

Material Test Report



Report Number: GSGY-GLN-24-175-17
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Extra test added
Date Issued: 25/07/2024
Client: ROBERTS BROS PTY LTD
 PO BOX 247, COOROY QLD 4563
Contact: DAVID ROBERTS
Project Number: GSGY-GLN-24-175
Project Name: Oakridge Estate
Project Location: LOT 9 ON RP224705 & LOT 8 ON RP218636,
 GLASTONBURY ROAD, NAHRUNDA
Work Request: 3365
Dates Tested: 02/05/2024 - 22/07/2024
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
Location: Oakridge Estate - Level 1 Supervision - Lot 23
Material: Onsite Fill
Material Source: Onsite

Geotechnical Services (Gympie) Pty Ltd

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Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Jake Davey

Laboratory Manager

NATA Accredited Laboratory Number: 21185

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1

Sample Number	G3365A	G3365B	G3365C
Date Tested	30/04/2024	01/05/2024	16/07/2024
Time Tested	11:10	09:10	10:32
Test Request #/Location	Lot 23	Lot 23	Lot 23
Easting	462103.08	462096.83	462094.23
Northing	7101499.16	7101497.66	7101501.86
Elevation (m)	76.413	76.686	77.000
Layer / Reduced Level	-500mm	-300	FSL
Thickness of Layer (mm)	300	300	300
Soil Description	Onsite Fill	Onsite Fill	Onsite Fill
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	20	**
Field Wet Density (FWD) t/m ³	2.09	2.28	2.06
Field Moisture Content %	27.2	14.1	22.0
Field Dry Density (FDD) t/m ³	1.64	2.00	1.69
Peak Converted Wet Density t/m ³	1.98	**	2.03
Adjusted Peak Converted Wet Density t/m ³	**	2.27	**
Moisture Variation (Wv) %	0.0	**	-1.0
Adjusted Moisture Variation %	**	1.0	**
Hilf Density Ratio (%)	105.5	100.5	101.5
Compaction Method	Standard	Standard	Standard
Report Remarks	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC