

Material Test Report



LABORATORIES

Gympie Laboratory

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Accredited for compliance with ISO/IEC 17025 - Testing



Ben Caulley

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Laboratory Assistant Manager

Laboratory Number: 20956

Report Number: GSGY-GLN-25-293-29
Issue Number: 1
Date Issued: 09/02/2026
Client: ROBERTS BROS PTY LTD
PO BOX 247, COOROY QLD 4563
Contact: PHIL ROBERTS
Project Number: GSGY-GLN-25-293
Project Name: GREENDALE STAGE 7
Project Location: LOT 99 ON SP345311 (#95) MOOLOO ROAD, PIE CREEK
Work Request: 6583
Date Sampled: 04/02/2026
Dates Tested: 04/02/2026 - 05/02/2026
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% Hlf Density Ratio
Location: Greendale Stage 7 - Level 1 Supervision - Lot 8
Lot Number: 8
Material: Embankment Fill
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	G6583A	G6583B	G6583C	G6583D
Date Tested	04/02/2026	04/02/2026	04/02/2026	04/02/2026
Time Tested	08:00	08:05	08:10	08:15
Test Request #/Location	Lot 8	Lot 8	Lot 8	Lot 8
Easting	462626.64	462623.97	462608.70	462606.33
Northing	7096149.72	7096138.83	7096139.85	7096151.52
Elevation (m)	76.07	76.55	77.07	76.80
Layer / Reduced Level	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill
Thickness of Layer (mm)	300	300	300	300
Soil Description	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill
Test Depth (mm)	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**	**
Field Wet Density (FWD) t/m ³	1.95	1.98	1.92	1.98
Field Moisture Content %	19.6	19.0	19.3	18.8
Field Dry Density (FDD) t/m ³	1.63	1.66	1.61	1.67
Peak Converted Wet Density t/m ³	2.03	2.06	2.03	2.05
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Moisture Variation (Wv) %	-0.5	-0.5	0.0	0.5
Adjusted Moisture Variation %	**	**	**	**
Hlf Density Ratio (%)	96.0	96.0	95.0	96.5
Compaction Method	Standard	Standard	Standard	Standard
Remarks	**	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC