

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

17th August 2020

Our Reference: 20186:NB791

Winslow Constructors Pty Ltd 50 Barry Road CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING RATHDOWNE – STAGE 6 (WOLLERT)

Please find attached our Report No's 20186/R001 and 20186/R002 which relate to the field density testing that was conducted within the filled allotments of the above subdivision. The level 1 inspections and associated field density testing was performed in April 2020.

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).

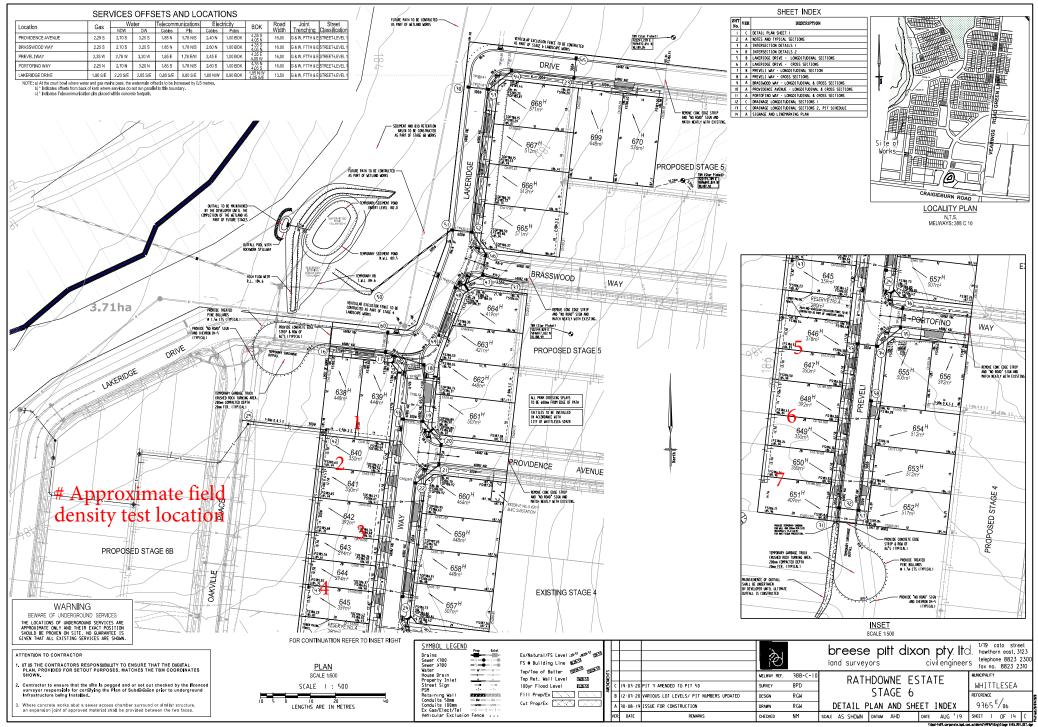
We are of the view that the bulk fill materials that have been placed across the reported allotments by Winslow Constructors during the aforementioned period can be considered as having been placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

Nick Brock

FIGURE 1





COMPACTION ASSESSMENT

VIL GEOTECH 8 Rose Avenue,	Re Da	b No eport No ate Issued	20186 20186/R001 21/07/2020					
Client Project Location	WINSLOW CONSTRUC RATHDOWNE - STAGE WOLLERT	PTY LTD (CAMPBELLFIELD)				sted by ate tested aecked by	AC 08/04/20 JHF	
Feature	EARTHWORKS		Layer thickness		200 mm		<i>Time:</i> 11:04	
	re AS 1289.2.1.1 & 5.8.	1						
Test No			1	2	3	4	5	6
Location			REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1
	lepth below FSL							
Measurement		mm	175	175	175	175	175	175
Field wet dens Field moisture		t/m³ %	1.86 21.7	1.85 23.1	1.85 31.3	1.86 25.6	1.86 31.5	1.83 24.1
Test No Compactive ef	re AS 1289.5.7.1		1	2	3 Stan	4 dard	5	6
eempacare er		mm	19.0	19.0	19.0	19.0	19.0	19.0
Oversize rock							0	0
		wet	0	0	0	0		
Percent of ove	ersize material	wet t/m³	0 1.89	0 1.88	0 1.88	0 1.89	1.88	1.86
Percent of ove Peak Converte								
Percent of ove Peak Converte Adjusted Peak	ersize material ed Wet Density < Converted Wet Density	t∕m³						
Adjusted Peak Optimum Mois	ersize material ed Wet Density < Converted Wet Density	t/m³ t/m³	1.89 -	1.88 - 20.5	1.88 - 29.0	1.89 - 23.0	1.88 - 29.0	1.86 - 21.5
Percent of ove Peak Converte Adjusted Peak Optimum Mois Moistu	ersize material ed Wet Density Converted Wet Density sture Content	t/m³ t/m³	1.89 - 19.5	1.88 -	1.88 -	1.89 -	1.88 -	1.86 -

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The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards. Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

Project R/	IVIL GEOTECHNICAL SERVICES - 8 Rose Avenue, Croydon 3136 Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)								
	INSLOW CONSTRUC ATHDOWNE - STAG OLLERT	WNE - STAGE 6				LD)		AC 07/04/20 JHF	
Feature E	RTHWORKS		Laye	er thickness	200 mm		<i>Time:</i> 12:03		
Test procedure	AS 1289.2.1.1 & 5.8	3.1							
Test No			7	-	-	-	-	-	
Location			REFER TO FIGURE 1						
Approximate dep									
Measurement dep	oth	mm	175	-	-	-	-	-	
Field wet density Field moisture co		t/m³ %	1.84 29.0	-	-	-	-	-	
est procedure AS 1289.5.7.1 Test No Compactive effort		7 -		 Standard		-	-		
Oversize rock reta		mm	19.0	-	-	-	-	-	
Percent of oversiz	ze material	wet	0	-	-	-	-	-	
Peak Converted \	Net Density	t∕m³	1.87	-	-	-	-	-	
Adjusted Peak Co	onverted Wet Density	t∕m³	-	-	-	-	-	-	
Optimum Moistur	e Content	%	27.0	-	-	-	-	-	
Moisture	Variation From		2.0%	-	-	-	-	-	
	Moisture Content		wet						
								-	

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