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

7th January 2020

Our Reference: 19543:NB637

Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING
TRIJENA – STAGE 7 (MICKLEHAM)

Please find attached our Report No 19543/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 October 2019.

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).

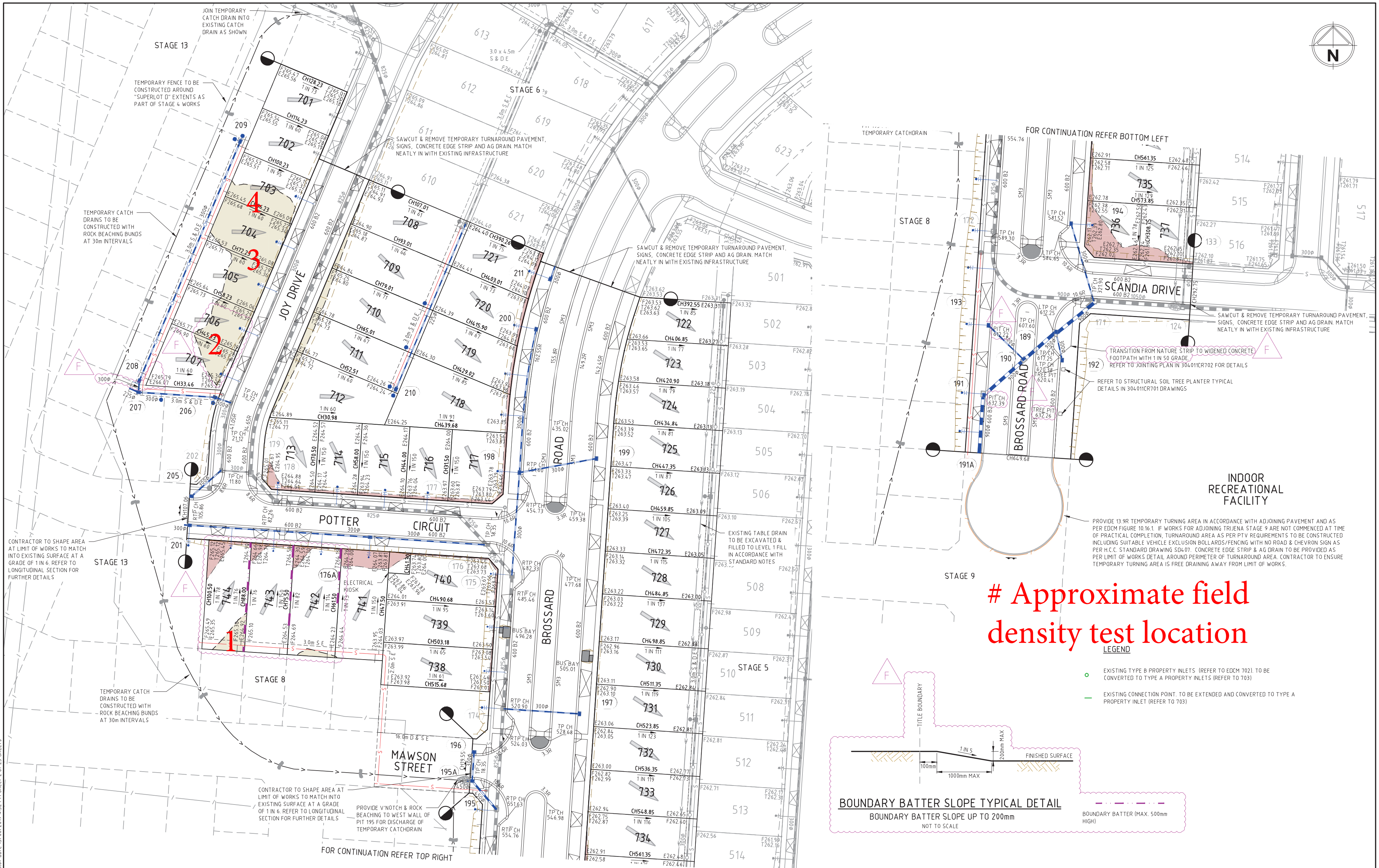
We are of the view that the bulk fill materials that have been placed across the reported allotments by Winslow Constructors during the aforementioned period can be considered as having been placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

Nick Brock

FIGURE 1



Rev	Amendments	Approved	Date
F	AMENDED CUT & FILL AREAS, BOUNDARY BATTERS, NOTES, DETAILS & CHAINAGES	M.T.	13-08-19
E	AMENDED SERVICES, LEVELS & CONCRETE FOOTPATH	M.T.	22-07-19
D	ISSUED FOR TENDER	M.T.	14-06-19
C	AMENDED IN ACCORDANCE WITH COUNCIL COMMENTS & LOT LEVELS AMENDED LOT 722 TO 735 LAYOUT CHANGED RESULTING IN SERVICES AND DRIVEWAYS AMENDED	M.T.	01-05-19
B	ROAD NAME & PRAM CROSSING AMENDED, NOTES & LEGEND ADDED	M.R.	17-12-18
A	ISSUED TO COUNCIL	M.R.	24-10-18

H 1:500
SCALE @ A1

spiire
469 La Trobe Street PO Box 16084 Melbourne Victoria 8007 Australia T 61 3 9993 7888
spiire.com.au ABN 55 050 029 635

POTTER GEORGE
TRIJENA

Designed W.MAY	Checked J.KOEHLER
Authorised M.TOOMER-SMITH	Date 01-05-19

TRIJENA
STAGE 7
ROAD & DRAINAGE DETAIL PLAN
HUME CITY COUNCIL
PGG (MICKLEHAM) PTY LTD

PRELIMINARY Drg No 304011CR200 Rev F

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

		Job No	19543
		Report No	19543/R001
		Date Issued	14/11/2019
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	TRIJENA - STAGE 7	*Date tested*	11/10/19
Location	MICKLEHAM	*Checked by*	JHF

Feature **EARTHWORKS** *Layer thickness* 200 mm *Time:* 10:17

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/m³*	2.07	2.06	1.99	1.98	-	-
Field moisture content	*%*	17.0	17.7	16.1	15.9	-	-

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*	2	0	0	0	-	-
Peak Converted Wet Density	*t/m³*	2.05	2.05	2.03	2.04	-	-
Adjusted Peak Converted Wet Density	*t/m³*	2.05	-	-	-	-	-
Optimum Moisture Content	*%*	17.5	18.0	17.0	16.5	-	-

Moisture Variation From Optimum Moisture Content		0.5% dry	0.0%	1.0% dry	0.5% dry	-	-
Density Ratio (R_{HD})	*%*	**101.0**	**100.5**	**98.0**	**97.0**	**-**	**-**

Material description

No 1 - 4 Clay Fill