



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: 19765:NB679

Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

**RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING
EYNESBURY – STAGE 11A3 (EYNESBURY)**

Please find attached our Report No 19765/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).

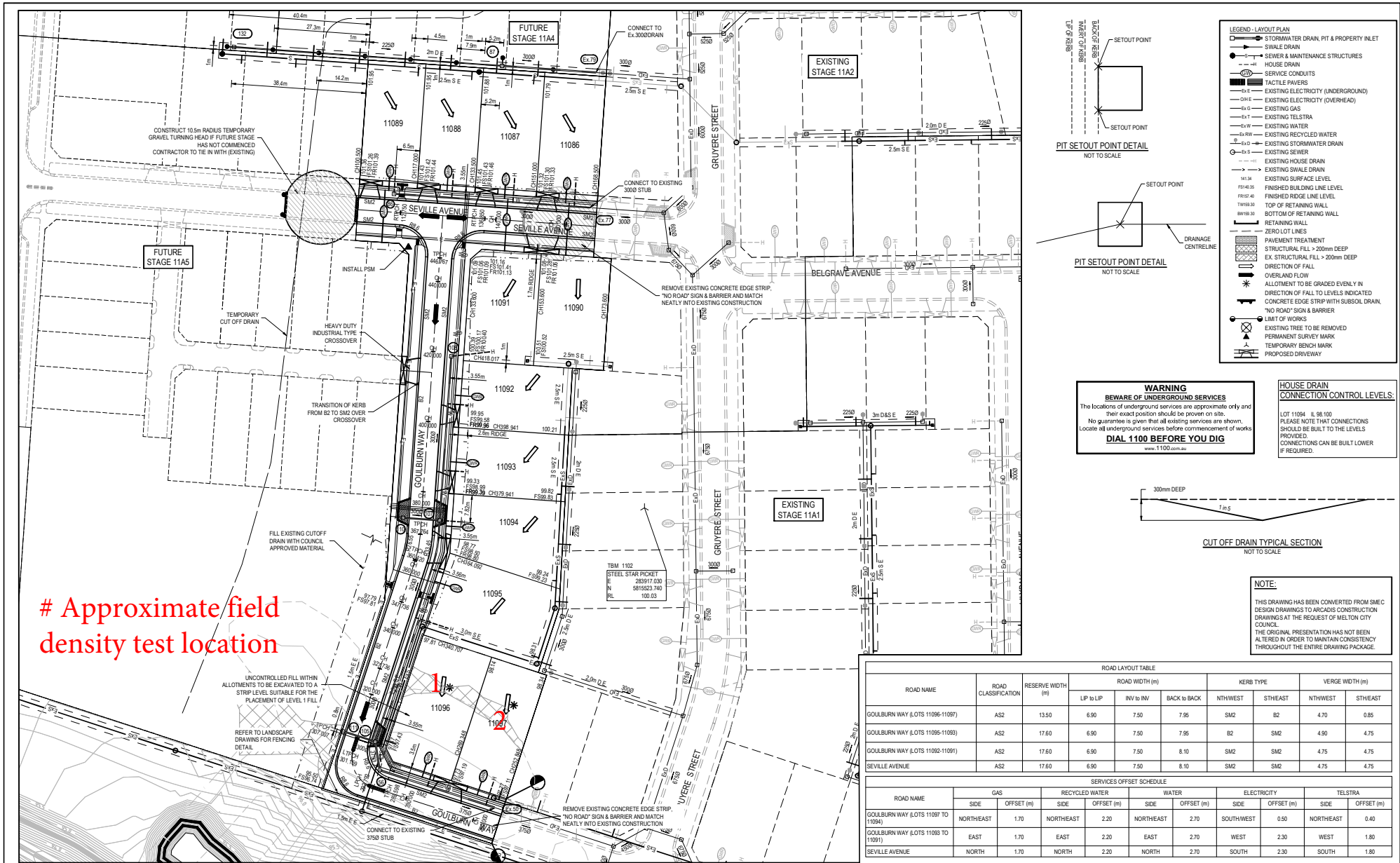
Please contact the undersigned if you require any additional information.

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



LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY

PIT SETOUT POINT DETAIL
NOT TO SCALE

PIT SETOUT POINT DETAIL
NOT TO SCALE

CUT OFF DRAIN TYPICAL SECTION
NOT TO SCALE

HOUSE DRAIN CONNECTION CONTROL LEVELS:

LOT 1104 IL 88.100
PLEASE NOTE THAT CONNECTIONS SHOULD BE BUILT TO THE LEVELS PROVIDED. CONNECTIONS CAN BE BUILT LOWER IF REQUIRED.

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

NOTE:
THIS DRAWING HAS BEEN CONVERTED FROM SMEC 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 LAYOUT TABLE									
ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	R/W to R/W	BACK to BACK	NTHWEST	STEAST	NTHWEST	STEAST
GOULBURN WAY (LOTS 11086-11091)	AS2	13.50	6.90	7.50	7.95	SM2	B2	4.70	0.85
GOULBURN WAY (LOTS 11095-11093)	AS2	17.60	6.90	7.50	7.95	B2	SM2	4.90	4.75
GOULBURN WAY (LOTS 11092-11091)	AS2	17.60	6.90	7.50	8.10	SM2	SM2	4.75	4.75
SEVILLE AVENUE	AS2	17.60	6.90	7.50	8.10	SM2	SM2	4.75	4.75

SERVICES OFFSET SCHEDULE											
ROAD NAME	SIDE	GAS		RECYCLED WATER		WATER		ELECTRICITY		TELSTRA	
		OFFSET (m)	DEPTH (m)	OFFSET (m)	DEPTH (m)	OFFSET (m)	DEPTH (m)	OFFSET (m)	DEPTH (m)	OFFSET (m)	DEPTH (m)
GOULBURN WAY (LOTS 11097 TO 11094)	NORTHEAST	1.70	NORTHEAST	2.20	NORTHEAST	2.70	SOUTHWEST	0.50	NORTHEAST	0.40	
GOULBURN WAY (LOTS 11093 TO 11091)	EAST	1.70	EAST	2.20	EAST	2.70	WEST	2.30	WEST	1.80	
SEVILLE AVENUE	NORTH	1.70	NORTH	2.20	NORTH	2.70	SOUTH	2.30	SOUTH	1.80	

Issue	Description	By	Chk	PM	Date
03	UPDATED TO SHOW UTILITIES	SH	ZS	JM	15.04.19
02	TACTILE LAYOUT UPDATED	HM	ZS	JM	08.03.19
01	ISSUED FOR CONSTRUCTION	RT	ZS	JM	01.02.19

Scale

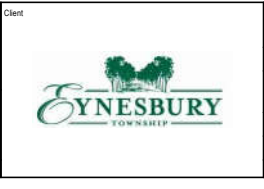
Scale: 1:500

Surveyor

Client

Architect

Filename: 0520E-11A3-Q2.dwg



Status: **FOR CONSTRUCTION**
ISSUED FOR CONSTRUCTION

Approved

Scales: 1:500

Original Size: **A1**

Weight Datum: AHD

Grid: MGA

Original Issue Signatures

Drawn: R.TAI

Designed: Z.STROGOSZ

Project Manager: J.MUNRO

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Project: **EYNEBURY TOWNSHIP**
STAGE 11A3
CITY OF MELTON
ROADWORKS AND DRAINAGE

Title: **LAYOUT PLAN**

ARCADIS

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www.arcadis.com

Drawing No: **02** Project No: **0520E-11A3** Issue: **03**



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Job No 19765
Report No 19765/R001
Date Issued 26/02/2020

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	BS
Project	EYNESBURY - STAGE 11A3	Date tested	14/02/20
Location	EYNESBURY	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time:	11:40
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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	1.80	1.79	-	-	-
Field moisture content	%	34.5	1.2	-	-	-

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	1.84	-	-	-
Adjusted Peak Converted Wet Density	t/m ³	-	-	-	-	-
Optimum Moisture Content	%	37.0	3.5	-	-	-

Moisture Variation From Optimum Moisture Content	2.5% dry	2.5% dry	-	-	-	-
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Density Ratio (R _{HD})	%	96.5	97.5	-	-	-
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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