# Material Test Report

Douglas Partners
Geotechnics / Environment / Groundwater
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|---|---|
| **Report Number:** | **217466.00-7** |
| **Issue Number:** | 1 |
| **Date Issued:** | 12/12/2022 |
| **Client:** | Roberts Bros Pty Ltd |
| | 123 Cooroy Belli Creek Road, Cooroy QLD 4563 |
| **Contact:** | John Roberts |
| **Project Number:** | 217466.00 |
| **Project Name:** | Proposed Subdivision |
| **Project Location:** | Mcintosh Park, Stage 3 & 4, Mcintosh Creek QLD |
| **Work Request:** | 21183 |
| **Date Sampled:** | 28/11/2022 |
| **Dates Tested:** | 28/11/2022 - 08/12/2022 |
| **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 |
| **Location:** | Bulk Earthworks |
| **Lot Number:** | 8 |
| **Material Source:** | Onsite |

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Martin Cook
Assistant Laboratory Manager
Laboratory Accreditation Number: 828

| Compaction Control AS 1289 5.7.1 & 5.8.1 | | | |
|---|---|---|---|
| Sample Number | SS-21183A | | |
| Date Tested | 28/11/2022 | | |
| Time Tested | ** | | |
| Test Request #/Location | Lot 8 | | |
| Easting | 464182 | | |
| Northing | 7096026 | | |
| Elevation (m) | 0.4 <F.L | | |
| Thickness of Layer (mm) | 150 | | |
| Soil Description | Gravelly Clay | | |
| Test Depth (mm) | 150 | | |
| Sieve used to determine oversize (mm) | 19.0 | | |
| Percentage of Wet Oversize (%) | 13 | | |
| Field Wet Density (FWD) $t/m^3$ | 2.13 | | |
| Field Dry Density (FDD) $t/m^3$ | ** | | |
| Peak Converted Wet Density $t/m^3$ | ** | | |
| Adjusted Peak Converted Wet Density $t/m^3$ | 2.22 | | |
| Moisture Variation (Wv) % | ** | | |
| Adjusted Moisture Variation % | 1.5 | | |
| Hilf Density Ratio (%) | **96.0** | | |
| Compaction Method | **Standard** | | |
| Report Remarks | ** | | |

**Moisture Variation Note:**
Positive values = test is dry of OMC
Negative values = test is wet of OMC