

# Material Test Report



**Report Number:** GSGY-GLN-24-175-4  
**Issue Number:** 3 - This version supersedes all previous issues  
**Reissue Reason:** Lot 10  
**Date Issued:** 13/05/2024  
**Client:** THE COTTAR TRUST t/a ROBERTS BROS PTY LTD  
 PO BOX 247, COOROY QLD 4563  
**Contact:** DAVID ROBERTS  
**Project Number:** GSGY-GLN-24-175  
**Project Name:** NAHRUNDA STAGE 1 - 5  
**Project Location:** LOT 9 ON RP224705 & LOT 8 ON RP218636,  
 GLASTONBURY ROAD, NAHRUNDA  
**Work Request:** 3097  
**Dates Tested:** 02/05/2024 - 09/05/2024  
**Location:** Nahrunda Stage 1-5

Geotechnical Services (Gympie) Pty Ltd  
 1 Dennis Little Drive Glanmire QLD 4570  
 Phone: (07) 4128 3213

Email: jake.davey@geotechnicalservices.com.au

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	G3097A	G3097F	
Date Tested	02/05/2024	02/05/2024	
Time Tested	10:01	15:40	
Test Request #/Location	Lot 10	02/05/24 Lot 10	
Easting	462105.46	462102.76	
Northing	7101758.50	7101752.71	
Elevation (m)	64.40	64.887	
Layer / Reduced Level	-1400	-1000mm	
Thickness of Layer (mm)	300	300	
Soil Description	General Fill	Onsite Fill	
Test Depth (mm)	275	275	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	17	17	
Field Wet Density (FWD) t/m <sup>3</sup>	2.12	2.20	
Field Moisture Content %	25.1	21.5	
Field Dry Density (FDD) t/m <sup>3</sup>	1.70	1.81	
Peak Converted Wet Density t/m <sup>3</sup>	**	**	
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	2.05	2.12	
Moisture Variation (Wv) %	**	**	
Adjusted Moisture Variation %	0.5	-1.5	
Hilf Density Ratio (%)	<b>103.5</b>	<b>103.5</b>	
Compaction Method	<b>Standard</b>	<b>Standard</b>	
Report Remarks	**	**	

**Moisture Variation Note:**

Positive values = test is dry of OMC  
 Negative values = test is wet of OMC