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

1st October 2021

Our Reference: 21235:NB1066

Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING
EYNESBURY – STAGE 6A (EYNESBURY)

Please find attached our Report No's 21235/R001 to 21235/R004 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 was performed in April 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).

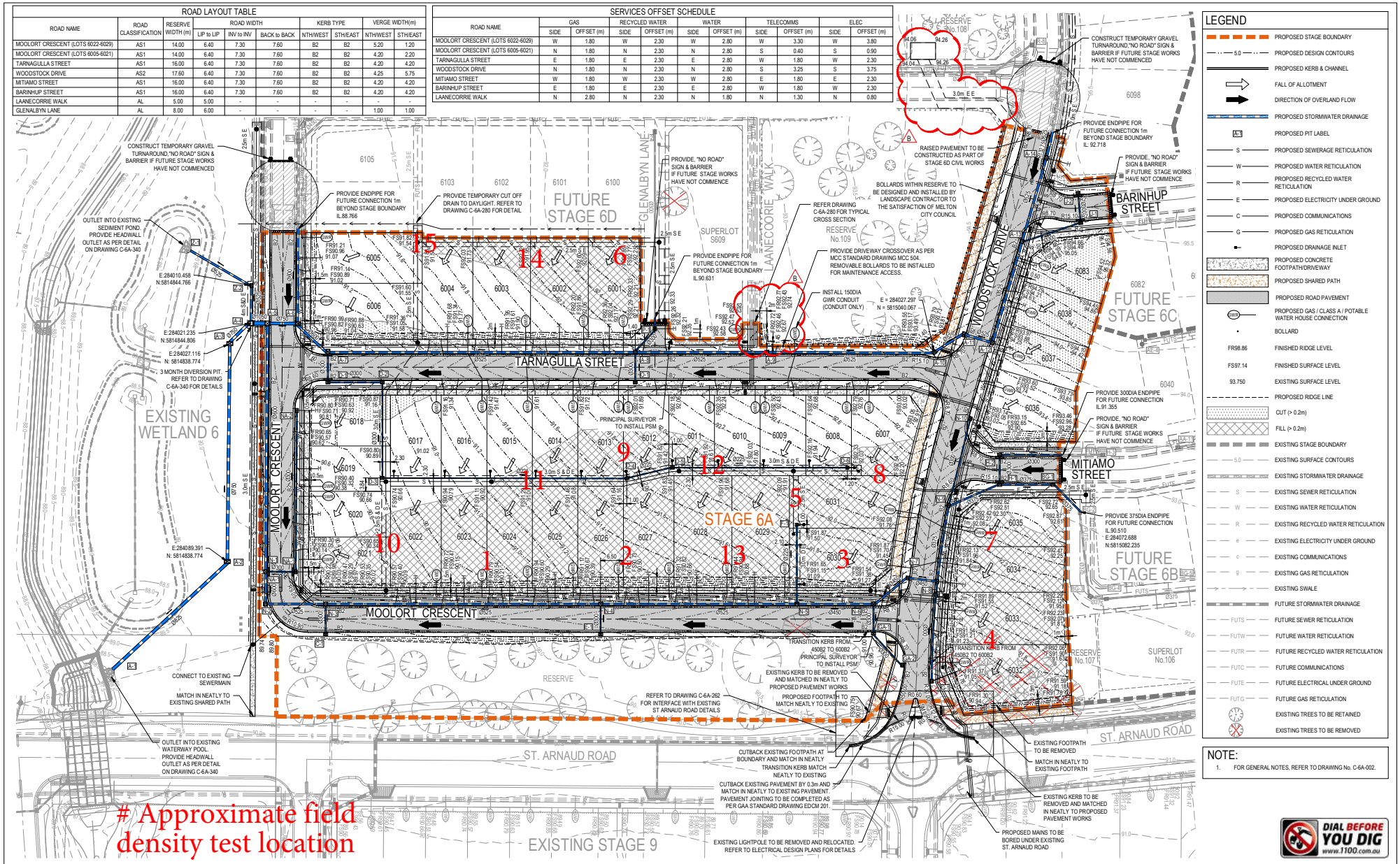
We are of the view that the bulk fill materials that have been placed across the reported allotments by Winslow Constructors during the aforementioned period can be considered as having been placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

Nick Brock

FIGURE 1



Issue	Description	By	Ckd	PM	Date
B	KIOSK RELOCATION & LAANCOORIE WALK GRADED AWAY FROM SUPERLOTS	WB	ZS	JM	09.03.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	JM	15.02.21
04	ROAD NAMING UPDATED FOR MITIAMO STREET	WB	ZS	JM	10.02.21
03	CHANGES TO ST. ARNAUD SERVICES & MAJORCA LANEWAY SERVICES	WB	ZS	JM	20.01.21
02	UPDATES TO ADDRESS COUNCIL AND LANDSCAPE COMMENTS	WB	ZS	JM	26.11.20
01	ISSUED FOR APPROVAL	WB	ZS	JM	16.10.20

Scale: 0 5 10 20 30 40 50m — 1 : 500

Planner: RobertsDay planning·design·place

Filename C-06a-220-10029435-Roadworks&DrainagePlan.dwg

Client: RESIMAX GROUP

Status: FOR CONSTRUCTION

Checker: Z.STROGUSZ

Scales: 1:500 | Original Size: A1 | Height Datum: AHD | Grid: MGA

Original Issue Signatures: Drawn W.BUMAGAT; Designed K.ANGELES; Project Manager J.MUNRO

Project: EYNESBURY TOWNSHIP STAGE 6A

Title: ROADWORKS AND DRAINAGE LAYOUT PLAN

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No. C-6A-220 — Project No. 10029435 — Issue B

Last Saved: REGLOSK2907 Date Plotted: 9 Mar 2021 - 10:12AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-06\10029435-06Ac-06a-220-10029435-Roadworks&DrainagePlan.dwg V1

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

		Job No	21235
		Report No	21235/R001
		Date Issued	22/09/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	WS
Project	EYNESBURY - STAGE 6A	*Date tested*	19/04/21
Location	EYNESBURY	*Checked by*	JHF

Feature **EARTHWORKS** *Layer thickness* 200 mm *Time:* 11:30

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 below FSL							
Measurement depth	*mm*	175	175	175	-	-	-
Field wet density	*t/m³*	1.87	1.81	1.86	-	-	-
Field moisture content	*%*	29.4	32.2	29.1	-	-	-

Test procedure AS 1289.5.7.1

Test No		1	2	3	-	-	-
Compactive effort		Standard					
Oversize rock retained on sieve	*mm*	19.0	19.0	19.0	-	-	-
Percent of oversize material	*wet*	0	0	0	-	-	-
Peak Converted Wet Density	*t/m³*	1.92	1.87	1.92	-	-	-
Adjusted Peak Converted Wet Density	*t/m³*	-	-	-	-	-	-
Optimum Moisture Content	*%*	30.0	32.5	31.0	-	-	-

Moisture Variation From Optimum Moisture Content	0.5% dry	0.0%	2.0% dry	-	-	-

Density Ratio (R_{HD})	*%*	**97.5**	**96.5**	**97.0**	**-**	**-**	**-**

Material description

No 1 - 3 Clay Fill

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

		Job No	21235
		Report No	21235/R002
		Date Issued	25/05/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	WS
Project	EYNESBURY - STAGE 6A	*Date tested*	20/04/21
Location	EYNESBURY	*Checked by*	JHF

Feature **EARTHWORKS** *Layer thickness* 200 mm *Time:* 11:00

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		**4**	**5**	**6**	**-**	**-**	**-**
Location		REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1			
Approximate depth below FSL							
Measurement depth	*mm*	175	175	175	-	-	-
Field wet density	*t/m³*	1.90	1.95	1.93	-	-	-
Field moisture content	*%*	27.7	23.6	23.5	-	-	-

Test procedure AS 1289.5.7.1

Test No		4	5	6	-	-	-
Compactive effort		Standard					
Oversize rock retained on sieve	*mm*	19.0	19.0	19.0	-	-	-
Percent of oversize material	*wet*	0	0	0	-	-	-
Peak Converted Wet Density	*t/m³*	1.95	1.97	1.96	-	-	-
Adjusted Peak Converted Wet Density	*t/m³*	-	-	-	-	-	-
Optimum Moisture Content	*%*	26.5	24.0	24.0	-	-	-

Moisture Variation From Optimum Moisture Content	1.0% wet	0.0%	0.5% dry	-	-	-

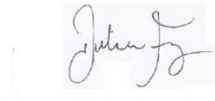
Density Ratio (R_{HD})	*%*	**97.5**	**99.5**	**98.5**	**-**	**-**	**-**

Material description

No 4 - 6 Clay Fill

AVRLOT HILF V1.10 MAR 13

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



Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

		Job No	21235
		Report No	21235/R003
		Date Issued	12/05/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	WS
Project	EYNESBURY - STAGE 6A	*Date tested*	21/04/21
Location	EYNESBURY	*Checked by*	JHF

Feature **EARTHWORKS** *Layer thickness* 200 mm *Time:* 09:00

Test procedure 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			
Approximate depth below FSL							
Measurement depth	*mm*	175	175	175	-	-	-
Field wet density	*t/m³*	1.85	1.80	1.77	-	-	-
Field moisture content	*%*	30.5	30.0	26.0	-	-	-

Test procedure AS 1289.5.7.1

Test No		7	8	9	-	-	-
Compactive effort		Standard					
Oversize rock retained on sieve	*mm*	19.0	19.0	19.0	-	-	-
Percent of oversize material	*wet*	0	0	0	-	-	-
Peak Converted Wet Density	*t/m³*	1.82	1.82	1.85	-	-	-
Adjusted Peak Converted Wet Density	*t/m³*	-	-	-	-	-	-
Optimum Moisture Content	*%*	33.0	32.0	28.5	-	-	-

Moisture Variation From Optimum Moisture Content	2.5% dry	2.0% dry	2.5% dry	-	-	-

Density Ratio (R_{HD})	*%*	**102.0**	**98.5**	**96.0**	**-**	**-**	**-**

Material description

No 7 - 9 Clay Fill

AVRLOT HILF V1.10 MAR 13

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

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

		Job No	21235
		Report No	21235/R004
		Date Issued	28/04/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	WS
Project	EYNESBURY - STAGE 6A	*Date tested*	22/04/21
Location	EYNESBURY	*Checked by*	JHF

Feature **EARTHWORKS** *Layer thickness* 200 mm *Time:* 09:30

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		**10**	**11**	**12**	**13**	**14**	**15**
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
Approximate depth below FSL							
Measurement depth	*mm*	175	175	175	175	175	175
Field wet density	*t/m³*	1.90	1.90	1.85	1.84	1.88	1.90
Field moisture content	*%*	25.5	24.9	25.3	27.8	28.8	27.5

Test procedure AS 1289.5.7.1

Test No		10	11	12	13	14	15
Compactive effort		Standard					
Oversize rock retained on sieve	*mm*	19.0	19.0	19.0	19.0	19.0	19.0
Percent of oversize material	*wet*	0	0	0	0	0	0
Peak Converted Wet Density	*t/m³*	1.91	1.90	1.89	1.86	1.90	1.91
Adjusted Peak Converted Wet Density	*t/m³*	-	-	-	-	-	-
Optimum Moisture Content	*%*	26.5	27.5	27.0	30.0	29.5	28.0

Moisture Variation From Optimum Moisture Content		1.0% dry	2.5% dry	2.0% dry	2.0% dry	0.5% dry	0.5% dry
Density Ratio (R_{HD})	*%*	**99.5**	**100.0**	**98.0**	**99.5**	**99.0**	**99.5**

Material description

No 10 - 15 Clay Fill

AVRLOT HILF V1.10 MAR 13

Approved Signatory : Justin Fry