

# Material Test Report

**Report Number:** CTG0298-1  
**Issue Number:** 1  
**Date Issued:** 11/12/2025  
**Client:** WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)  
 50 Barry Road, Campbellfield Victoria 3061  
**Project Number:** CTG0298  
**Project Name:** CREEKSTONE NORTH STAGE 10 (LEVEL 1)  
**Work Request:** 1404  
**Date Sampled:** 02/12/2025  
**Dates Tested:** 02/12/2025 - 11/12/2025  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** 95% Standard Compaction & +/- 3% Moisture Variation  
**Location:** Stage 10  
**Material:** silty CLAY, medium to high plasticity, brown  
**Material Source:** Onsite Road boxing



**GEOTECHNICAL**

C & T Geotechnical (Melbourne) Pty Ltd  
 47A Assembly Drive Tullamarine VIC 3043

Phone: 0410 530 191

Email: Tim@ctgeotech.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



*Tim Senserrick*

Approved Signatory: Tim Senserrick

Managing Director

NATA Accredited Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	0298-S1	0298-S2	0298-S3
Date Tested	02/12/2025	02/12/2025	02/12/2025
Time Tested	10:00	12:00	12:00
Test Request #/Location	Lot 1032	Lot 1034	Lot 1036
Chainage (m)	305	330	355
Location Offset (m)	10m West from REL	8m West from REL	9m West from REL
Layer / Reduced Level	Layer 1 (150mm)	Layer 2 (300mm)	Layer 2 (300mm)
Thickness of Layer (mm)	150	150	150
Soil Description	CLAY, medium to high plasticity, red/brown	CLAY, medium to high plasticity, red/brown	CLAY, medium to high plasticity, red/brown
Test Depth (mm)	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	5	7	4
Field Wet Density (FWD) t/m <sup>3</sup>	1.85	1.86	1.83
Field Moisture Content %	31.7	26.0	26.0
Field Dry Density (FDD) t/m <sup>3</sup>	1.40	1.47	1.45
Peak Converted Wet Density t/m <sup>3</sup>	**	**	**
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	1.84	1.90	1.89
Moisture Variation (Wv) %	**	**	**
Adjusted Moisture Variation %	3.0	2.0	2.5
Hilf Density Ratio (%)	<b>100.5</b>	<b>98.0</b>	<b>97.0</b>
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
Remarks	**	**	**

**Moisture Variation Note:**

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Sample Locations Plan

x - approximate test location

