

Material Test Report



Report Number: GSGY-GLN-24-175-42
Issue Number: 1
Date Issued: 27/09/2024
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: 3651
Dates Tested: 23/07/2024 - 19/09/2024
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
Location: Oakridge Estate - Level 1 Supervision - Lot 19
Material: Onsite Fill
Material Source: Onsite

Geotechnical Services (Gympie) Pty Ltd
 1 Dennis Little Drive Glanmire QLD 4570
 Phone: (07) 4128 3213
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Accredited for compliance with ISO/IEC 17025 - Testing




 Approved Signatory: Jake Davey
 Laboratory Manager

NATA Accredited Laboratory Number: 21185

| Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 | | | |
|--|-------------------|----------------------|-----------------|
| Sample Number | G3651A | G3651B | G3651C |
| Date Tested | 23/07/2024 | 25/07/2024 | 26/08/2024 |
| Time Tested | 11:10 | 10:16 | 10:50 |
| Test Request #/Location | 23/7/24 Lot 19 | 24/07/2024 Lot 19 | 26/08 Lot 19 |
| Easting | 462239.420 | 462235.147 | 462222.53 |
| Northing | 7101584.630 | 7101576.054 | 7101585.77 |
| Elevation (m) | 64.040 | 64.690 | 65.6 |
| Thickness of Layer (mm) | 300 | 300 | 300 |
| Soil Description | Onsite Fill | Onsite Fill | Onsite Fill |
| Test Depth (mm) | 275 | 275 | 275 |
| Sieve used to determine oversize (mm) | 19.0 | 19.0 | 19.0 |
| Percentage of Wet Oversize (%) | 6 | 11 | 0 |
| Field Wet Density (FWD) t/m ³ | 2.16 | 2.13 | 2.03 |
| Field Moisture Content % | 12.8 | 21.6 | 15.0 |
| Field Dry Density (FDD) t/m ³ | 1.92 | 1.75 | 1.76 |
| Peak Converted Wet Density t/m ³ | ** | ** | 2.08 |
| Adjusted Peak Converted Wet Density t/m ³ | 2.12 | 2.09 | ** |
| Moisture Variation (Wv) % | ** | ** | 2.0 |
| Adjusted Moisture Variation % | 1.5 | 1.5 | ** |
| Hilf Density Ratio (%) | 102.0 | 102.0 | 97.5 |
| Compaction Method | Standard | Standard | Standard |
| Report Remarks | ** | ** | ** |

Moisture Variation Note:

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