

Material Test Report



GSG LABORATORIES

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Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Jake Davey

Laboratory Manager

NATA Accredited Laboratory Number: 20956

Report Number: GSGY-GLN-24-175-58
Issue Number: 1
Date Issued: 29/01/2025
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: 4647
Date Sampled: 10/12/2024
Dates Tested: 11/12/2024 - 29/01/2025
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% Hilf Density Ratio
Location: Oakridge Estate - Level 1 Supervision - LOT 12
Lot Number: Lot 12
Material: Embankment Fill
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	G4647A	G4647B	
Date Tested	10/12/2024	23/01/2025	
Time Tested	14:20	15:55	
Test Request #/Location	10/12/24 Lot 12	23/1/25 Lot 12	
Easting	462070.90	462077.60	
Northing	7101669.55	7101659.84	
Elevation (m)	71.12	**	
Layer / Reduced Level	Embankment Fill	Embankment Fill	
Thickness of Layer (mm)	300	300	
Soil Description	Embankment Fill	Embankment Fill	
Test Depth (mm)	275	275	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	15	14	
Field Wet Density (FWD) t/m ³	2.09	2.32	
Field Moisture Content %	18.2	13.2	
Field Dry Density (FDD) t/m ³	1.77	2.05	
Peak Converted Wet Density t/m ³	**	**	
Adjusted Peak Converted Wet Density t/m ³	2.11	2.23	
Moisture Variation (Wv) %	**	**	
Adjusted Moisture Variation %	0.5	1.5	
Hilf Density Ratio (%)	99.0	104.0	
Compaction Method	Standard	Standard	
Report Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC