

# Material Test Report



Geotechnics | Environment | Groundwater

Douglas Partners Pty Ltd

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Accredited for compliance with ISO/IEC 17025 - Testing



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NATA Accredited Laboratory Number: 828

**Report Number:** 681704.00-8  
**Issue Number:** 1  
**Date Issued:** 23/07/2020  
**Client:** Roberts Bros Pty Ltd  
 123 Cooroy Belli Creek Road, Cooroy 4563  
**Contact:** David Roberts  
**Project Number:** 681704.00  
**Project Name:** Proposed Subdivision  
**Project Location:** Greendale, Stage 4, Pie Creek  
**Work Request:** 9884  
**Date Sampled:** 16/07/2020  
**Dates Tested:** 16/07/2020 - 22/07/2020  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** Minimum 95% Standard Hilf Density Ratio  
**Lot Number:** 113  
**Material Source:** Onsite

| Compaction Control AS 1289 5.7.1 & 5.8.1             |                 |                 |  |
|--|-----------------|-----------------|--|
| Sample Number  | SS-9884A        | SS-9884B        |  |
| Date Tested  | 16/07/2020      | 16/07/2020      |  |
| Time Tested  | 09:15           | 09:20           |  |
| Test Request #/Location                              | Lot 113         | Lot 113         |  |
| Easting  | 461968          | 461962          |  |
| Northing   | 7096724         | 7096719         |  |
| Elevation (m)  | F.L.            | 1.0 < F.L.      |  |
| Soil Description                                     | Sandy Clay      | Sandy Clay      |  |
| Test Depth (mm)                                      | 150             | 150             |  |
| Sieve used to determine oversize (mm)                | 19.0            | 19.0            |  |
| Percentage of Wet Oversize (%)                       | 0.0             | 0.0             |  |
| Field Wet Density (FWD) t/m <sup>3</sup>             | 2.00            | 1.98            |  |
| Field Dry Density (FDD) t/m <sup>3</sup>             | **              | **              |  |
| Peak Converted Wet Density t/m <sup>3</sup>          | 1.93            | 2.04            |  |
| Adjusted Peak Converted Wet Density t/m <sup>3</sup> | **              | **              |  |
| Moisture Variation (Wv) %                            | 2.0             | -0.5            |  |
| Adjusted Moisture Variation %                        | **              | **              |  |
| Hilf Density Ratio (%)                               | <b>103.5</b>    | <b>97.0</b>     |  |
| Compaction Method                                    | <b>Standard</b> | <b>Standard</b> |  |

**Moisture Variation Note:**

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