

CIVIL GEOTECHNICAL SERVICES ABN 26 474 013 724

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20th June 2016

Our Reference: 16286:GB010

Peets Funds Management Pty Ltd Level 3, 492 St Kilda Road MELBOURNE VIC 3004

Dear Sirs.

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING HAVEN ESTATE – STAGE 2, TARNIET

Please find attached our Report Nos 16286/R001 to 16286/R003 that relate to the field density testing that was conducted across the filled allotments at the above subdivision. The level 1 inspections and associated field density testing was performed in mid June 2016.

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).

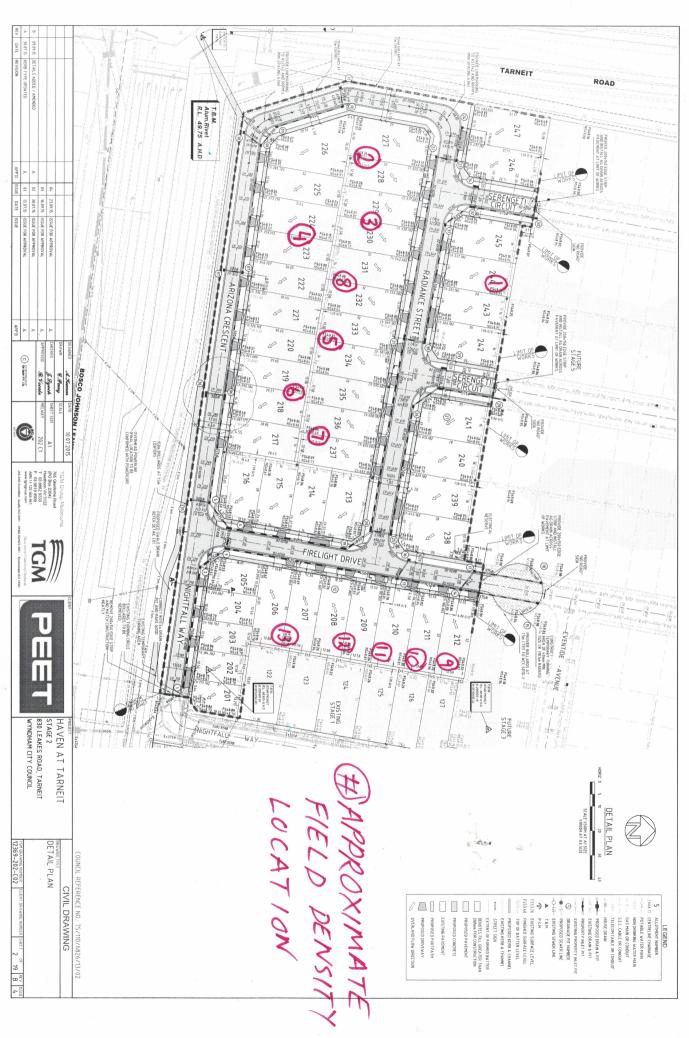
We are of the view that the bulk fill materials that have been placed across the reported allotments by Winslow Constructors during the aforementioned period can be considered as having been placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

Griffin Brown

16286: GB010: June 2016





COMPACTION ASSESSMENT

 CIVIL GEOTECHNICAL SERVICES
 Job No
 16286

 6 - 8 Rose Avenue, Croydon 3136
 Report No
 16286/R001

 Date Issued
 20/06/16

ClientPEETS FUNDS MANAGEMENTTested byNBProjectHAVEN ESTATE - STAGE 2Date tested15/06/16LocationTARNEITChecked byJHF

Feature EARTHWORKS Layer thickness 200 mm Time: 11:42

Test procedure AS	1289.2.1.1 & 5.8.1
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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	1.91	1.81	1.87	1.83	-	-
Field moisture content	%	22.8	23.2	23.6	21.9	-	-

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	1	3	3	1	-	-
Peak Converted Wet Density	t/m³	1.87	1.85	1.87	1.80	-	-
Adjusted Peak Converted Wet Density	t/m³	1.90	1.91	1.93	1.82	-	-
Optimum Moisture Content	%	24.5	25.0	26.0	23.0	-	-

Moisture Variation From	2.0%	2.0%	2.5%	1.0%	-	-
Optimum Moisture Content	dry	dry	dry	dry		

Density Ratio (R _{HD})	%	100.5	95.0	96.5	100.5	-	-

Material description

No 1 - 4 Clay Fill



Approved Signatory: Justin Fry

AVRLOT HILF V1.10 MAR 13



COMPACTION ASSESSMENT

 CIVIL GEOTECHNICAL SERVICES
 Job No
 16286

 6 - 8 Rose Avenue, Croydon 3136
 Report No
 16286/R002

 Date Issued
 20/06/16

ClientPEETS FUNDS MANAGEMENTTested byNBProjectHAVEN ESTATE - STAGE 2Date tested15/06/16LocationTARNEITChecked byJHF

FeatureEARTHWORKSLayer thickness200 mmTime: 11:37

Test procedure AS	1289.2.1.1 & 5.8.1

Test No		5	6	7	-	-	-
Location		REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1			
Approximate depth below FSL							
Measurement depth	mm	175	175	175	-	-	-
Field wet density	t/m³	1.94	1.89	1.88	-	-	-
Field moisture content	%	23.2	24.0	24.2	-	-	-

Test procedure AS 1289.5.7.1

Test No		5	6	7	-	-	-
Compactive effort				Stan	dard		
Oversize rock retained on sieve	mm	19.0	19.0	19.0	-	-	-
Percent of oversize material	wet	1	8	3	-	-	-
Peak Converted Wet Density	t/m³	1.93	1.86	1.87	-	-	-
Adjusted Peak Converted Wet Density	t/m³	1.95	1.90	1.93	-	-	-
Optimum Moisture Content	%	24.0	26.5	26.5	-	-	-

Moisture Variation From	0.5%	2.5%	2.5%	-	-	-
Optimum Moisture Content	dry	dry	dry			

Density Ratio (R _{HD})	%	99.5	100.0	97.5	_	_	_
Density Ratio (R _{HD})	70	5	100.0	31.5			

Material description

No 5 - 7 Clay Fill



Approved Signatory : Justin Fry

AVRLOT HILF V1.10 MAR 13



COMPACTION ASSESSMENT

 CIVIL GEOTECHNICAL SERVICES
 Job No
 16286

 6 - 8 Rose Avenue, Croydon 3136
 Report No
 16286/R003

 Date Issued
 20/06/16

ClientPEETS FUNDS MANAGEMENTTested byGBProjectHAVEN ESTATE - STAGE 2Date tested15/06/16LocationTARNEITChecked byJHF

Feature EARTHWORKS Layer thickness 200 mm Time: 12:16

Test procedure	A.S	1289 2	1	18581	

Test No		8	9	10	11	12	13
		REFER TO FIGURE 1					
Approximate depth below FSL							
Measurement depth	mm	175	175	175	175	175	175
Field wet density	t/m³	1.83	1.84	1.83	1.92	1.90	1.90
Field moisture content	%	19.8	17.7	20.3	22.6	22.6	19.1

Test procedure AS 1289.5.7.1

Test No		8	9	10	11	12	13
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	1	2	5	15	4	5
Peak Converted Wet Density	t/m³	1.85	1.93	1.91	1.97	1.89	1.88
Adjusted Peak Converted Wet Density	t/m³	1.87	1.94	1.93	2.03	1.90	1.91
Optimum Moisture Content	%	22.0	19.0	22.5	23.0	23.5	20.5

Moisture Variation From	2.5%	1.5%	2.0%	0.5%	1.0%	1.5%
Optimum Moisture Content	dry	dry	dry	dry	dry	dry

Density Ratio (R _{HD})	%	98.0	95.0	95.0	95.0	100.0	100.0

Material description

No 8 - 13 Clay Fill



Approved Signatory : Justin Fry

AVRLOT HILF V1.10 MAR 13