



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

4th October 2021

Our Reference: 21479:NB1078

Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

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

Please find attached our Report No's 21479/R001 to 21479/R002 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 July 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).

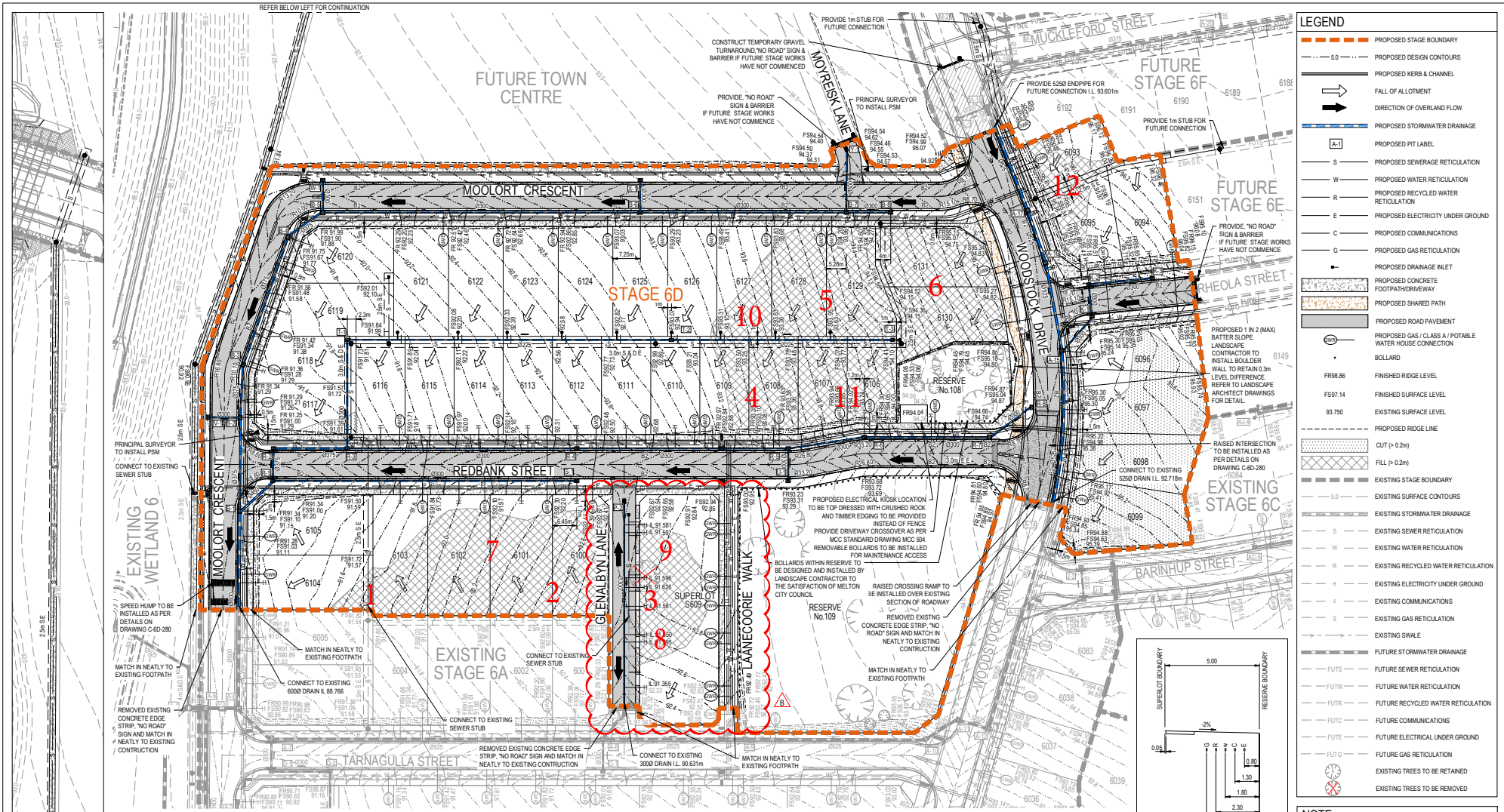
Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

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

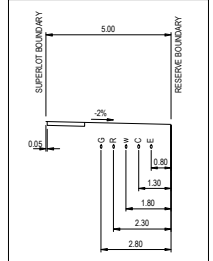
Nick Brock

FIGURE 1



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
	FR98.86 FINISHED ROAD LEVEL
	FS97.14 FINISHED SURFACE LEVEL
	93.750 EXISTING SURFACE LEVEL
	PROPOSED RIDGE LINE
	CUT (p 0.2m)
	FILL (p 0.2m)
	EXISTING STAGE BOUNDARY
	EXISTING STAGE 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-60-002.



LAANECORIE WALK
TYPICAL SECTION
SCALE: 1:100

ROAD LAYOUT TABLE										
ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH	LIP to LIP	INV to INV	BACK to BACK	KERB TYPE		VERGE WIDTH (m)	
							NTHWEST	STHEAST	NTHWEST	STHEAST
MOOLORT CRESENT (LOTS 6104-6120)	AS1	14.00	6.40	7.30	7.50	7.50	B2	B2	4.20	2.20
MOOLORT CRESENT (LOTS 6121-6129)	AS1	16.00	6.40	7.30	7.60	7.60	B2	B2	4.20	4.20
RHEOLA STREET	AS1	16.00	6.40	7.30	7.60	7.60	B2	B2	4.20	4.20
REDBANK STREET	AS1	16.00	6.40	7.30	7.60	7.60	B2	B2	4.20	4.20
WOODSTOCK DRIVE	AS2	17.60	6.40	7.30	7.60	7.60	B2	B2	4.25	5.75
GLENALBYN LANE	AL	8.00	6.00	-	-	-	-	-	1.00	1.00
MOYRESK LANE	AL	8.00	6.00	-	-	-	-	-	1.00	1.00

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)
MOOLORT CRESENT (LOTS 6104-6120)	E	1.80	N	2.30	N	2.80	S	0.40	S	0.50
MOOLORT CRESENT (LOTS 6121-6129)	E	1.80	E	2.30	E	2.80	W	1.80	W	2.30
RHEOLA STREET	E	1.80	E	2.30	E	2.80	W	1.80	W	2.30
REDBANK STREET	W	1.80	W	2.30	W	2.80	E	1.80	E	2.30
WOODSTOCK DRIVE	N	1.80	N	2.30	N	2.80	S	3.25	S	3.75
LAANECORIE WALK	N	2.80	N	2.30	N	1.80	N	1.30	N	0.80

Approximate field density test location

Scale: 1:500

Issue	Description	By	Chk	PM	Date
B	UPDATES TO SUPERLOT S609	CM	ZS	JM	10.06.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	JM	31.05.21
02	RESPONSE TO COUNCIL COMMENTS	WB	ZS	JM	10.05.21
03	KIOSK RELOCATION & UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	JM	12.03.21
01	ISSUED FOR APPROVAL	WB	ZS	JM	12.02.21

Planner

RobertsDay
planning-design-place

Client

RESIMAX
GROUP

Filename: C:\66-220-10029435-Roadworks&DrainagePlan.dwg

Status: FOR CONSTRUCTION

Checker: Z.STROGUSZ

Scales: 1:500

Original Size: A1

Height Datum: AHD

Grid: MGA

Project: EYNEBURY TOWNSHIP STAGE 6D

Title: ROADWORKS AND DRAINAGE LAYOUT PLAN

Project Manager: J.MUNRO

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ARCADIS

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Drawing No: C-6D-220
Project No: 10029435
Issue: B

Last Saved: MENEZC2027 Date Plotted: 9 Jun 2021 - 01:45PM File Name: C:\1265W\dal\AUS\Y01\A004\10029435-Eynesbury_46D-DigEng\DA-CAD\DA-Drawing\10029435-06D-C-66-220-10029435-Roadworks&DrainagePlan.dwg



COMPACTION ASSESSMENT

Job No 21479
 Report No 21479/R001
 Date Issued 22/09/2021

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	WS
Project	EYNESBURY - STAGE 6D	Date tested	21/07/21
Location	EYNESBURY	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time: 07:45
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No		1	2	3	4	5	6
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/m ³	1.90	1.91	1.83	1.83	1.84	1.87
Field moisture content	%	26.4	26.2	26.1	27.4	26.5	24.5

Test procedure AS 1289.5.7.1

Test No		1	2	3	4	5	6
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/m ³	1.95	1.95	1.91	1.90	1.92	1.95
Adjusted Peak Converted Wet Density	t/m ³	-	-	-	-	-	-
Optimum Moisture Content	%	29.0	28.5	29.0	28.5	27.5	25.0

Moisture Variation From Optimum Moisture Content	2.5% dry	2.0% dry	2.5% dry	1.0% dry	1.0% dry	0.5% dry
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Density Ratio (R _{HD})	%	97.0	98.5	96.0	96.5	95.5	95.5
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Material description

No 1 - 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

Job No 21479
 Report No 21479/R002
 Date Issued 07/08/2021

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	EYNESBURY - STAGE 6D	Date tested	29/07/21
Location	EYNESBURY	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time: 15:55
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No		7	8	9	10	11	12
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/m ³	1.77	1.78	1.77	1.73	1.77	1.78
Field moisture content	%	31.1	28.7	27.2	24.7	27.6	29.4

Test procedure AS 1289.5.7.1

Test No		7	8	9	10	11	12
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/m ³	1.78	1.80	1.78	1.78	1.81	1.81
Adjusted Peak Converted Wet Density	t/m ³	-	-	-	-	-	-
Optimum Moisture Content	%	33.0	31.0	29.5	27.0	30.0	31.5

Moisture Variation From Optimum Moisture Content	2.0% dry	2.5% dry	2.5% dry	2.5% dry	2.5% dry	2.0% dry
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Density Ratio (R _{HD})	%	99.5	98.5	99.0	97.0	97.5	98.5
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Material description

No 7 - 12 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