

CIVIL GEOTECHNICAL SERVICES ABN 26 474 013 724 PO Box 678 Croydon Vic 3136 Telephone: 9723 0744 Facsimile: 9723 0799

8th May 2023

Our Reference: 23142:NB1548

Winslow Constructors Pty Ltd 50 Barry Road CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING CREEKSTONE – STAGE 3 (TARNEIT)

Please find attached our Report No 23142/R001 which relates to the field density testing that was conducted within the filled allotments at the above subdivision. The level 1 inspections and associated field density testing was performed in February 2022.

The inspections and testing of the earthworks was undertaken in general accordance with the Level 1 requirements of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments.

The site inspection and testing was performed by experienced geotechnicians from this office. Any areas that were deemed unsatisfactory were reworked and retested under their supervision. The testing was performed to the relevant Australian Standards and the accompanying test reports carry NATA endorsement. The attached compaction results, which were located randomly throughout the fill profile, are considered to be representative of the bulk fill materials that were placed across the reported allotments by Winslow Constructors during the aforementioned period. The approximate locations of the field density tests can be seen on the attached plan (Figure 1).

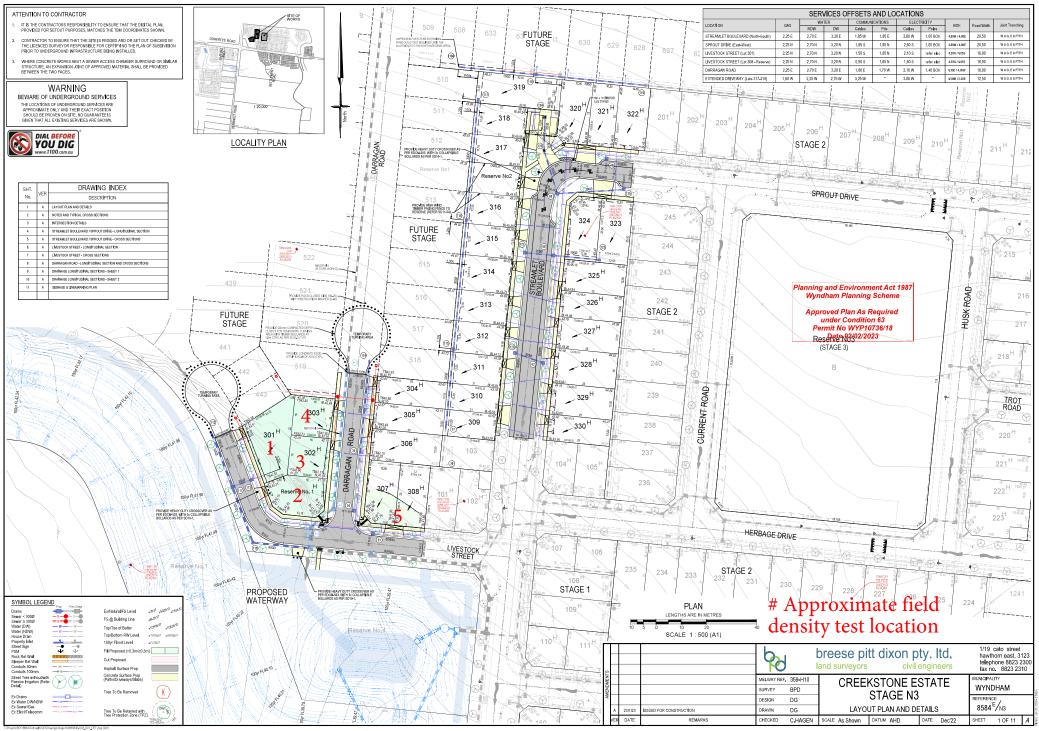
We are of the view that the bulk fill materials that have been placed across the reported allotments by Winslow Constructors during the aforementioned period can be considered as having been placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

Nick Brock

FIGURE 1





COMPACTION ASSESSMENT

	IVIL GEOTECHNICAL SERVICES - 8 Rose Avenue, Croydon 3136 Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)							23142 23142/R00 17/02/23 JB
•	CREEKSTONE - STAGE N3						ested by ate tested hecked by	ЈВ 15/02/23 JHF
Feature E	ARTHWORKS		Layer thickness		200 mm		Time:	12:00
Test procedure	AS 1289.2.1.1 & 5.8	8.1						
Test No			1	2	3	4	5	-
Location			REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	
Approximate dep								
Measurement depth mm		175	175	175	175	175	-	
Field wet densityt/m³Field moisture content%		1.84 20.3	1.82 25.7	1.83 24.6	1.83 25.9	1.83 20.7	-	
Test procedure Test No Compactive effor			1	2	3 Stan	4	5	-
Oversize rock retained on sieve mm		19.0	19.0	19.0	19.0	19.0	-	
Oversize rock ret		wet	0	0	0	0	0	-
	ize material			-			Ţ	
Percent of oversi		t/m ³		1.88	1.86	1.87	1.86	-
Percent of oversi Peak Converted			1.84	1.88 -	1.86 -	1.87 -	1.86 -	-
Percent of oversi Peak Converted Adjusted Peak C	Wet Density converted Wet Density	t∕m³	1.84					- - -
Percent of oversi Peak Converted Adjusted Peak C Optimum Moistur	Wet Density converted Wet Density	t/m³ t/m³	1.84 -	-	-	-	-	
Percent of oversi Peak Converted Adjusted Peak C Optimum Moistur Moisture	Wet Density converted Wet Density re Content	t/m³ t/m³	1.84 - 22.5	- 26.0	- 26.5	- 26.5	- 22.0	
Percent of oversi Peak Converted Adjusted Peak C Optimum Moistur Moisture Optimum	Wet Density converted Wet Density re Content Variation From	t/m³ t/m³ %	1.84 - 22.5 2.5% dry	- 26.0 0.5% dry	- 26.5 2.0% dry	- 26.5 0.5% dry	- 22.0 1.0% dry	-



NATA Accredited Laboratory No 9909 Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry