

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

25th July 2018

Our Reference: 18268:NB238

Winslow Constructors Pty Ltd 50 Barry Road CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING NEWHAVEN – STAGE 6 (TARNEIT)

Please find attached our Report No's 18268/R001 to 18268/R007 which relate 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 May 2018.

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





CIVIL GEOTEC	HNICAL SERVICES	Job No Report No	18268 18268R001
6 - 8 Rose Avenue	e, Croydon 3136	Date Issued	25/07/2018
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB
Project	NEW HAVEN - STAGE 6	Date tested	05/05/18
Location	TARNEIT	Checked by	JHF

Feature

EARTHWORKS

Layer thickness

200 mm

Time: 13:03

		1	2	3	4	5	6
Location							
		REFER	REFER	REFER	REFER	REFER	REFER
		то	то	то	то	то	то
		FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1
Approximate depth below FSL							
Measurement depth	mm	175	175	175	175	175	175
Field wet density	t∕m³	1.83	1.79	1.81	1.87	1.80	1.82
Field moisture content	%	24.4	23.3	23.7	24.7	22.6	22.1
Test procedure AS 1289.5.7.1 Test No		1	2	3	4	5	6
Test procedure AS 1289.5.7.1 Test No Compactive effort		1	2	3 Star	4 dard	5	6
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve	mm	1	2	3 Stan 19.0	4 idard 19.0	5 19.0	6
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material	mm wet	1 19.0 0	2 19.0 0	3 Stan 19.0 0	4 dard 19.0 0	5 19.0 0	6 19.0 0
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density	mm wet t/m³	1 19.0 0 1.90	2 19.0 0 1.87	3 Stan 19.0 0 1.86	4 dard 19.0 0 1.91	5 19.0 0 1.84	6 19.0 0 1.88
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density	mm wet t/m ³	1 19.0 0 1.90	2 19.0 0 1.87	3 Star 19.0 0 1.86	4 dard 19.0 0 1.91 -	5 19.0 0 1.84	6 19.0 0 1.88
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content	mm wet t/m ³ %	1 19.0 0 1.90 - 25.0	2 19.0 0 1.87 - 25.5	3 Star 19.0 0 1.86 - 24.0	4 dard 19.0 0 1.91 - 25.5	5 19.0 0 1.84 - 24.5	6 19.0 0 1.88 - 24.0
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content	mm wet t/m ³ t/m ³	1 19.0 0 1.90 - 25.0	2 19.0 0 1.87 - 25.5	3 5tar 19.0 0 1.86 - 24.0	4 dard 0 1.91 - 25.5	5 19.0 0 1.84 - 24.5	6 19.0 0 1.88 - 24.0
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content Moisture Variation From	mm wet t/m ³ %	1 19.0 0 1.90 - 25.0 0.5%	2 19.0 0 1.87 - 25.5 2.0%	3 Star 19.0 0 1.86 - 24.0 0.5%	4 dard 0 1.91 - 25.5 1.0%	5 19.0 0 1.84 - 24.5 2.0%	6 19.0 0 1.88 - 24.0 2.0%
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content Moisture Variation From Optimum Moisture Content	mm wet t/m ³ t/m ³ %	1 19.0 0 1.90 - 25.0 0.5% dry	2 19.0 0 1.87 - 25.5 2.0% dry	3 19.0 0 1.86 - 24.0 0.5% dry	4 dard 0 1.91 - 25.5 1.0% dry	5 19.0 0 1.84 - 24.5 2.0% dry	6 19.0 0 1.88 - 24.0 2.0% dry
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content Moisture Variation From Optimum Moisture Content	mm wet t/m ³ t/m ³ %	1 19.0 0 1.90 - 25.0 0.5% dry	2 19.0 0 1.87 - 25.5 2.0% dry	3 Star 19.0 0 1.86 - 24.0 0.5% dry	4 dard 0 1.91 - 25.5 1.0% dry	5 19.0 0 1.84 - 24.5 2.0% dry	6 19.0 0 1.88 - 24.0 2.0% dry

No 1 - 6 Clay Fill



The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National standards. Accredited for compliance to ISO/IEC 17025. Accreditation No 9909

AVRLOT HILF V1.10 MAR 13



CIVIL GEOTECH	INICAL SERVICES	Job No Report No	18268 18268/R002
6 - 8 Rose Avenue	Croydon 3136	Date Issued	25/07/2018
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB
Project	NEW HAVEN - STAGE 6	Date tested	07/05/18
Location	TARNEIT	Checked by	JHF

Feature

EARTHWORKS

Layer thickness

200 mm

Time: 09:00

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		7	8	9	10	-	-
Location							
		REFER	REFER	REFER	REFER		
		то	то	то	то		
		FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1		
Approximate depth below FSL							
Measurement depth	тт	175	175	175	175	-	-
Field wet density	t∕m³	1.82	1.77	1.84	1.79	-	-
Field moisture content	%	31.5	31.2	31.5	30.6	-	-
Test procedure AS 1289 5 7 1							
Test No		7	8	9	10	-	-
Compactive effort							
·				Stan	Idard		
Oversize rock retained on sieve	тт	19.0	19.0	Stan 19.0	dard 19.0	-	-
Oversize rock retained on sieve Percent of oversize material	mm wet	19.0 2	19.0 1	Stan 19.0 2	dard 19.0 2	-	-
Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density	mm wet t/m³	19.0 2 1.77	19.0 1 1.80	Stan 19.0 2 1.80	dard 19.0 2 1.80	- - -	
Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density	mm wet t/m ³ t/m ³	19.0 2 1.77 1.81	19.0 1 1.80 1.82	Stan 19.0 2 1.80 1.84	19.0 2 1.80 1.83	- - - -	- - - -
Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content	mm wet t/m ³ t/m ³	19.0 2 1.77 1.81 33.5	19.0 1 1.80 1.82 32.0	Stan 19.0 2 1.80 1.84 33.0	19.0 2 1.80 1.83 32.5	- - - - -	- - - - -
Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content	mm wet t/m ³ t/m ³	19.0 2 1.77 1.81 33.5	19.0 1 1.80 1.82 32.0	Stan 19.0 2 1.80 1.84 33.0	dard 19.0 2 1.80 1.83 32.5	- - - - -	- - - -
Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content Moisture Variation From	mm wet t/m³ t/m³	19.0 2 1.77 1.81 33.5 2.0%	19.0 1 1.80 1.82 32.0 1.0%	Star 19.0 2 1.80 1.84 33.0 1.5%	19.0 2 1.80 1.83 32.5 2.0%	- - - - -	- - - - -

Density Ratio(R _{HD})	%	100.5	97.5	100.5	97.5	-	-

Material description

No 7 - 10 Clay Fill



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AVRLOT HILF V1.10 MAR 13



CIVIL GEOTECI	INICAL SERVICES	Job No Report No	18268 18268/R003
6 - 8 Rose Avenue	, Croydon 3136	Date Issued	25/07/2018
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB
Project	NEW HAVEN - STAGE 6	Date tested	08/05/18
Location	TARNEIT	Checked by	JHF

Feature

EARTHWORKS

Layer thickness

200 mm

Time: 10:30

Test procedure AS 1289.2.1.1 & 5.8.1

1631 110		11	12	13	14	-	-
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	1.75	1.75	1.78	1.74	-	-
Field moisture content	%	22.2	23.8	24.1	23.2	-	-
Test procedure AS 1289.5.7.1							
Test procedure AS 1289.5.7.1 Test No		11	12	13	14	-	-
Test procedure AS 1289.5.7.1 Test No Compactive effort		11	12	13 Star	14 Idard	-	-
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve	mm	11 19.0	12 19.0	13 Star 19.0	14 ndard 19.0	-	-
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material	mm wet	11 19.0 0	12 19.0 0	13 Star 19.0 0	14 ndard 19.0 0	-	-
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density	mm wet t/m³	11 19.0 0 1.82	12 19.0 0 1.82	13 Star 19.0 0 1.85	14 dard 19.0 0 1.83	- - - -	- - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density	mm wet t/m ³	11 19.0 0 1.82 0	12 19.0 0 1.82 0	13 Star 19.0 0 1.85 0	14 dard 19.0 0 1.83 0	- - - - -	- - - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content	mm wet t/m ³ t/m ³	11 19.0 0 1.82 0 24.0	12 19.0 0 1.82 0 26.5	13 Star 19.0 0 1.85 0 26.0	14 ndard 19.0 0 1.83 0 25.5	- - - - - - -	- - - - - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content	mm wet t/m ³ t/m ³	11 19.0 0 1.82 0 24.0	12 19.0 0 1.82 0 26.5	13 Star 19.0 0 1.85 0 26.0	14 dard 19.0 0 1.83 0 25.5	- - - - - -	- - - - - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content Moisture Variation From	mm wet t/m ³ t/m ³	11 19.0 0 1.82 0 24.0 2.0%	12 19.0 0 1.82 0 26.5 2.5%	13 Star 19.0 0 1.85 0 26.0 2.0%	14 dard 0 1.83 0 25.5 2.5%	- - - - - -	- - - - - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content Moisture Variation From Optimum Moisture Content	mm wet t/m ³ t/m ³ %	11 19.0 0 1.82 0 24.0 2.0% dry	12 19.0 0 1.82 0 26.5 2.5% dry	13 Star 19.0 0 1.85 0 26.0 2.0% dry	14 19.0 0 1.83 0 25.5 2.5% dry	- - - - - -	- - - - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content Moisture Variation From Optimum Moisture Content	mm wet t/m ³ t/m ³ %	11 19.0 0 1.82 0 24.0 24.0 2.0% dry	12 19.0 0 1.82 0 26.5 2.5% dry	13 Star 19.0 0 1.85 0 26.0 26.0 2.0% dry	14 dard 19.0 0 1.83 0 25.5 2.5% dry	- - - - - -	- - - - - -

No 11 - 14 Clay Fill



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AVRLOT HILF V1.10 MAR 13



CIVIL GEOTECH	INICAL SERVICES	Job No Report No	18268 18268/R004
6 - 8 Rose Avenue	Croydon 3136	Date Issued	24/07/2018
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB
Project	NEW HAVEN - STAGE 6	Date tested	09/05/18
Location	TARNEIT	Checked by	JHF

Feature

EARTHWORKS

Layer thickness

200 mm

Time: 08:00

Test procedure AS 1289.2.1.1 & 5.8.1

rest NO		15	16	17	18	-	-
Location							
		REFER	REFER	REFER	REFER		
		то	то	то	то		
		FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1		
Approximate depth below FSL							
Measurement depth	mm	175	175	175	175	-	-
Field wet density	t∕m³	1.79	1.79	1.82	1.81	-	-
Field moisture content	%	23.7	27.2	24.6	24.0	-	-
Test procedure AS 1289.5.7.1 Test No		15	16	17	18	-	-
Test procedure AS 1289.5.7.1 Test No Compactive effort		15	16	17 Star	18 Idard	-	-
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve	mm	15 19.0	16 19.0	17 Star 19.0	18 Idard 19.0	-	-
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material	mm wet	15 19.0 9	16 19.0 1	17 Star 19.0 7	18 idard 19.0 5	- - -	-
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density	mm wet t/m³	15 19.0 9 1.82	16 19.0 1 1.82	17 Star 19.0 7 1.85	18 dard 19.0 5 1.83	- - - -	- - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density	mm wet t/m ³ t/m ³	15 19.0 9 1.82 1.86	16 19.0 1 1.82 1.83	17 Star 19.0 7 1.85 1.88	18 Idard 19.0 5 1.83 1.85	- - - - -	- - - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content	mm wet t/m ³ t/m ³	15 19.0 9 1.82 1.86 26.5	16 19.0 1 1.82 1.83 29.0	17 Star 19.0 7 1.85 1.88 27.0	18 Idard 19.0 5 1.83 1.85 26.5	- - - - - - -	- - - - - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content	mm wet t/m ³ %	15 19.0 9 1.82 1.86 26.5	16 19.0 1 1.82 1.83 29.0	17 Star 19.0 7 1.85 1.85 27.0	18 dard 19.0 5 1.83 1.85 26.5	- - - - - - -	- - - - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content Moisture Variation From	mm wet t/m ³ t/m ³ %	15 19.0 9 1.82 1.86 26.5 2.5%	16 19.0 1 1.82 1.83 29.0 2.0%	17 Star 19.0 7 1.85 1.88 27.0 2.0%	18 idard 19.0 5 1.83 1.85 26.5 2.5%	- - - - - - -	- - - - - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content Moisture Variation From Optimum Moisture Content	mm wet t/m³ t/m³ %	15 19.0 9 1.82 1.86 26.5 2.5% dry	16 19.0 1 1.82 1.83 29.0 2.0% dry	17 Star 19.0 7 1.85 1.88 27.0 2.0% dry	18 idard 19.0 5 1.83 1.85 26.5 2.5% dry	- - - - - -	- - - - - -
Test procedure AS 1289.5.7.1 Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content Moisture Variation From Optimum Moisture Content	mm wet t/m ³ t/m ³ %	15 19.0 9 1.82 1.86 26.5 2.5% dry	16 19.0 1 1.82 1.83 29.0 2.0% dry	17 Star 19.0 7 1.85 1.88 27.0 2.0% dry	18 dard 19.0 5 1.83 1.85 26.5 2.5% dry	- - - - - - -	- - - - - -

No 15 - 18 Clay Fill



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AVRLOT HILF V1.10 MAR 13



CIVIL GEOTEC	HNICAL SERVICES	Job No Report No	18268 18268/R005
6 - 8 Rose Avenue	e, Croydon 3136	Date Issued	24/07/2018
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB
Project	NEW HAVEN - STAGE 6	Date tested	10/05/18
Location	TARNEIT	Checked by	JHF

Feature

EARTHWORKS

Layer thickness

200 mm

Time: 09:00

Test No		19	20	21	-	-	-
Location		REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1			
Approximate depth below FSL							
Measurement depth	тт	175	175	175	-	-	-
Field wet density	t/m³	1.88	1.96	1.90	-	-	-
Field moisture content	%	27.0	23.5	22.7	-	-	-

Test procedure AS 1289.5.7.1

	19	20	21	-	-	-
			Stan	dard		
тт	19.0	19.0	19.0	-	-	-
wet	1	6	2	-	-	-
t∕m³	1.97	1.98	1.96	-	-	-
t∕m³	1.97	2.00	1.97	-	-	-
%	25.0	22.5	23.0	-	-	-
	mm wet t/m ³ t/m ³	mm 19.0 wet 1 t/m³ 1.97 t/m³ 25.0	mm 19.0 19.0 wet 1 6 t/m³ 1.97 1.98 t/m³ 25.0 22.5	Instruction Instruction	Instruction Instruction <thinstruction< th=""> <thinstruction< th=""></thinstruction<></thinstruction<>	Image: Non-state of the state of t

Moisture variation From 2	.0%	1.0%	0.5%	-	-	-
Optimum Moisture Content	wet	wet	dry			

Density Ratio(R _{HD})	%	95.0	98.0	96.5	-	-	-

Material description

No 19 - 21 Clay Fill



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Approved Signatory : Justin Fry

AVRLOT HILF V1.10 MAR 13



CIVIL GEOTEC	HNICAL SERVICES	Job No Report No	18268 18268/R006
6 - 8 Rose Avenue	e, Croydon 3136	Date Issued	18/07/2018
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB
Project	NEW HAVEN - STAGE 6	Date tested	17/05/18
Location	TARNEIT	Checked by	JHF

Feature

EARTHWORKS

Layer thickness

200 mm

Time: 11:32

Test procedure AS 1289.2.1.1 & 5.8.1

1001110		22	23	24	25	-	-
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	1.83	1.79	1.81	1.82	-	-
Field moisture content	%	24.1	23.6	26.4	25.6	-	-
Test procedure AS 1289.5.7.1 Test No		22	23	24	25	-	-
Compactive effort		Standard					
Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	-	-
Percent of oversize material	wet	8	0	0	4	-	-
Peak Converted Wet Density	t∕m³	1.86	1.87	1.90	1.86	-	-
Adjusted Peak Converted Wet Density	t∕m³	1.90	-	-	1.88	-	-
Optimum Moisture Content	%	26.0	26.5	26.0	27.5	-	-
		2.0%	2.5%	0.5%	2.0%	-	-
Moisture Variation From Optimum Moisture Content		dry	dry	wet	dry		



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AVRLOT HILF V1.10 MAR 13



CIVIL GEOTEC	HNICAL SERVICES	Job No Report No	18268 18268/R007
6 - 8 Rose Avenue	e, Croydon 3136	Date Issued	24/07/2018
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB
Project	NEW HAVEN - STAGE 6	Date tested	23/05/18
Location	TARNEIT	Checked by	JHF

Feature

EARTHWORKS

Layer thickness

200 mm

Time: 09:00

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		26	27	28	29	30	-
Location							
		REFER	REFER	REFER	REFER	REFER	
		то	то	то	то	то	
		FIGURE 1	1				
							1
							1
Approvimate depth below ESI							
Measurement denth	mm	175	175	175	175	175	
Field wet density	t/m3	1.95	1.90	1.96	1.88	1.86	
Field moisture content	<i>v</i> m %	22.4	22.9	21.9	24.0	19.4	
	70	22.7	22.0	21.0	24.0	10.4	
Test procedure AS 1289.5.7.1							
Test No		26	27	28	29	30	-
Compactive effort				Star	dard		
Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	19.0	-
Percent of oversize material	wet	6	8	6	6	6	-
Peak Converted Wet Density	t∕m³	1.97	1.96	2.00	1.91	1.91	-
Adjusted Peak Converted Wet Density	t∕m³	2.00	1.99	2.02	1.93	1.93	-
Optimum Moisture Content	%	25.0	23.5	22.5	26.0	22.0	-
Moisture Variation From		2.5%	0.5%	0.5%	2.0%	2.5%	-
Optimum Moisture Content		dry	dry	dry	dry	dry	
				•			
Density Ratio (R _{HD})	%	98.0	95.5	97.0	97.5	96.0	-
Material description							
No 26 - 30 Clay Fill							



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AVRLOT HILF V1.10 MAR 13



CIVIL GEOTEC	HNICAL SERVICES	Job No Report No	18268 18268R008
6 - 8 Rose Avenue	e, Croydon 3136	Date Issued	24/07/2018
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB
Project	NEW HAVEN - STAGE 6	Date tested	24/05/18
Location	TARNEIT	Checked by	JHF

Feature

EARTHWORKS

Layer thickness

200 mm

Time: 10:06

Test procedure AS 1289.2.1.1 & 5.8.1

1631110		31	32	33	34	35	36
Location							
		REFER	REFER	REFER	REFER	REFER	REFER
		то	то	то	то	то	то
		FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1
Approximate depth below FSL							
Measurement depth	тт	175	175	175	175	175	175
Field wet density	t∕m³	1.86	1.79	1.74	1.76	1.78	1.78
Field moisture content	%	24.9	22.8	23.3	23.7	24.3	23.2
Test procedure AS 1289.5.7.1							
Test No		31	32	33	34	35	36
Compactive effort				Star	ndard		
Oversize rock retained on sieve	тт	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	1.92	1.84	1.80	1.81	1.82	1.87
Adjusted Peak Converted Wet Density	t∕m³	-	-	-	-	-	-
Optimum Moisture Content	%	26.0	24.5	24.5	25.0	25.5	25.0
Moisture Variation From		1.0%	1.5%	1.0%	1.5%	1.0%	2.0%
Optimum Moisture Content		dry	dry	dry	dry	dry	dry
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