

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

26th July 2023

Our Reference: 23580:NB1622

Winslow Constructors Pty Ltd 50 Barry Road CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING UNITY PARK – STAGE 6A (TARNEIT)

Please find attached our Report No 23580/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 July 2023.

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

8 Rose Avenue, Croydon 3136 Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)							Date Issued Tested by	26/07/23 JB
Project Location	UNITY PARK - STAGE 6 TARNEIT	' PARK - STAGE 6A EIT					Date tested Checked by	19/07/23 JHF
Feature	EARTHWORKS		<i>Layer thickness</i> 200 mm			nm	<i>Time</i> : 09:00	
Test proced	lure AS 1289.2.1.1 & 5.8.	1						
Test No			1	2	3	-	-	-
Location			REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1			
Approximate	depth below FSL							
Measuremen	it depth	mm	175	175	175	-	-	-
Field wet der	Field wet density t/m ³		1.97	2.00	1.95	-	-	-
Field moistur	e content	%	30.3	26.9	27.8			-
Test proced	lure AS 1289.5.7.1							
Test No		1	2	3			-	
Compactive effort		Standard						
Oversize rock	k retained on sieve	mm	19.0	19.0	19.0	-		-
Percent of ov	versize material	Wet	0	0	0			-
Peak Conver	ted Wet Density	t/m ³	1.99	2.03	1.97			-
Adjusteu r ea	IK COnverted wet Density	<u>۷</u> ۱۱۲ مر		- 20.0	20.5			+
Оршпантио		/0	33.0	29.0	30.3			
	ture Variation From		2.0%	1.5%	2.5%			-
Moisi		ļ	dry	dry	dry			
Mois: Optim	um Moisture Content				h of test and r	ot to the	e full depth of th	ne layer
Mois Optim density	um Moisture Content	relate c	only to the so	il to the dept				



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Approved Signatory : Justin Fry