

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

6th October 2021

Our Reference: 21517:NB1059

Winslow Constructors Pty Ltd 50 Barry Road CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING CORNERSTONE – STAGE 17 (WYNDHAM VALE)

Please find attached our Report No's 21517/R001 to 21517/R005 which relate 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 commenced in July 2021 and was completed in August 2021.

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).

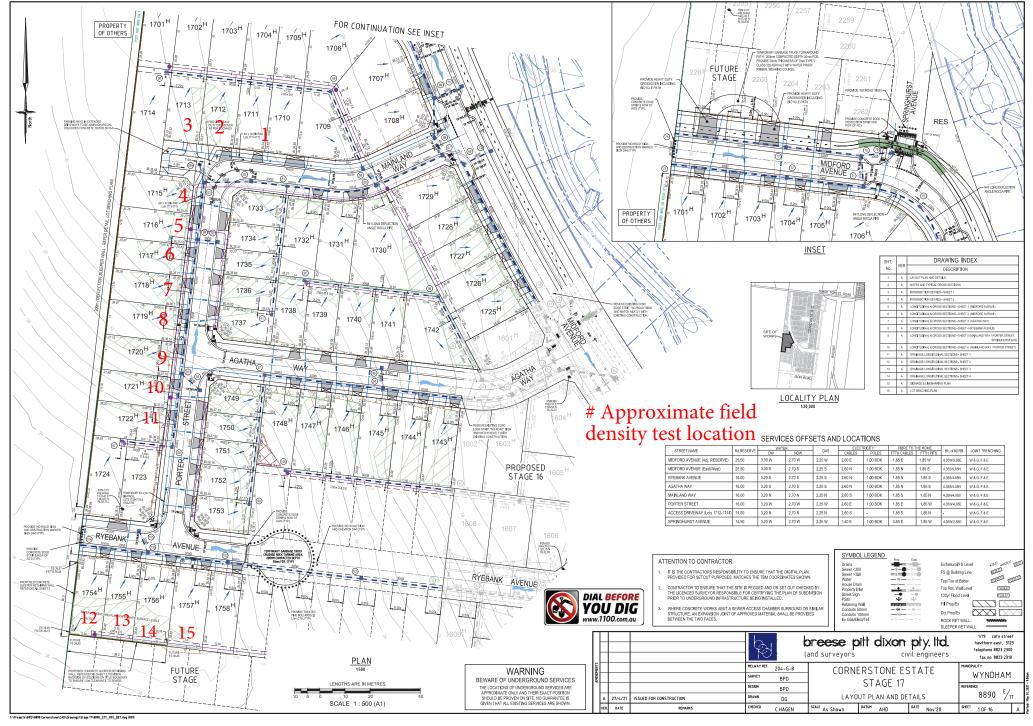
We are of the view that the bulk fill materials that have been placed across the reported allotments by Winslow Constructors during the aforementioned period can be considered as having been placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

Nick Brock

FIGURE 1





Report No 21517/R00 Date Issued 11/09/202 Tested by BGG Date tested 23/07/21 Checked by JHF	ED)	MPBELLFIE	/IL GEOTECHNICAL SERVICES 8 Rose Avenue, Croydon 3136 Client WINSLOW CONSTRUC Project CORNERSTONE - STA Location WYNDHAM VALE		
200 mm <i>Time:</i> 13:43	200 m	er thickness	Lay		Feature EARTHWORKS
				.8.1	Test procedure AS 1289.2.1.1 & 5.8
3	3	2	1		Test No
то	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1		Location
					Approximate depth below FSL
175		175	175	тт	Measurement depth
1.99 - - - 31.0 - - - -		1.98 30.9	1.98 30.9	t/m³ %	Field wet density Field moisture content
3 Standard		2	1		Test procedure AS 1289.5.7.1 Test No Compactive effort
19.0		19.0	19.0	mm	Oversize rock retained on sieve
0		0	0	wet	Percent of oversize material
2.07		2.07	2.05	t∕m³	Peak Converted Wet Density
	-	-	-	y t/m³	Adjusted Peak Converted Wet Density
31.5	31.5	33.5	33.5	%	Optimum Moisture Content
0.5%	0.5%	2.0%	2.0%		Moisture Variation From
dry	dry	dry	dry		Optimum Moisture Content
96.0	96.0	96.0	96.5	%	Density Ratio(R _{HD})
dry	dry	dry	dry	%	



Approved Signatory : Justin Fry

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	HNICAL SERVICES e, Croydon 3136						Job No Report No Date Issued	21517 21517/R00 28/08/2021	
Client Project Location	WINSLOW CONSTRUC CORNERSTONE - STA WYNDHAM VALE		PTY LTD (CAMPBELLFIELD)				Tested by Date tested Checked by	BGG 24/07/21 JHF	
Feature	EARTHWORKS		Lay	er thickness	200 mr	m	Time	: 10:47	
-	ure AS 1289.2.1.1 & 5.8	3.1							
Test No			4	5	6	-	-	-	
Location			REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1				
	depth below FSL								
Measurement		mm	175	175	175	-	-		
Field wet dens Field moisture	•	<u>t/m³</u> %	1.79 28.7	1.79 29.5	1.76 29.7	-	-	-	
Test procedu Test No Compactive e	ure AS 1289.5.7.1		4	5	6 Standa	- Ird	-	-	
	retained on sieve	mm	19.0	19.0	19.0	-	-	-	
Oversize rock		wet	0	0	0	-	-	-	
	EI SIZE III alei iai			1.80	1.80	-	-		
Percent of ove		t∕m³	1.81					-	
Percent of ove Peak Convert	ed Wet Density k Converted Wet Density	t/m³ t/m³	1.81 -	-	-	-	-	-	
Percent of ove Peak Convert Adjusted Pea	ed Wet Density		1.81 - 31.5	- 32.0	- 32.5	-		-	
Percent of ove Peak Convert Adjusted Pea Optimum Mois	ed Wet Density k Converted Wet Density	t∕m³	-	-	-		-		
Percent of ove Peak Convert Adjusted Pea Optimum Mois Moist	ed Wet Density k Converted Wet Density sture Content	t∕m³	- 31.5	- 32.0	- 32.5		-	- - -	

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8 Rose Avenue	HNICAL SERVICES e, Croydon 3136						Job No Report No Date Issued	21517 21517/R00 06/10/2021	
Client Project Location	WINSLOW CONSTRUC CORNERSTONE - STA WYNDHAM VALE		PTY LTD (CAMPBELLFIELD)				Tested by Date tested Checked by	BGG 26/07/21 JHF	
Feature	EARTHWORKS		Lay	er thickness	200 n	nm	Time	e: 12:27	
Test proced	ure AS 1289.2.1.1 & 5.8	. 1							
Test No			7	8	9	-	-	-	
Location			REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1				
	depth below FSL								
Measurement		mm	175	175	175	-	-	-	
Field wet den Field moisture		t∕m³ %	1.97 18.4	1.97 17.2	1.97 18.6	-	-	-	
Test proced Test No Compactive e	ure AS 1289.5.7.1		7	8	9 Stand	- lard	-	-	
	retained on sieve	mm	19.0	19.0	19.0	-	-	-	
	ersize material	wet	0	0	0	-	-	-	
		t/m³	2.04	2.06	2.07	-	-	-	
	ted Wet Density								
Peak Convert	ted Wet Density k Converted Wet Density	t∕m³	-	-	-	-	-	-	
Peak Convert Adjusted Pea		t/m³ %	- 19.0	- 19.5	- 18.5	-	-	-	
Peak Convert Adjusted Pea Optimum Moi	k Converted Wet Density isture Content					-			
Peak Conven Adjusted Pea Optimum Moi Moist	k Converted Wet Density		- 19.0 0.5% dry	- 19.5 2.5% dry	- 18.5 0.0%	-	-	-	

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



Project CC Location W	INSLOW CONSTRUC DRNERSTONE - STA YNDHAM VALE		- IY LID (CA	NNIARFITHE	:LU)		Tested by Date tested	BS 03/08/21
Feature EA	ARTHWORKS					Checked by	03/08/21	
			Lay	er thickness	200 m	ım	Time	e: 13:42
-	AS 1289.2.1.1 & 5.8	.1						
Test No			10	11	12	-	-	-
Location			REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1			
Approximate dept								
Measurement dep	oth	mm	175	175	175	-	-	-
Field wet density Field moisture cor		t/m³ %	1.87 31.3	1.86 28.4	1.83 30.5	-	-	-
Test procedure / Test No Compactive effort			10	11	12 Stand	-	-	-
Oversize rock reta		mm	19.0	19.0	19.0	-		_
Percent of oversiz		wet	0	0	0	-	-	_
Peak Converted V		t/m ³	1.91	1.93	1.88	-	_	-
	nverted Wet Density	t/m³	-	-	-	-	-	-
Optimum Moisture		%	34.0	29.0	31.0	-	-	-
Moisture	Variation From		2.5%	0.5%	0.5%	-	-	1 -
Optimum N	Noisture Content		dry	dry	dry			
Density Ratio (F	R _{HD})	%	98.0	96.0	97.5	-	-	-



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



	HNICAL SERVICES	<u></u>					Job No Report No Date Issued		
Client Project Location	WINSLOW CONSTRUC CORNERSTONE - STAC WYNDHAM VALE		STYLTD (CA	MPBELLFIE	LD)		Tested by Date tested Checked by	BS 04/08/21 JHF	
Feature	EARTHWORKS		Lay	er thickness	200 m	ım	Tim	e: 14:12	
	ıre AS 1289.2.1.1 & 5.8.	1							
Test No			13	14	15	-	-	-	
Location			REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1				
Approximate c	depth below FSL								
Measurement		mm	175	175	175	-	-	-	
Field wet dens Field moisture	•	t/m³ %	1.93 35.4	1.85 36.8	1.97 29.8	-	-	-	
Test No Compactive et	Ire AS 1289.5.7.1		13	14	15 Standa	- ard	-	-	
	retained on sieve	mm	19.0	19.0	19.0	-	-	-	
	ersize material	wet	0	0	0	-	_	-	
	ed Wet Density	t/m³	1.93	1.90	2.03	-	-	-	
Peak Converte	,	(12							
	k Converted Wet Density	t∕m³	-	-	-	-	-	-	
Adjusted Peak		t/m³ %	- 36.0	38.0	- 30.5	-	-	-	
Adjusted Peal Optimum Mois Moista	sture Content ure Variation From		0.5%	1.0%	0.5%	-	<u> </u>	-	
Adjusted Peal Optimum Mois Moiste	sture Content					-	- - -	-	

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