

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

12<sup>th</sup> March 2022

Our Reference: 21785:NB1169

Winslow Constructors Pty Ltd 50 Barry Road CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

## RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING CORNERSTONE – STAGE 10 (WYNDHAM VALE)

Please find attached our Report No 21785/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 December 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).

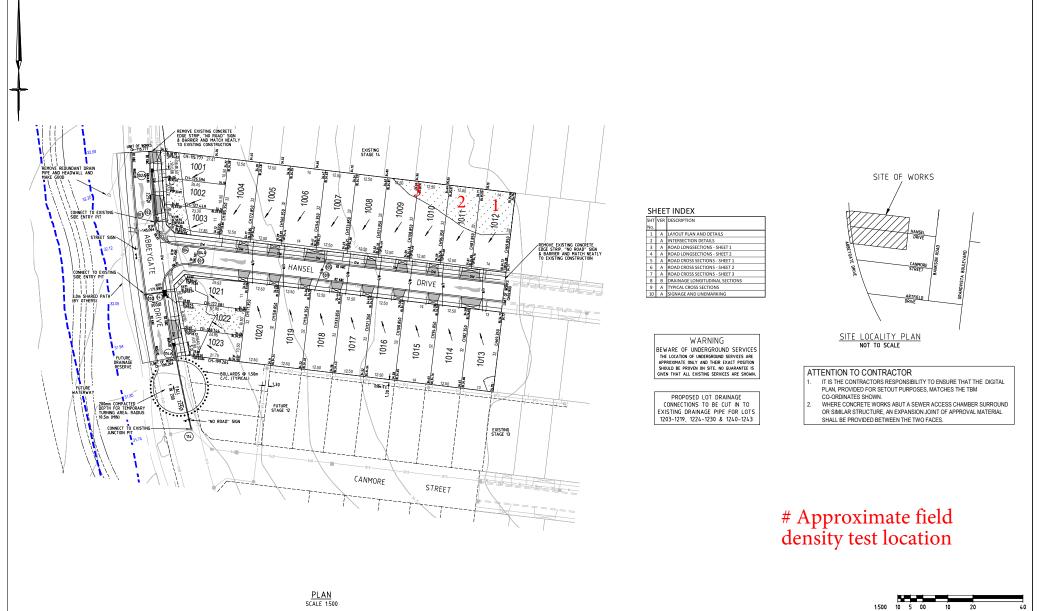
We are of the view that the bulk fill materials that have been placed across the reported allotments by Winslow Constructors during the aforementioned period can be considered as having been placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

Nick Brock

## FIGURE 1



SERVICE OFFSETS AND LOCATION TABLE SYMBOL LEGEND Temporary Bench Mark (TBM) breese pitt dixon pty. Itd. Drains Sever <300 Sever <300 Water House Drain Property Inlet Street Sign PSM Retaining Wall Conduits 100mm Ex Gas/Elect/Tel ELECTRICITY TELECOMUNICATIONS BOK Ex/Natural/FS Level WATER GAS 28.57 RESERVE WIDTH ROAD NAME land surveyors civil engineers U/G C FS @ Building Line 8 28.52 DW NDW SIDE OFFSET SIDE SIDE SIDE OFFSET SIDE OFFEST Too/Toe of Batter 10P28.57 / 10E28.53 1.85 4.35 N 4.05 S MELWAY REF. 204 E9 16.00 3.20 N 2.70 N S 1.00\* S 2.60 S CORNERSTONE ESTATE Too Ret, Wall Level 1028.57 ABBEYGATE DRIVE NOTE: \* OFFSET FROM BACK OF KERI 14.50 3.20 E 2.70 E 2.25 W 1.00\* W 1.00 W 0.50 2.55 W 4.35 E SURVEY BPD Fill Prop/Ex STAGE 10 Fill Prop/Ex (> 0.5m depth) Cut Prop/Ex (> 0.2m depth) DESIGN JGB A 16.09.21 ISSUED FOR CONSTRUCTION LAYOUT PLAN & DETAILS DRAWN IMW Threshold Treatment VER. DATE C. HAGEN SCALE AS SHOWN DATUM AHD DATE MAY 2021 REMARKS CHECKED

1/19 cato street hawthorn east, 3123

telephone 8823 2300 fax no. 8823 2310

WYNDHAM

8890 - E/10

SHEET 1 OF 10 A

JNCPAUTY

REFERENCE



## **COMPACTION ASSESSMENT**

CIVIL GEOTECHNICAL SERVICES   - 8 Rose Avenue, Croydon 3136   Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)							Job No Report No Date Issued	21785 21785/R001 11/03/2022
Client WINS Project CORN Location WYNI	YTY LTD (CAMPBELLFIELD)				Tested by Date tested Checked by	BGG 10/12/21 JHF		
Feature EARTHWORKS		Layer thickness		200 mm		<i>Time:</i> 10:06		
Test procedure 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 b	elow FSL							
Measurement depth mm			175	175	175	-	-	-
Field wet densityt/m³Field moisture content%		<i>t/m³</i> %	1.91 25.5	1.90 24.3	1.92 24.6	-		-
Toot propoduro AS	1000 5 7 1							
	1289.5.7.1		1	2	3 Stan	- dard	-	-
Test No Compactive effort		mm			Stand		-	· ·
Test No Compactive effort Oversize rock retaine	ed on sieve	mm wet	19.0	19.0	Stand 19.0	dard		- -
Test No Compactive effort Oversize rock retaine Percent of oversize n	ed on sieve naterial	wet	19.0 0	19.0 0	Stand 19.0 0	dard -		- - -
Test No Compactive effort Oversize rock retaine Percent of oversize n Peak Converted Wet	ed on sieve naterial Density		19.0	19.0	Stand 19.0	dard - -		- - -
Test No Compactive effort Oversize rock retaine Percent of oversize n Peak Converted Wet Adjusted Peak Conve	ed on sieve naterial Density erted Wet Density	wet t/m³	19.0 0	19.0 0	Stand 19.0 0	dard - -		- - -
Test No	ed on sieve naterial Density erted Wet Density ontent	wet t/m³ t/m³	19.0 0 2.00	19.0 0 1.98 -	Stand 19.0 0 2.02 -	dard - - - -		- - -
Test No Compactive effort Oversize rock retaine Percent of oversize n Peak Converted Wet Adjusted Peak Conve Optimum Moisture Co	ed on sieve naterial Density erted Wet Density ontent riation From	wet t/m³ t/m³	19.0 0 2.00 - 28.0	19.0 0 1.98 - 26.5	Stand 19.0 0 2.02 - 27.0	dard - - - -		- - -

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

Approved Signatory : Justin Fry

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