



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

26th February 2020

Our Reference: 19766:NB680

Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

**RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING
EYNESBURY – STAGE 11A4 (EYNESBURY)**

Please find attached our Report No 19766/R001 which relates 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 was performed in February 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).

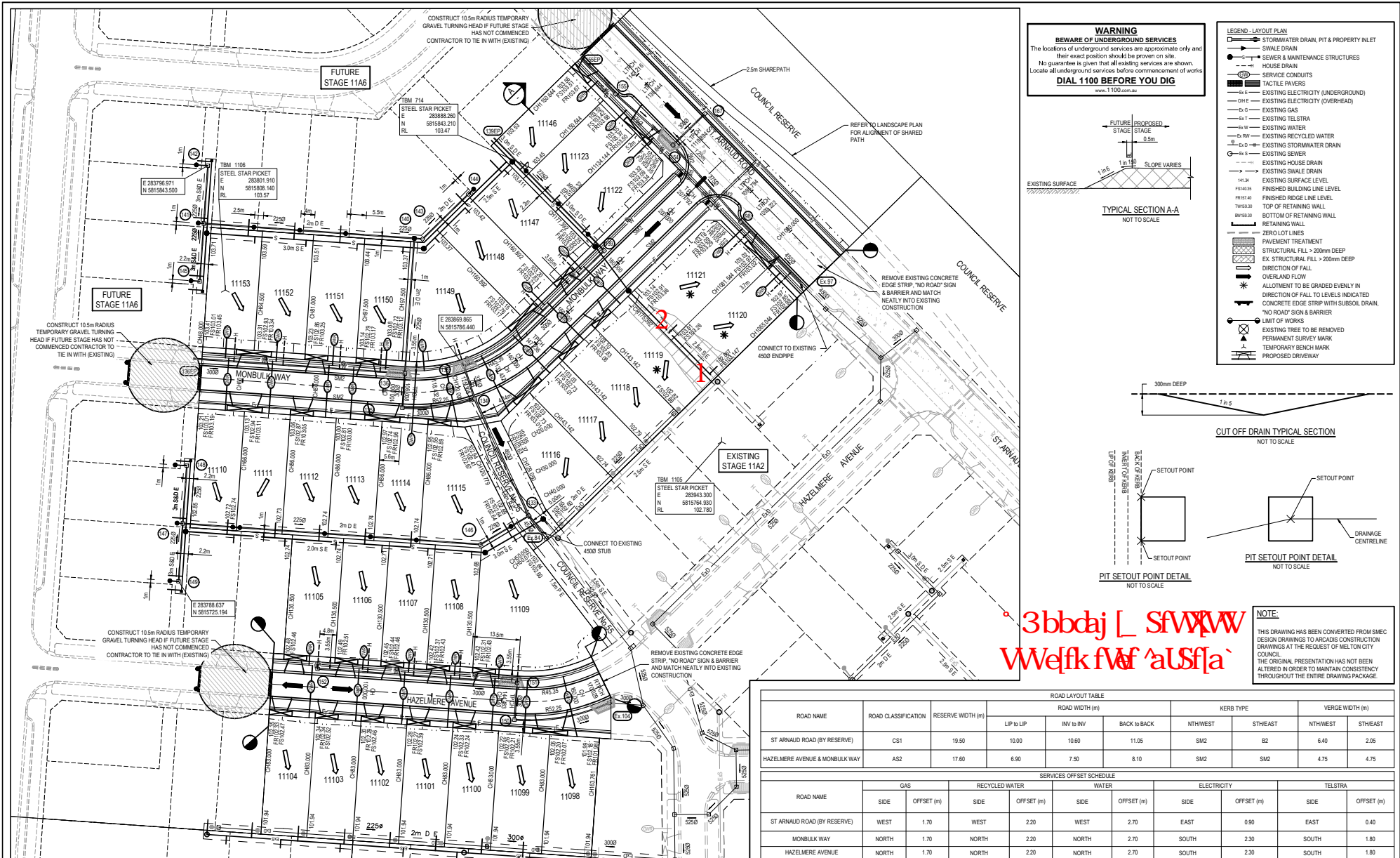
Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

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

Nick Brock

FIGURE 1



3bbdaj [SfVWVW
Wwefk fWf 'aUSfja'

NOTE:
THIS DRAWING HAS BEEN CONVERTED FROM SMC DESIGN DRAWINGS TO ARCADIS CONSTRUCTION DRAWINGS AT THE REQUEST OF MELTON CITY COUNCIL. THE ORIGINAL PRESENTATION HAS NOT BEEN ALTERED IN ORDER TO MAINTAIN CONSISTENCY THROUGHOUT THE ENTIRE DRAWING PACKAGE.

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	INV to INV	BACK to BACK	NTHWEST	STHEAST	NTHWEST	STHEAST
ST ARNAUD ROAD (BY RESERVE)	CS1	19.50	10.00	10.60	11.05	SM2	B2	6.40	2.05
HAZELMERE AVENUE & MONBULK WAY	AS2	17.60	6.50	7.50	8.10	SM2	SM2	4.75	4.75

ROAD NAME	GAS		RECYCLED WATER		WATER		ELECTRICITY		TELSTRA	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
ST ARNAUD ROAD (BY RESERVE)	WEST	1.70	WEST	2.20	WEST	2.70	EAST	0.90	EAST	0.40
MONBULK WAY	NORTH	1.70	NORTH	2.20	NORTH	2.70	SOUTH	2.30	SOUTH	1.80
HAZELMERE AVENUE	NORTH	1.70	NORTH	2.20	NORTH	2.70	SOUTH	2.30	SOUTH	1.80

Scale: 1:500

Issue Log:

Issue	Description	By	Chk	PM	Date
03	ADDITION OF GAS & WATER CONDUIT IN LOT 1114	SH	ZS	JM	15.04.19
02	TACTILE LAYOUT UPDATED	HM	ZS	JM	08.03.19
01	ISSUED FOR CONSTRUCTION	RT	ZS	JM	08.02.19

Surveyor: _____

Client: EYNEBURY TOWNSHIP

Architect: _____

Filename: 0520E-11A4-02.dwg

FOR CONSTRUCTION
ISSUED FOR CONSTRUCTION

Approved: _____

Scales: 1:500

Original Size: **A1**

Weight: AHD

Grid: MGA

Project: EYNEBURY TOWNSHIP
STAGE 11A4
CITY OF MELTON
ROADWORKS AND DRAINAGE

Title: LAYOUT PLAN

Project Manager: J.MUNRO

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Drawing No: **02** Project No: **0520E-11A4** Issue: **03**

Project: EYNEBURY TOWNSHIP
STAGE 11A4
CITY OF MELTON
ROADWORKS AND DRAINAGE

Title: LAYOUT PLAN



COMPACTION ASSESSMENT

Job No 19766
 Report No 19766/R001
 Date Issued 26/02/2020

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	BS
Project	EYNESBURY - STAGE 11A4	Date tested	14/02/20
Location	EYNESBURY	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time: 11:44
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	1	2	-	-	-	-
Location	REFER TO FIGURE 1	REFER TO FIGURE 1				
Approximate depth below FSL						
Measurement depth	mm	175	175	-	-	-
Field wet density	t/m ³	1.82	1.81	-	-	-
Field moisture content	%	17.6	17.3	-	-	-

Test procedure AS 1289.5.7.1

Test No	1	2	-	-	-	-
Compactive effort	Standard					
Oversize rock retained on sieve	mm	19.0	19.0	-	-	-
Percent of oversize material	wet	0	0	-	-	-
Peak Converted Wet Density	t/m ³	1.86	1.86	-	-	-
Adjusted Peak Converted Wet Density	t/m ³	-	-	-	-	-
Optimum Moisture Content	%	20.0	20.0	-	-	-

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

No 1 - 2 Clay Fill

AVRLOT HILF V1.10 MAR 13



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

Accreditation No 9909

Approved Signatory : Justin Fry