

Material Test Report



LABORATORIES

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Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Jake Davey

Laboratory Manager

NATA Accredited Laboratory Number: 20956

Report Number: GSGY-GLN-24-175-60
Issue Number: 1
Date Issued: 30/01/2025
Client: ROBERTS BROS PTY LTD
 PO BOX 247, COOROY QLD 4563
Contact: DAVID ROBERTS
Project Number: GSGY-GLN-24-175
Project Name: Oakridge Estate
Project Location: LOT 9 ON RP224705 & LOT 8 ON RP218636,
 GLASTONBURY ROAD, NAHRUNDA
Work Request: 4684
Dates Tested: 09/01/2025 - 30/01/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or
 pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and Preparation of Soils
Specification: Minimum 95% Hilf Density Ratio
Location: Oakridge Estate - Level 1 Supervision - LOT 13
Material: Embankment Fill
Material Source: Onsite

| Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 | | | |
|------------------------------------------------------|--------------------|--------------------|--|
| Sample Number | G4684A | G4684B | |
| Date Tested | 09/01/2025 | 15/01/2025 | |
| Time Tested | 09:01 | 09:30 | |
| Test Request #/Location | 09-01-25 Lot 13 | 15/01/25 Lot 13 | |
| Easting | 462051.51 | 462056.35 | |
| Northing | 7101607.42 | 7101600.08 | |
| Elevation (m) | 76.34 | 77.39 | |
| Layer / Reduced Level | Embankment Fill | Embankment Fill | |
| Thickness of Layer (mm) | 300 | 300 | |
| Soil Description | Embankment Fill | Embankment Fill | |
| Test Depth (mm) | 275 | 275 | |
| Sieve used to determine oversize (mm) | 19.0 | 19.0 | |
| Percentage of Wet Oversize (%) | 8 | 12 | |
| Field Wet Density (FWD) t/m ³ | 2.14 | 2.24 | |
| Field Moisture Content % | 18.6 | 15.1 | |
| Field Dry Density (FDD) t/m ³ | 1.80 | 1.95 | |
| Peak Converted Wet Density t/m ³ | ** | ** | |
| Adjusted Peak Converted Wet Density t/m ³ | 2.19 | 2.25 | |
| Moisture Variation (Wv) % | ** | ** | |
| Adjusted Moisture Variation % | -0.5 | 0.0 | |
| Hilf Density Ratio (%) | 98.0 | 99.5 | |
| Compaction Method | Standard | Standard | |
| Report Remarks | ** | ** | |

Moisture Variation Note:

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