

Material Test Report



LABORATORIES

Gympie Laboratory
1 Dennis Little Drive Glanmire QLD 4570

Phone: (07) 4128 3213

Email: cameron@gsglabs.com.au

Report Number: GSGY-GLN-25-293-2
Issue Number: 1
Date Issued: 05/09/2025
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: 5699
Dates Tested: 27/08/2025 - 04/09/2025
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 Stage 7 - Lot 16 - Level 1 Supervision
Lot Number: 16
Material: Embankment Fill
Material Source: Onsite



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Cameron Crawford
General Manager

NATA Accredited Laboratory Number: 20956

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	G5699A	G5699B	G5699C	G5699D	G5699E
Date Tested	27/08/2025	27/08/2025	28/08/2025	28/08/2025	29/08/2025
Time Tested	10:30	10:35	14:30	14:40	14:30
Test Request #/Location	27/8/25 Lot 16	27/8/25 Lot 16	28/8/25 Lot 16	28/8/25 Lot 16	29/8/25 Lot 16
Easting	462587.29	462595.20	462570.79	462584.35	462593.76
Northing	7096313.03	7096301.25	7096293.55	7096287.12	7096303.53
Elevation (m)	68.63	69.07	69.18	69.35	69.32
Layer / Reduced Level	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill
Test Depth (mm)	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	**
Field Wet Density (FWD) t/m ³	2.11	2.14	2.10	2.13	2.04
Field Moisture Content %	18.6	17.5	15.8	17.2	19.4
Field Dry Density (FDD) t/m ³	1.78	1.82	1.81	1.82	1.71
Peak Converted Wet Density t/m ³	2.03	2.02	2.00	2.02	2.05
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Moisture Variation (Wv) %	0.0	0.5	1.5	1.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**
Hlf Density Ratio (%)	104.0	106.0	104.5	105.5	99.5
Compaction Method	Standard	Standard	Standard	Standard	Standard
Remarks	**	**	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC