

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

28th April 2020

Our Reference: 19768:NB694

Winslow Constructors Pty Ltd 50 Barry Road CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING EYNESBURY – STAGE 11A6 (EYNESBURY)

Please find attached our Report No's 19768/R001 and 19768/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 commenced in February 2020 and was completed 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 (1 of 2)



FIGURE 1 (2 of 2)





COMPACTION ASSESSMENT

VIL GEOTECHNICAL SERV	Job No Report No Date Issued	19768 19768/R001 10/03/2020					
Client WINSLOW C Project EYNESBURY Location EYNESBURY	Tested by Date tested Checked by	BS 14/02/20 JHF					
<i>Feature</i> EARTHWOR	KS	Lay	er thickness	200	mm	<i>Time:</i> 11:47	
Test procedure AS 1289.2	2.1.1 & 5.8.1	· .					•
Test No	Test No		2	-	-		-
Location		REFER TO FIGURE 1	REFER TO FIGURE 1				
Approximate depth below FS	5L						
Measurement depth	mm	175	175	-	-	-	-
Field wet density	t/m³	1.80	1.75	-	-	-	-
Field moisture content %		17.5	17.7	-	-	-	-
Test procedure AS 1289.5	5.7.1						-
Test No		1	2	-		-	-
Compactive effort				Stan	dard		
Oversize rock retained on sig	eve mm	19.0	19.0	-	-	-	
Percent of oversize material	wet	0	0	-			
Peak Converted Wet Density		1.88	1.80	-	-		
Adjusted Peak Converted Wet Density		-	-	-			
Optimum Moisture Content	%	20.0	20.0	<u> </u>	-	-	
Moisture Variation F	rom	2.5%	2.5%	-		-	-
Optimum Moisture Co	ontent	dry	dry	I			
Density Ratio (R _{HD})	%	96.0	97.0	-	-		-
Material description No 1 - 2 Clay Fill							

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

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COMPACTION ASSESSMENT

DNSTRUCTORS I - STAGE 11A6 (S 1.1 & 5.8.1	PTY LTD (CA	AMPBELLFIE er thickness	ELD) 200	Da Te Da Ch mm	te Issued sted by te tested tecked by Time:	28/04/2020 WS 18/04/20 JHF 10:30	
DNSTRUCTORS - STAGE 11A6 (S 1.1 & 5.8.1	PTY LTD (CF	AMPBELLFIE	ELD) 200	Te Da Ch mm	sted by te tested becked by Time:	WS 18/04/20 JHF 10:30	
- STAGE 11A6 S 1.1 & 5.8.1	Lay	er thickness	200	Da Ch mm	te tested becked by Time:	18/04/20 JHF 10:30	
(S 1.1 & 5.8.1	Lay	er thickness	200	<u>Cł.</u> mm	ecked by Time:	JHF 10:30	
(S 1.1 & 5.8.1	Lay	er thickness	200	mm	Time:	10:30	
K S 1.1 & 5.8.1	Lay	er thickness	200	mm	Time:	10:30	
1.1 & 5.8.1							
1.1 & 5.8.1							
1.1 & 5.8.1							
	3	4	5	6	7	8	
	REFER	REFER	REFER	REFER	REFER	REFER	
	ТО	ТО	то	ТО	ТО	ТО	
	FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1	
Approximate depth below FSL							
Measurement depth mm		175	175	175	175	175	
Field wet density t/m ³		1.74	1.70	1.68	1.74	1.70	
Field moisture content %		28.7	28.1	32.6	32.0	32.2	
7.1							
	3	4	5	6	7	8	
Compactive effort			Stan	dard			
/e mm	19.0	19.0	19.0	19.0	19.0	19.0	
wet	0	0	0	0	0	0	
t/m³	1.77	1.77	1.74	1.73	1.77	1.75	
t Density t/m³	-	-	-	-	-	-	
Optimum Moisture Content %		30.5	30.5	34.5	34.0	34.0	
- <i>m</i>	2 0%	2 በ%	2 5%	2 በ%	2 0%	2 0%	
ntent	2.070 drv	2.070 drv	2.570 drv	2.070 drv	2.070 drv	2.0% drv	
nem	ury	ury	ury	ury	ury	ury	
•	07.5	00.0	00.0	07.5	00.0	07.0	
%	97.5	98.0	98.0	97.5	98.0	97.0	
	L mm t/m³ % 7.1 ve mm wet t/m³ % or Density t/m³ % om ntent %	REFER TO FIGURE 1 Imm 175 t/m³ 1.73 % 27.5 7.1 3 we mm 19.0 wet 0 t/m³ 1.77 st Density % 29.5 om 2.0% dry	REFER REFER TO TO FIGURE 1 FIGURE 1 Imm 175 175 Imm 173 1.74 % 27.5 28.7 7.1 3 4 we mm 19.0 wet 0 0 t/m³ 1.77 1.77 st/m³ 1.77 1.77 ve mm 19.0 19.0 wet 0 0 0 t/m³ 1.77 1.77 st Density t/m³ - - % 29.5 30.5 30.5 om 2.0% 2.0% dry % 97.5 98.0 30.5	REFER REFER REFER REFER TO TO TO FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 L mm 175 175 175 t/m^3 1.73 1.74 1.70 $\%$ 27.5 28.7 28.1 7.1 3 4 5 ve mm 19.0 19.0 19.0 ve mm 19.0 19.0 19.0 ve mm 19.0 19.0 19.0 wet 0 0 0 0 mm 1.77 1.77 1.74 mm 2.0% 2.0% 2.5% mm 2.0% 2.0% 2.5% mm 1.77 1.77	REPER REPER REPER REPER REPER REPER TO TO TO FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 L mm 175 175 175 175 175 t/m^3 1.73 1.74 1.70 1.68 % 27.5 28.7 28.1 32.6 7.1 3 4 5 6 Standard ve mm 19.0 19.0 19.0 wet 0 0 0 0 0 wet 0 29.5 30.5 30.5 34.5	REFER REFER REFER REFER REFER REFER REFER TO TO TO TO FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 TO FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 TO FIGURE 1 FIGURE 1 <th< td=""></th<>	

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