

Material Test Report



LABORATORIES

Gympie Laboratory
1 Dennis Little Drive Glanmire QLD 4570

Phone: (07) 4128 3213

Email: ben.caulley@gsglabs.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



B. Caulley

Approved Signatory: Benjamin Caulley

Laboratory Assistant Manager

Laboratory Number: 20956

Report Number: GSGY-GLN-25-293-30
Issue Number: 1
Date Issued: 17/02/2026
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: 6465
Dates Tested: 12/12/2025 - 17/12/2025
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% Hlf Density Ratio
Location: Greendale Estate - Stage 7 - Lot 23 - Level 1 Supervision
Lot Number: 23
Material: Embankment Fill
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	G6465A	G6465B	G6465C	G6465D	G6465E	G6465F
Date Tested	12/12/2025	12/12/2025	12/12/2025	16/12/2025	16/12/2025	16/12/2025
Time Tested	12:25	12:30	12:35	10:30	10:35	10:45
Test Request #/Location	Lot 23	Lot 23	Lot 23	Lot 23	Lot 23	Lot 23
Easting	462675.83	462688.90	462687.03	462655.951	462672.983	462684.717
Northing	7096238.01	7096234.64	7096214.88	7096245.589	7096234.657	7096223.650
Elevation (m)	70.50	70.37	70.32	71.24	70.96	70.84
Layer / Reduced Level	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill
Test Depth (mm)	275	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**	**	**	**
Field Wet Density (FWD) t/m ³	2.04	2.01	2.04	2.04	2.08	2.10
Field Moisture Content %	15.5	16.0	15.9	16.3	15.9	15.6
Field Dry Density (FDD) t/m ³	1.76	1.73	1.76	1.76	1.80	1.82
Peak Converted Wet Density t/m ³	2.04	2.02	2.02	2.03	2.05	2.03
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Moisture Variation (Wv) %	2.0	0.5	1.0	0.0	0.0	0.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hlf Density Ratio (%)	99.5	99.5	101.0	100.5	101.5	103.5
Compaction Method	Standard	Standard	Standard	Standard	Standard	Standard
Remarks	**	**	**	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC