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

19th May 2021

Our Reference: 21317:NB953

Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING
GRACE – STAGE 2A (TARNEIT)

Please find attached our Report No 21317/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 was performed in May 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

Nick Brock

FIGURE 1

Approximate field density test location

NOTES

1. CONTRACTOR TO DELAY CONSTRUCTION OF CROSSOVERS AND PARKING BAYS ALONG HOGANS ROAD UNTIL KERBS AND CHANNELS HAS BEEN CONSTRUCTED.
2. CONSTRUCTION OF FOOTPATH ALONG HOGANS ROAD BY OTHERS
3. EARTHWORKS TO BE COMPLETED AS PART OF STAGE 2 WORKS

ROADWORKS LEGEND

- KERB & CHANNEL - (AS NOTED)
- TRANSITION KERB
- PROPOSED DRIVEWAY CROSSING
- EXISTING CONSTRUCTION TO BE REMOVED
- NEW BATTER
- EXISTING STORMWATER DRAIN, PIT AND PROPERTY INLET OR
- STORMWATER DRAIN, PIT AND PROPERTY INLET
- SEWER, MAINTENANCE STRUCTURES AND PROPERTY CONNECTION
- SWALE DRAIN INVERT AND DIRECTION OF FLOW
- PSM — PERMANENT SURVEY MARK (PSM)
- TEMPORARY BENCH MARK (TBM)
- ES00.000 — EXISTING SURFACE LEVEL
- FS00.000 — FINISHED SURFACE LEVEL
- TB00.000 — TOP OR TOE OF BATTER LEVEL
- SW00.000 — INVERT OF SWALE LEVEL
- STORMWATER PIT NO.
- TACTILE PAVERS
- UTILITIES CONDUIT
- STREET SIGN
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN "NO ROAD" SIGN & BARRIER
- NEW FINISHED SURFACE CONTOUR
- EXISTING SURFACE CONTOUR
- LIMIT OF WORKS
- PROPOSED ELECTRICITY
- PROPOSED GAS
- PROPOSED SEWER
- BRANCH SEWER
- PROPOSED TELECOMMUNICATIONS
- PROPOSED TELSTRA & OPTUS
- PROPOSED WATER
- PROPOSED NON-DRINKING WATER
- EXISTING ELECTRICITY
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- EXISTING NON-DRINKING WATER
- EXISTING TREE
- EXISTING TREE TO BE REMOVED

EARTHWORKS LEGEND

- LOT FILL (FILL GREATER THAN 200mm DEEP)
- LOT CUT (CUT GREATER THAN 200mm DEEP)

WARNING
PROPOSED SERVICES

THE LOCATION AND EXTENT OF PROPOSED SERVICES IS INDICATIVE ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION. REFER TO AUTHORISED DOCUMENTATION BY RELEVANT AUTHORITY FOR CONSTRUCTION DETAILS

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.

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SERVICE OFFSET TABLE

STREET NAME	GAS		NDW		WATER		TELECOMMS.		ELECTRICITY	
HOGANS ROAD (EXISTING)	2.80	S	1.80	S	2.30	S	Ex.3.25	S	Ex.4.8	S

NOTE: OFFSETS SHOWN ARE IN METRES (m)

REV	DESCRIPTION	BY	APP	DATE
P00	PRELIMINARY ISSUE	RT	LG	14.06.18
C00	CONSTRUCTION ISSUE	RT	CK	10.10.18
C01	PARKING BAYS, VEHICLE CROSSINGS, FOOTPATH AND CONDUITS INDICATED	JH	CK	04.03.19

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE (A1)

GRACE TARNEIT

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Australia
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CLIENT: TARNIET PROJECTS PTY LTD
PO BOX 8023
CAMBERWELL NORTH, VIC, 3124

PROJECT: GRACE - STAGE 2A
605 HOGANS ROAD, TARNEIT
WYNDHAM CITY COUNCIL

PROJECT NORTH

TITLE: LAYOUT PLAN

STATUS: FOR CONSTRUCTION

DESIGNED	DRAWN	APPROVED	DATE	SCALE @ A1	SHEET
LG	RT	AD	14.06.18	SHOWN	3 OF 4

PROJECT No	DRAWING No	REV
114652-2A	C100	C01

DWG FILE: X:\114652 - 605 Hogans Road Tarneit\6BIM\6_3 MHT MIE\6_3_4 MHT UD\STAGE 02A\114652-2A-C100.dwg

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

		Job No	21317
		Report No	21317/R001
		Date Issued	18/05/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	JB
Project	GRACE - STAGE 2A	*Date tested*	12/05/21
Location	TARNEIT	*Checked by*	JHF

Feature **EARTHWORKS** *Layer thickness* 200 mm *Time:* 13:00

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/m³*	1.94	1.99	1.93	1.97	1.99	1.99
Field moisture content	*%*	24.1	24.5	23.9	24.1	25.1	26.1

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/m³*	2.01	2.00	2.01	2.01	2.00	2.00
Adjusted Peak Converted Wet Density	*t/m³*	-	-	-	-	-	-
Optimum Moisture Content	*%*	22.5	22.0	24.0	26.5	23.0	28.5

Moisture Variation From Optimum Moisture Content	1.5% wet	2.5% wet	0.0%	2.0% dry	2.0% wet	2.5% dry

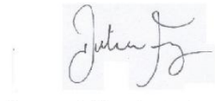
Density Ratio (R_{HD})	***%***	**96.5**	**99.5**	**96.0**	**98.0**	**99.5**	**99.5**

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