



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

10th August 2022

Our Reference: 22198:NB1269

Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING
ASPIRE – STAGE 27A (PLUMPTON)

Please find attached our Report No 22198/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 August 2022.

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).

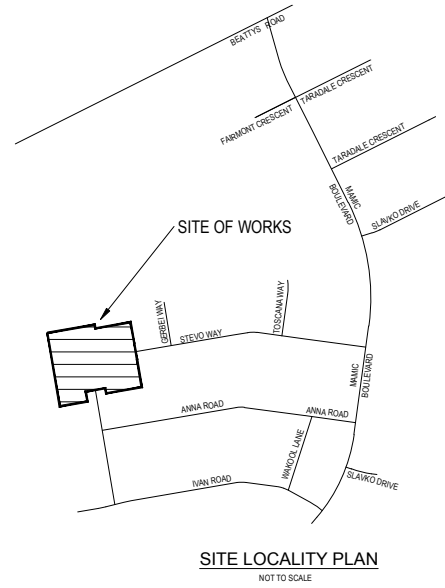
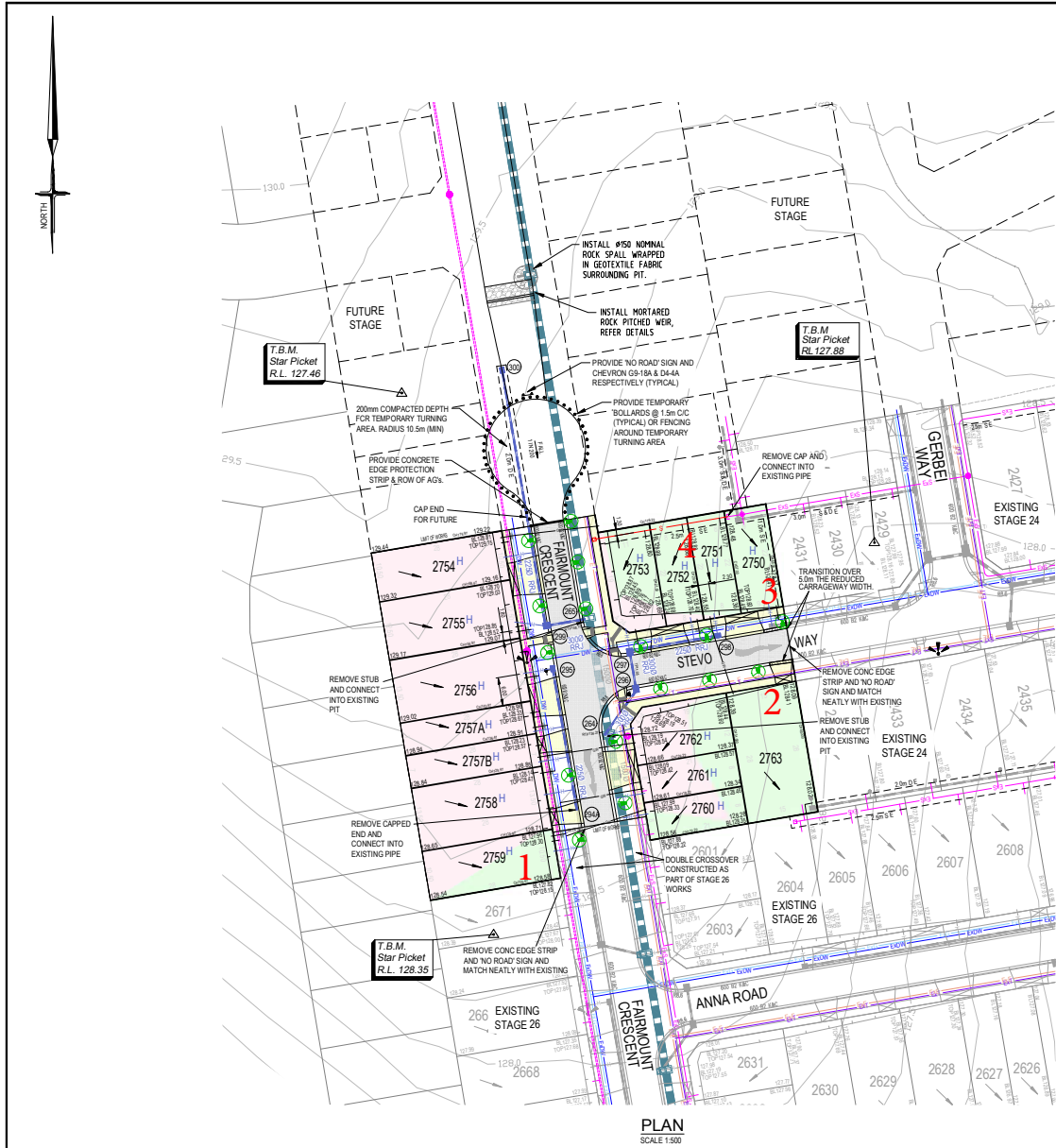
Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

A handwritten signature in blue ink, appearing to be 'Nick Brock', written in a cursive style.

Nick Brock

FIGURE 1



SHEET INDEX

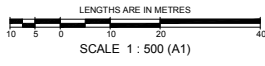
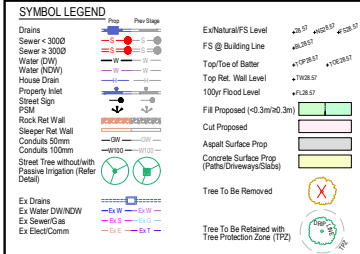
SHT No.	VER	Description
1	B	LAYOUT PLAN
2	B	TYPICAL CROSS SECTIONS
3	A	ROAD PAVEMENT DETAILS & NOTES
4	A	INTERSECTION DETAIL PLANS
5	A	LONGITUDINAL & CROSS SECTIONS FAIRMOUNT CRESCENT
6	A	LONGITUDINAL & CROSS SECTIONS STEVO WAY
7	A	DRAINAGE LONGITUDINAL SECTIONS DRAINAGE PIT DETAILS
8	A	SIGNAGE & LINEMARKING PLAN
9	A	PASSIVE IRRIGATION PLAN
10	A	MOBILITY PLAN
11	A	DRAINAGE CHANNEL DETAILS
12	A	EARTHWORKS PLAN

NOTE:
KERB CUTOFF FOR PASSIVE IRRIGATION. REFER TO DETAIL ON SHEET 9. FINAL STREET PIT LOCATION TO BE COORDINATED WITH LANDSCAPE DRAWINGS.

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION 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.

PRELIMINARY LEVELS TO BE ADJUSTED DURING THE DETAILED DESIGN PHASE ONCE MW DRAINAGE SCHEME AND OVERLAND FLOWS HAVE BEEN APPROVED.

Approximate field density test location



SERVICE OFFSETS AND LOCATION TABLE

Location	Gas		Water		Telecommunications		Electricity		BOK	Road Width	Joint Trenching	Street Classification
	N/DW	DW	Cables	Pis	Cables	Poles						
STEVO WAY	2.10 N		2.60 N	1.80 S	1.80 S	2.30 S	1.00 BOK	4.20 N 4.20 S	6.20 W	6.20 W	16.00	GBW, FTH&E ACCESS PLACE
FAIRMOUNT CRESCENT	2.10 W		2.60 W	1.85 E	2.50 E	2.50 E	2.20 BOK	4.20 N 4.20 S	6.20 W	6.20 W	20.00	GBW, FTH&E ACCESS PLACE

NOTE: * OFFSET FROM BACK OF KERB

ATTENTION TO CONTRACTOR
1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM CO-ORDINATES SHOWN.
2. WHERE CONCRETE WORKS ABOUT A SEWER ACCESS CHAMBER SURROUND OR SIMILAR STRUCTURE, AN EXPANSION JOINT OF APPROVAL MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES.

ASSESSMENTS						bresse pitt dixon pty. ltd. land surveyors civil engineers	1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
	MELWAY REF.	354-C-12						
	10.12.2021	SERVICE OFFSET SCHEDULE AMENDED	SURVEY	BPD	ASPIRE ESTATE STAGE 27A LAYOUT PLAN	MUNICIPALITY MELTON	REFERENCE 8226 E/27A	
	04.11.2021	CONSTRUCTION ISSUE	DESIGN	J.B				
VER	DATE	REMARKS	CHECKED	C.H				SCALE AS SHOWN



COMPACTION ASSESSMENT

Job No 22198
 Report No 22198/R001
 Date Issued 10/08/2022

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	ASPIRE - STAGE 27A	Date tested	04/08/22
Location	PLUMPTON	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time: 14:37
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No		1	2	3	4	-	-
Location		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	-	-
Field wet density	t/m ³	1.91	1.92	1.92	1.95	-	-
Field moisture content	%	20.5	27.9	20.0	17.5	-	-

Test procedure AS 1289.5.7.1

Test No		1	2	3	4	-	-
Compactive effort		Standard					
Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	-	-
Percent of oversize material	wet	0	0	0	0	-	-
Peak Converted Wet Density	t/m ³	1.92	1.94	1.97	1.98	-	-
Adjusted Peak Converted Wet Density	t/m ³	-	-	-	-	-	-
Optimum Moisture Content	%	21.0	30.5	22.5	20.0	-	-

Moisture Variation From Optimum Moisture Content	0.0%	2.5% dry	2.5% dry	2.5% 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})	%	99.0	99.5	97.5	98.5	-	-
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Material description

No 1 - 4 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