



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

4th December 2021

Our Reference: 21237:NB1111

Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

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

Please find attached our Report No 21237/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 November 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).

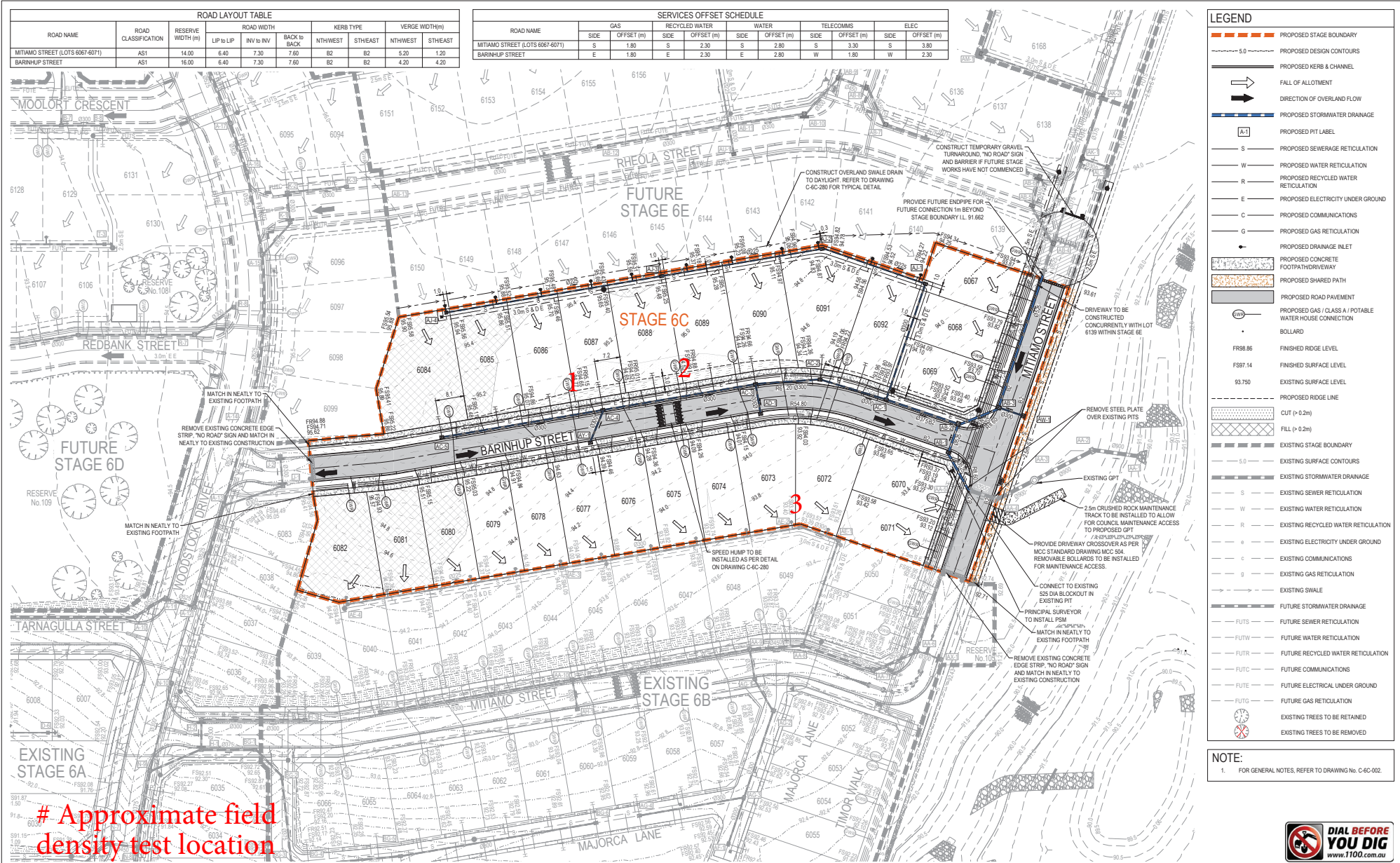
Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

A handwritten signature in blue ink, appearing to be 'Nick Brock', is written over a light blue circular stamp.

Nick Brock

FIGURE 1



Approximate field density test location

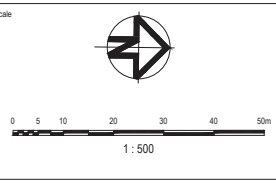
ROAD LAYOUT TABLE								
ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH		KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	INV to INV	NTHWEST	STHEAST	NTHWEST	STHEAST
MITIAMO STREET (LOTS 6067-6071)	AS1	14.00	6.40	7.30	7.60	B2	B2	5.20 1.20
BARINHUP STREET	AS1	16.00	6.40	7.30	7.60	B2	B2	4.20 4.20

SERVICES OFFSET SCHEDULE										
ROAD NAME	GAS		RECYCLED WATER		WATER		TELECOMMS		ELEC	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
MITIAMO STREET (LOTS 6067-6071)	S	1.80	S	2.30	S	2.80	S	3.30	S	3.80
BARINHUP STREET	E	1.80	E	2.30	E	2.80	W	1.80	W	2.30

LEGEND	
	PROPOSED STAGE BOUNDARY
	PROPOSED DESIGN CONTOURS
	PROPOSED KERB & CHANNEL
	FALL OF ALLOTMENT
	DIRECTION OF OVERLAND FLOW
	PROPOSED STORMWATER DRAINAGE
	PROPOSED PIT LABEL
	PROPOSED SEWERAGE RETICULATION
	PROPOSED WATER RETICULATION
	PROPOSED RECYCLED WATER RETICULATION
	PROPOSED ELECTRICITY UNDER GROUND
	PROPOSED COMMUNICATIONS
	PROPOSED GAS RETICULATION
	PROPOSED DRAINAGE INLET
	PROPOSED CONCRETE FOOTPATH/DRIVEWAY
	PROPOSED SHARED PATH
	PROPOSED ROAD PAVEMENT
	PROPOSED GAS / CLASS A / POTABLE WATER HOUSE CONNECTION
	BOLLARD
	FR58.86 FINISHED RIDGE LEVEL
	FS97.14 FINISHED SURFACE LEVEL
	93.750 EXISTING SURFACE LEVEL
	PROPOSED RIDGE LINE
	CUT (> 0.2m)
	FILL (> 0.2m)
	EXISTING STAGE BOUNDARY
	EXISTING SURFACE CONTOURS
	EXISTING STORMWATER DRAINAGE
	EXISTING SEWER RETICULATION
	EXISTING WATER RETICULATION
	EXISTING RECYCLED WATER RETICULATION
	EXISTING ELECTRICITY UNDER GROUND
	EXISTING COMMUNICATIONS
	EXISTING GAS RETICULATION
	EXISTING SWALE
	FUTURE STORMWATER DRAINAGE
	FUTURE SEWER RETICULATION
	FUTURE WATER RETICULATION
	FUTURE RECYCLED WATER RETICULATION
	FUTURE COMMUNICATIONS
	FUTURE ELECTRICAL UNDER GROUND
	FUTURE GAS RETICULATION
	EXISTING TREES TO BE RETAINED
	EXISTING TREES TO BE REMOVED

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. C-6C-002.

Issue	Description	By	Ckd	PL	Date
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	ZAM	09.03.21
02	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	JM	05.02.21
01	ISSUED FOR APPROVAL	WB	ZS	JM	25.11.20



Planner
RD RobertsDay
planning.design.place

Client
RESIMAX
GROUP

Status: FOR APPROVAL
CONSTRUCTION SUBJECT TO APPROVAL
Verifier: Z-STROGUSZ
Original Issue Signatures
Original Size: A1
Height Datum: AHD
Grid: MGA

Project: EYNSBURY TOWNSHIP
STAGE 6C
Title: ROADWORKS AND DRAINAGE
LAYOUT PLAN

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ASN 76 104 455 288
Tel No: +61 3 8623 4000
www.arcadis.com
Drawing No. C-6C-220
Project No. 10029435
Issue 03



COMPACTION ASSESSMENT

Job No 21237
 Report No 21237/R001
 Date Issued 03/12/2021

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	WS
Project	EYNESBURY - STAGE 6C	Date tested	30/11/21
Location	EYNESBURY	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time: 10:00
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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/m ³	1.80	1.77	1.73	-	-
Field moisture content	%	18.8	18.0	18.1	-	-

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/m ³	1.85	1.82	1.82	-	-
Adjusted Peak Converted Wet Density	t/m ³	-	-	-	-	-
Optimum Moisture Content	%	20.5	20.0	20.0	-	-

Moisture Variation From Optimum Moisture Content	2.0% dry	2.0% dry	1.5% dry	-	-	-
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R _{HD})	%	97.0	97.0	95.0	-	-
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Material description

No 1 - 3 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