W                | 4m W                | 6m W                | 6m W                | 4m W                | 5m W                |
| Offset                                                   | 16m S               | 21m S               | 18m S               | 12m S               | 16m S               | 15m S               |
| Layer / Reduced Level                                    | Subgrade            | Subgrade            | Subgrade            | Layer 1             | Layer 1             | Layer 1             |
| Thickness of Layer (mm)                                  | 200                 | 200                 | 200                 | 200                 | 200                 | 200                 |
| Soil Description                                         | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          |
| Test Depth (mm)                                          | 175                 | 175                 | 175                 | 175                 | 175                 | 175                 |
| Fraction Tested (mm)                                     | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                |
| Oversize (wet basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Oversize (dry basis) %                                   | **                  | **                  | **                  | **                  | **                  | **                  |
| Curing Hours                                             | 2                   | 2                   | 2                   | 2                   | 2                   | 2                   |
| Method used to Determine Plasticity                      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      |
| Field Wet Density (FWD) t/m <sup>3</sup>                 | 2.13                | 2.14                | 2.15                | 2.11                | 2.13                | 2.12                |
| Field Moisture Content %                                 | 10.2                | 10.3                | 9.1                 | 9.8                 | 11.5                | 9.2                 |
| Field Dry Density t/m <sup>3</sup>                       | 1.94                | 1.94                | 1.97                | 1.92                | 1.91                | 1.94                |
| Maximum Dry Density t/m <sup>3</sup>                     | 1.94                | 1.93                | 1.92                | 1.92                | 1.91                | 1.89                |
| Adjusted Maximum Dry Density t/m <sup>3</sup>            | **                  | **                  | **                  | **                  | **                  | **                  |
| Optimum Moisture Content (OMC) %                         | 11.0                | 11.0                | 10.5                | 10.5                | 11.0                | 10.5                |
| Adjusted Optimum Moisture Content (OMC) %                | **                  | **                  | **                  | **                  | **                  | **                  |
| Moisture Variation %                                     | 1.0                 | 0.5                 | 1.5                 | 1.0                 | -0.5                | 1.5                 |
| Moisture Ratio %                                         | 93.0                | 93.0                | 85.0                | 93.0                | 106.0               | 87.0                |
| Density Ratio %                                          | 100.0               | 100.5               | 102.5               | 99.5                | 100.0               | 102.5               |
| Compaction Method                                        | Standard            | Standard            | Standard            | Standard            | Standard            | Standard            |

## Moisture Variation Note:

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

# Material Test Report

**Report Number:** AGT42071-90  
**Issue Number:** 1  
**Date Issued:** 08/09/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 26149  
**Date Sampled:** 02/09/2026  
**Dates Tested:** 03/09/2026 - 05/09/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                     |                     |                     |                     |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample #                                                 | 42071-436           | 42071-437           | 42071-438           | 42071-439           | 42071-440           | 42071-441           |
| Date Tested                                              | 02/09/2026          | 02/09/2026          | 02/09/2026          | 02/09/2026          | 02/09/2026          | 02/09/2026          |
| Time Tested                                              | 12:40               | 12:45               | 12:50               | 12:55               | 13:00               | 13:05               |
| Test Request #/Location                                  | Allotments - Lot 48 | Allotments - Lot 46 | Allotments - Lot 43 | Allotments - Lot 41 | Allotments - Lot 38 | Allotments - Lot 47 |
| Line / Offset                                            | 6m E                | 5m E                | 4m E                | 6m E                | 3m E                | 6m E                |
| Offset                                                   | 12m S               | 10m S               | 14m S               | 9m S                | 11m S               | 8m S                |
| Layer / Reduced Level                                    | Subgrade            | Subgrade            | Subgrade            | Subgrade            | Subgrade            | Subgrade            |
| Thickness of Layer (mm)                                  | 200                 | 200                 | 200                 | 200                 | 200                 | 200                 |
| Soil Description                                         | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          | Sandy Clay          |
| Test Depth (mm)                                          | 175                 | 175                 | 175                 | 175                 | 175                 | 175                 |
| Fraction Tested (mm)                                     | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                | 19.0                |
| Oversize (wet basis) (%)                                 | **                  | **                  | **                  | **                  | **                  | **                  |
| Oversize (dry basis) (%)                                 | **                  | **                  | **                  | **                  | **                  | **                  |
| Curing Hours                                             | 4.1                 | 4.5                 | 4.9                 | 5.3                 | 5.8                 | 6.2                 |
| Method used to Determine Plasticity                      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      | Visual/tactile      |
| Field Wet Density (FWD) (t/m <sup>3</sup> )              | 2.13                | 2.10                | 2.12                | 2.11                | 2.12                | 2.11                |
| Field Moisture Content (%)                               | 12.7                | 13.9                | 13.6                | 15.4                | 14.4                | 13.5                |
| Field Dry Density (t/m <sup>3</sup> )                    | 1.89                | 1.85                | 1.86                | 1.83                | 1.85                | 1.86                |
| Maximum Dry Density (t/m <sup>3</sup> )                  | 1.92                | 1.88                | 1.90                | 1.85                | 1.89                | 1.86                |
| Adjusted Maximum Dry Density (t/m <sup>3</sup> )         | **                  | **                  | **                  | **                  | **                  | **                  |
| Optimum Moisture Content (OMC) (%)                       | 12.5                | 14.5                | 13.5                | 15.0                | 14.5                | 14.5                |
| Adjusted Optimum Moisture Content (OMC) (%)              | **                  | **                  | **                  | **                  | **                  | **                  |
| Moisture Variation (%)                                   | -0.5                | 0.5                 | 0.0                 | -0.5                | 0.0                 | 1.0                 |
| Moisture Ratio (%)                                       | 102.5               | 96.0                | 100.5               | 102.0               | 98.5                | 94.0                |
| Density Ratio (%)                                        | 98.5                | 98.5                | 98.0                | 98.5                | 98.0                | 100.0               |
| Compaction Method                                        | Standard            | Standard            | Standard            | Standard            | Standard            | Standard            |

## Moisture Variation Note:

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

# Material Test Report

**Report Number:** AGT42071-91  
**Issue Number:** 1  
**Date Issued:** 08/09/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 26150  
**Date Sampled:** 02/09/2026  
**Dates Tested:** 03/09/2026 - 05/09/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                         |                         |                         |                         |                         |                         |
|----------------------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Sample #                                                 | 42071-442               | 42071-443               | 42071-444               | 42071-445               | 42071-446               | 42071-447               |
| Date Tested                                              | 02/09/2026              | 02/09/2026              | 02/09/2026              | 02/09/2026              | 02/09/2026              | 02/09/2026              |
| Time Tested                                              | 13:10                   | 13:15                   | 13:20                   | 13:25                   | 13:30                   | 13:35                   |
| Test Request #/Location                                  | Allotment Fill - Lot 44 | Allotment Fill - Lot 41 | Allotment Fill - Lot 39 | Allotment Fill - Lot 37 | Allotment Fill - Lot 42 | Allotment Fill - Lot 45 |
| Line / Offset                                            | 3m E                    | 5m E                    | 7m E                    | 3m E                    | 3m E                    | 4m E                    |
| Offset                                                   | 11m S                   | 7m S                    | 12m S                   | 10m S                   | 9m S                    | 7m S                    |
| Layer / Reduced Level                                    | Layer 1                 | Layer 1                 | Layer 1                 | Layer 2                 | Layer 2                 | Layer 2                 |
| Thickness of Layer (mm)                                  | 200                     | 200                     | 200                     | 200                     | 200                     | 200                     |
| Soil Description                                         | Sandy Clay              | Sandy Clay              | Sandy Clay              | Sandy Clay              | Sandy Clay              | Sandy Clay              |
| Test Depth (mm)                                          | 175                     | 175                     | 175                     | 175                     | 175                     | 175                     |
| Fraction Tested (mm)                                     | 19.0                    | 19.0                    | 19.0                    | 19.0                    | 19.0                    | 19.0                    |
| Oversize (wet basis) (%)                                 | **                      | **                      | **                      | **                      | **                      | **                      |
| Oversize (dry basis) (%)                                 | **                      | **                      | **                      | **                      | **                      | **                      |
| Curing Hours                                             | 2.2                     | 2.5                     | 2.8                     | 3.3                     | 3.6                     | 3.9                     |
| Method used to Determine Plasticity                      | Visual/tactile          | Visual/tactile          | Visual/tactile          | Visual/tactile          | Visual/tactile          | Visual/tactile          |
| Field Wet Density (FWD) (t/m <sup>3</sup> )              | 2.12                    | 2.14                    | 2.10                    | 2.13                    | 2.14                    | 2.11                    |
| Field Moisture Content (%)                               | 14.7                    | 14.4                    | 16.1                    | 13.6                    | 13.2                    | 13.4                    |
| Field Dry Density (t/m <sup>3</sup> )                    | 1.84                    | 1.87                    | 1.81                    | 1.87                    | 1.89                    | 1.86                    |
| Maximum Dry Density (t/m <sup>3</sup> )                  | 1.88                    | 1.86                    | 1.85                    | 1.89                    | 1.90                    | 1.89                    |
| Adjusted Maximum Dry Density (t/m <sup>3</sup> )         | **                      | **                      | **                      | **                      | **                      | **                      |
| Optimum Moisture Content (OMC) (%)                       | 14.0                    | 15.5                    | 17.0                    | 14.0                    | 14.0                    | 13.5                    |
| Adjusted Optimum Moisture Content (OMC) (%)              | **                      | **                      | **                      | **                      | **                      | **                      |
| Moisture Variation (%)                                   | -0.5                    | 1.0                     | 1.0                     | 0.5                     | 1.0                     | 0.0                     |
| Moisture Ratio (%)                                       | 103.5                   | 94.0                    | 94.5                    | 96.0                    | 94.0                    | 98.5                    |
| Density Ratio (%)                                        | 98.0                    | 100.5                   | 98.0                    | 99.5                    | 99.5                    | 98.5                    |
| Compaction Method                                        | Standard                | Standard                | Standard                | Standard                | Standard                | Standard                |

## Moisture Variation Note:

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

# Material Test Report

**Report Number:** AGT42071-92  
**Issue Number:** 1  
**Date Issued:** 08/09/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 26151  
**Date Sampled:** 02/09/2026  
**Dates Tested:** 03/09/2026 - 04/09/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                         |                         |                         |                         |                         |                         |
|----------------------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Sample #                                                 | 42071-448               | 42071-449               | 42071-450               | 42071-451               | 42071-452               | 42071-453               |
| Date Tested                                              | 02/09/2026              | 02/09/2026              | 02/09/2026              | 02/09/2026              | 02/09/2026              | 02/09/2026              |
| Time Tested                                              | 13:40                   | 13:45                   | 13:50                   | 13:55                   | 14:00                   | 14:05                   |
| Test Request #/Location                                  | Allotment Fill - Lot 49 | Allotment Fill - Lot 50 | Allotment Fill - Lot 52 | Allotment Fill - Lot 50 | Allotment Fill - Lot 52 | Allotment Fill - Lot 48 |
| Line / Offset                                            | 3m E                    | 10m E                   | 14m E                   | 9m E                    | 11m E                   | 3m E                    |
| Offset                                                   | 10m S                   | 3m S                    | 3m S                    | 4m S                    | 2m S                    | 10m S                   |
| Layer / Reduced Level                                    | Layer 2                 | Layer 2                 | Layer 2                 | Layer 3                 | Layer 3                 | Layer 3                 |
| Thickness of Layer (mm)                                  | 200                     | 200                     | 200                     | 200                     | 200                     | 200                     |
| Soil Description                                         | Sandy Clay              | Sandy Clay              | Sandy Clay              | Sandy Clay              | Sandy Clay              | Sandy Clay              |
| Test Depth (mm)                                          | 175                     | 175                     | 175                     | 175                     | 175                     | 175                     |
| Fraction Tested (mm)                                     | 19.0                    | 19.0                    | 19.0                    | 19.0                    | 19.0                    | 19.0                    |
| Oversize (wet basis) (%)                                 | **                      | **                      | **                      | **                      | **                      | **                      |
| Oversize (dry basis) (%)                                 | **                      | **                      | **                      | **                      | **                      | **                      |
| Curing Hours                                             | 4.1                     | 4.4                     | 4.7                     | 5                       | 5.4                     | 5.8                     |
| Method used to Determine Plasticity                      | Visual/tactile          | Visual/tactile          | Visual/tactile          | Visual/tactile          | Visual/tactile          | Visual/tactile          |
| Field Wet Density (FWD) (t/m <sup>3</sup> )              | 2.12                    | 2.12                    | 2.12                    | 2.14                    | 2.13                    | 2.13                    |
| Field Moisture Content (%)                               | 14.6                    | 15.3                    | 14.5                    | 14.4                    | 14.2                    | 14.0                    |
| Field Dry Density (t/m <sup>3</sup> )                    | 1.85                    | 1.84                    | 1.85                    | 1.87                    | 1.86                    | 1.87                    |
| Maximum Dry Density (t/m <sup>3</sup> )                  | 1.88                    | 1.88                    | 1.88                    | 1.90                    | 1.89                    | 1.90                    |
| Adjusted Maximum Dry Density (t/m <sup>3</sup> )         | **                      | **                      | **                      | **                      | **                      | **                      |
| Optimum Moisture Content (OMC) (%)                       | 14.5                    | 15.5                    | 15.0                    | 14.0                    | 13.5                    | 13.5                    |
| Adjusted Optimum Moisture Content (OMC) (%)              | **                      | **                      | **                      | **                      | **                      | **                      |
| Moisture Variation (%)                                   | 0.0                     | 0.0                     | 0.5                     | -0.5                    | -0.5                    | -0.5                    |
| Moisture Ratio (%)                                       | 100.0                   | 99.5                    | 98.0                    | 102.5                   | 103.5                   | 105.5                   |
| Density Ratio (%)                                        | 99.0                    | 98.0                    | 99.0                    | 98.5                    | 98.5                    | 98.0                    |
| Compaction Method                                        | Standard                | Standard                | Standard                | Standard                | Standard                | Standard                |

## Moisture Variation Note:

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

# Material Test Report

**Report Number:** AGT42071-93  
**Issue Number:** 1  
**Date Issued:** 08/09/2026  
**Client:** NEO Infrastructure  
25 Liston Rd, Lonsdale SA  
**Project Number:** AGT42071  
**Project Name:** Emerald Estate Stage 1  
**Project Location:** Angle Vale  
**Work Request:** 26152  
**Date Sampled:** 02/09/2026  
**Dates Tested:** 03/09/2026 - 04/09/2026  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 98% Standard AS1289 5.1.1  
**Site Selection:** Selected by Client  
**Location:** Angle Vale



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Approved Signatory: Loky Maynard  
Laboratory Manager - Adelaide  
Laboratory Number: 20247

| Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1 |                         |                         |                         |                         |                         |                         |
|----------------------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Sample #                                                 | 42071-454               | 42071-455               | 42071-456               | 42071-457               | 42071-458               | 42071-459               |
| Date Tested                                              | 02/09/2026              | 02/09/2026              | 02/09/2026              | 02/09/2026              | 02/09/2026              | 02/09/2026              |
| Time Tested                                              | 14:10                   | 14:15                   | 14:20                   | 14:25                   | 14:30                   | 14:35                   |
| Test Request #/Location                                  | Allotment Fill - Lot 45 | Allotment Fill - Lot 42 | Allotment Fill - Lot 38 | Allotment Fill - Lot 72 | Allotment Fill - Lot 69 | Allotment Fill - Lot 66 |
| Line / Offset                                            | 5m E                    | 3m E                    | 4m E                    | 3m E                    | 4m E                    | 12m E                   |
| Offset                                                   | 11m S                   | 9m S                    | 10m S                   | 7m S                    | 8m S                    | 2m S                    |
| Layer / Reduced Level                                    | Layer 3                 | Layer 3                 | Layer 3                 | Layer 3                 | Layer 3                 | Layer 3                 |
| Thickness of Layer (mm)                                  | 200                     | 200                     | 200                     | 200                     | 200                     | 200                     |
| Soil Description                                         | Sandy Clay              | Sandy Clay              | Sandy Clay              | Sandy Clay              | Sandy Clay              | Sandy Clay              |
| Test Depth (mm)                                          | 175                     | 175                     | 175                     | 175                     | 175                     | 175                     |
| Fraction Tested (mm)                                     | 19.0                    | 19.0                    | 19.0                    | 19.0                    | 19.0                    | 19.0                    |
| Oversize (wet basis) (%)                                 | **                      | **                      | **                      | **                      | **                      | **                      |
| Oversize (dry basis) (%)                                 | **                      | **                      | **                      | **                      | **                      | **                      |
| Curing Hours                                             | 2.2                     | 2.5                     | 2.8                     | 3.1                     | 3.4                     | 3.7                     |
| Method used to Determine Plasticity                      | Visual/tactile          | Visual/tactile          | Visual/tactile          | Visual/tactile          | Visual/tactile          | Visual/tactile          |
| Field Wet Density (FWD) (t/m <sup>3</sup> )              | 2.12                    | 2.12                    | 2.11                    | 2.14                    | 2.13                    | 2.11                    |
| Field Moisture Content (%)                               | 13.6                    | 15.1                    | 13.7                    | 13.2                    | 15.3                    | 12.6                    |
| Field Dry Density (t/m <sup>3</sup> )                    | 1.86                    | 1.84                    | 1.86                    | 1.89                    | 1.85                    | 1.88                    |
| Maximum Dry Density (t/m <sup>3</sup> )                  | 1.88                    | 1.87                    | 1.89                    | 1.91                    | 1.87                    | 1.90                    |
| Adjusted Maximum Dry Density (t/m <sup>3</sup> )         | **                      | **                      | **                      | **                      | **                      | **                      |
| Optimum Moisture Content (OMC) (%)                       | 14.0                    | 15.0                    | 13.5                    | 12.5                    | 15.0                    | 12.5                    |
| Adjusted Optimum Moisture Content (OMC) (%)              | **                      | **                      | **                      | **                      | **                      | **                      |
| Moisture Variation (%)                                   | 0.5                     | 0.0                     | 0.0                     | -0.5                    | -0.5                    | 0.0                     |
| Moisture Ratio (%)                                       | 95.5                    | 101.0                   | 100.5                   | 103.5                   | 102.0                   | 99.5                    |
| Density Ratio (%)                                        | 99.0                    | 98.5                    | 98.0                    | 99.0                    | 98.5                    | 99.0                    |
| Compaction Method                                        | Standard                | Standard                | Standard                | Standard                | Standard                | Standard                |

## Moisture Variation Note:

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