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

14th July 2017

Our Reference: 17375:GB217

Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

Dear Sirs,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING
ROTHWELL ESTATE – STAGE 8

Please find attached our Report No 17375/R001 which relates to the field density testing that was conducted at the filled allotment of the above subdivision. The level 1 inspections and associated field density testing was performed in early July 2017.

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 inspections and testing was performed by an experienced geotechnician 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 filled allotments by Rokon during the aforementioned period. The approximate locations of the field density tests can be seen on the attached plan (Figure 1).

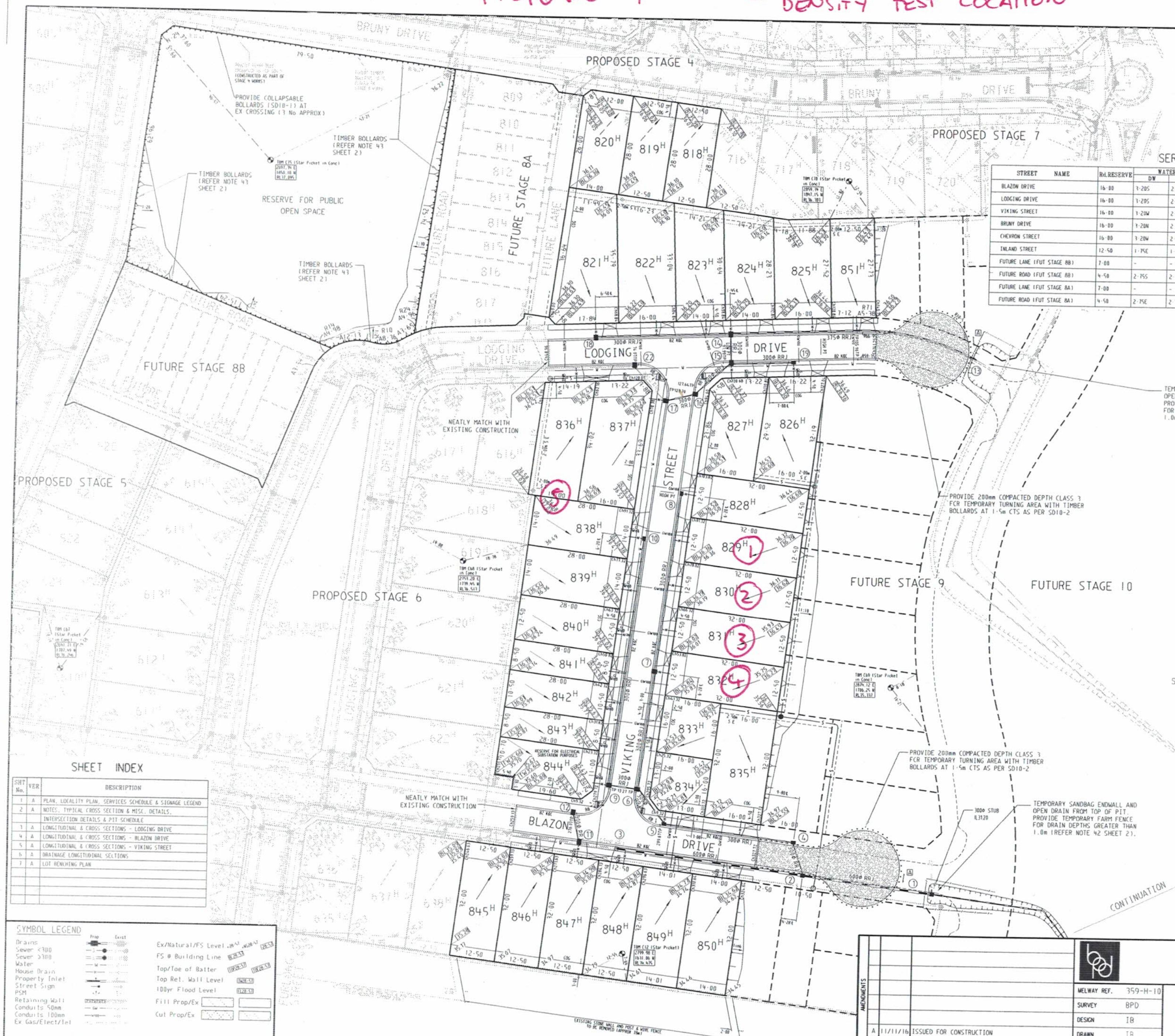
We are of the view that the bulk fill materials that have been placed across the filled allotments by Rokon during the aforementioned period can be considered as having been placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

Griffin Brown

FIGURE 1 (#) APPROXIMATE FIELD DENSITY TEST LOCATION



ATTENTION TO CONTRACTOR

1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES SHOWN.
2. Contractor to ensure that the site is pegged and or set out checked by the licenced surveyor responsible for certifying the Plan of Subdivision prior to underground Infrastructure being Installed.
3. Where concrete works abut a sewer access chamber surround or similar structure, an expansion joint of approved material shall be provided between the two faces.

SERVICES OFFSETS AND LOCATIONS

STREET NAME	Rd.RESERVE	WATER		GAS	ELECTRICITY		FIBRE TO THE HOME		Bk. of KERB	JOINT TRENCHING
		DW	NDW		CABLES	POLES	FTTH CABLES	FTTH PITS		
BLAZON DRIVE	16·00	3·20S	2·70S	2·25S	2·60N	1·00 BOK	1·85N	1·85N & S	4·35S/4·05N	W & G, E & FTTH
LODGING DRIVE	16·00	3·20S	2·70S	2·25S	2·60N	1·00 BOK	1·85N	1·85N & S	4·35S/4·05N	W & G, E & FTTH
VIKING STREET	16·00	3·20W	2·70W	2·25W	2·60E	1·00 BOK	1·85E	1·85E & W	4·35W/4·05E	W & G, E & FTTH
BRUNY DRIVE	16·00	3·20N	2·70N	2·25N	2·60S	1·00 BOK	1·85S	1·85N & S	4·35N/4·05S	W & G, E & FTTH
CHEVRON STREET	16·00	3·20W	2·70W	2·25W	2·60E	1·00 BOK	1·85E	1·85E & W	4·35W/4·05E	W & G, E & FTTH
INLAND STREET	12·50	1·75E	1·25E	0·75E	2·35W	1·00 BOK	1·85W	-	3·10E/3·60W	W & G, E & FTTH
FUTURE LANE (FUT STAGE 8B)	7·00	-	-	-	1·00S	0·30S	-	-	1·00	-
FUTURE ROAD (FUT STAGE 8B)	4·50	2·75S	2·30S	1·85S	3·75S	4·20S	3·25S	-	-	W & G, E & FTTH
FUTURE LANE (FUT STAGE 8A)	7·00	-	-	-	1·00E	0·30E	-	-	1·00	-
FUTURE ROAD (FUT STAGE 8A)	4·50	2·75E	2·30E	1·85E	3·75E	4·20E	3·25E	-	-	W & G, E & FTTH

LOT FINISHED SURFACE LEVELS, CUT/FILL HATCHING AND LOT BENCHING LEVELS ARE OMITTED FOR CLARITY. REFER LOT BENCHING PLAN, SHEET 8, FOR DETAILS.

SIGNAGE LEGEND

[A] NO ROAD SIGN

SHEET INDEX

SHT No.	VER	DESCRIPTION
1	A	PLAN, LOCALITY PLAN, SERVICES SCHEDULE & SIGNAGE LEGEND
2	A	NOTES, TYPICAL CROSS SECTION & MISC. DETAILS, INTERSECTION DETAILS & PIT SCHEDULE
3	A	LONGITUDINAL & CROSS SECTIONS - LODGING DRIVE
4	A	LONGITUDINAL & CROSS SECTIONS - BLAZON DRIVE
5	A	LONGITUDINAL & CROSS SECTIONS - VIKING STREET
6	A	DRAINAGE LONGITUDINAL SECTIONS
7	A	LOT BENCHING PLAN

SYMBOL LEGEND

Drains, Sewer ≥300, Sewer ≤300, Water, House Drain, Property Inlet, Street Sign, PSM, Retaining Wall, Conduits 50mm, Conduits 100mm, Ex Gas/Elect/Tel (Prop / Exist)

Ex/Natural/FS Level, FS @ Building Line, Top/Toe of Batter, Top Ret. Wall Level, 100yr Flood Level, Fill Prop/Ex, Cut Prop/Ex

AMENDMENTS

VER	DATE	REMARKS
A	11/11/16	ISSUED FOR CONSTRUCTION

breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF.	359-H-10
SURVEY	BPD
DESIGN	IB
DRAWN	IB
CHECKED	P. Cuttler

ROTHWELL ESTATE
STAGE 8

MUNICIPALITY: WYNDHAM
REFERENCE: 8584 E/8
SCALE: AS SHOWN | DATUM: AHD | DATE: DEC'15 | SHEET 1 OF 7 | A

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

		Job No	17375
		Report No	17375/R001
		Date Issued	14/07/2017
Client	ROKON (RICHMOND)	*Tested by*	JB
Project	ROTHWELL - STAGE 8	*Date tested*	12/07/17
Location	TRUGANINA	*Checked by*	JHF

Feature	**EARTHWORKS**	*Layer thickness*	200 mm	*Time:*	10:32

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		**1**	**2**	**3**	**4**	**5**	**-**
Location		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	-
Field wet density	*t/m³*	1.78	1.80	1.84	1.74	1.70	-
Field moisture content	*%*	25.9	30.2	30.8	33.8	35.1	-

Test procedure AS 1289.5.7.1

Test No		1	2	3	4	5	-
Compactive effort		Standard					
Oversize rock retained on sieve	*mm*	19.0	19.0	19.0	19.0	19.0	-
Percent of oversize material	*wet*	0	0	0	0	0	-
Peak Converted Wet Density	*t/m³*	1.82	1.83	1.86	1.76	1.74	-
Adjusted Peak Converted Wet Density	*t/m³*	-	-	-	-	-	-
Optimum Moisture Content	*%*	28.5	32.0	31.5	36.5	37.0	-

Moisture Variation From Optimum Moisture Content		2.5% dry	1.5% dry	1.0% dry	2.5% dry	1.5% dry	-

Density Ratio (R_{HD})	***%***	**98.0**	**98.5**	**98.5**	**99.0**	**98.0**	**-**

Material description

No 1 - 5 Clay Fill

Approved Signatory : Justin Fry

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EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 818 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_818

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 818, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

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FILL CERTIFICATE

PROJECT: Lot No 819 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_819

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 819, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

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FILL CERTIFICATE

PROJECT: Lot No 820 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_820

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 820, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

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FILL CERTIFICATE

PROJECT: Lot No 821 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_821

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 821, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

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FILL CERTIFICATE

PROJECT: Lot No 822 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_822

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 822, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

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FILL CERTIFICATE

PROJECT: Lot No 823 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_823

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 823, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

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FILL CERTIFICATE

PROJECT: Lot No 824 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_824

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 824, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

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FILL CERTIFICATE

PROJECT: Lot No 825 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_825

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 825, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

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FILL CERTIFICATE

PROJECT: Lot No 826 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_826

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 826, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

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FILL CERTIFICATE

PROJECT: Lot No 827 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_827

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 827, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

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EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 828 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_828

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 828, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

CIVIL GEOTECHNICAL SERVICES
ABN 26 474 013 724
6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 829 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_829

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 829 of Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

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ABN 26 474 013 724
6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 830 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_830

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 830 of Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

CIVIL GEOTECHNICAL SERVICES
ABN 26 474 013 724
6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 831 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_831

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 831 of Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

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ABN 26 474 013 724
6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 832 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_832

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 832 of Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

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6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 833 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_833

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 833, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

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6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 834 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_834

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 834, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

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ABN 26 474 013 724
6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 835 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_835

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 835, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

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ABN 26 474 013 724
6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 836 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_836

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 836 of Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

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6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 837 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_837

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 837, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

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ABN 26 474 013 724
6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 838 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_838

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 838 of Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

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6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 839 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_839

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 839, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

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6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 840 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_840

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 840, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

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6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 841 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_841

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 841, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

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(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 842 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_842

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 842, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

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(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 843 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_843

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 843, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

Griffin Brown

CIVIL GEOTECHNICAL SERVICES
ABN 26 474 013 724
6-8 ROSE AVENUE, CROYDON 3136
(PO BOX 678 CROYDON 3136)
TELEPHONE + 61 3 9723 0744
FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 844 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_844

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 844, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

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FACSIMILE + 61 3 9723 0799
EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 845 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_845

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 845, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 12th July 2017.

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EMAIL griff.civilgeotech@gmail.com

FILL CERTIFICATE

PROJECT: Lot No 846 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_846

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 846, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

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FILL CERTIFICATE

PROJECT: Lot No 847 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_847

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 847, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

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FILL CERTIFICATE

PROJECT: Lot No 848 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_848

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 848, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

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FILL CERTIFICATE

PROJECT: Lot No 849 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_849

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 849, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

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FILL CERTIFICATE

PROJECT: Lot No 850 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_850

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 850, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

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FILL CERTIFICATE

PROJECT: Lot No 850 (as per Drawing No 8584 E / 8)
Rothwell Estate – Stage 8, Truganina

CLIENT: Rokon Pty Ltd
1 / 75 River Street
RICHMOND VIC 3121

REPORT NO: 17375_850

DATE: 14/07/17

SUMMARY

Civil Geotechnical Services were engaged by Rokon Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Rothwell Estate (Stage 8), Truganina in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Rokon Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 850, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Rokon Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

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