



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

30th January 2018

Our Reference: 17712:NB127

Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

**RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING
ARMSTRONG ESTATE – STAGE 25 (MOUNT DUNEED)**

Please find attached our Report No's 17712/R001 and 17712/R005 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 commenced in late November 2017 and were completed in mid December 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 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.

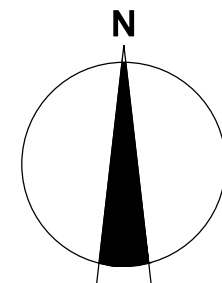
Civil Geotechnical Services

Nick Brock

FIGURE 1 (1 of 2)

ROAD LAYOUT TABLE										
ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)		
			LIP to LIP	INV to INV	BOK to BOK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST	
FLOURISH DRIVE (LOTS 2547-2559)	ACCESS	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20	
FLOURISH DRIVE (LOTS 2569-2571)	ACCESS	13.50	4.90	5.50	5.80	B2	B2	1.50	6.20	
CABANE CIRCUIT (LOTS 2532-2535)	ACCESS	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20	
CABANE CIRCUIT (LOTS 2517-2520)	ACCESS	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20	
CABANE CIRCUIT (LOTS 2541-2546)	ACCESS	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20	
PASCAL CRESCENT (LOTS 2510-2516)	ACCESS	13.50	4.90	5.50	5.80	B2	B2	1.50	6.20	
PASCAL CRESCENT (LOTS 2516-2517)	ACCESS	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20	
DWAY A	DRIVEWAY	12.50	-	5.50	-	-	-	5.25	1.75	
FRANKLIN ROAD	ACCESS	18.00	6.70	7.30	7.60	B2	B2	5.20	5.20	
SOLSTICE STREET	ACCESS	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20	
BOSE STREET (LOTS 2581-2584)	ACCESS	14.50	6.70	7.30	7.60	B2	B2	6.20	2.50	
BOSE STREET (LOTS 2509-2581)	ACCESS	13.50	4.90	5.50	5.80	B2	B2	1.50	6.20	

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
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www.1100.com.au



NOTE:
ALL CYPRESS TREES LOCATED WITHIN VILLAWOOD LAND, EAST OF AIRPORT ROAD RESERVE, TO BE REMOVED, INCLUDING THE REMOVAL OF ALL STUMPS AND ASSOCIATED ROOT SYSTEM. PRIOR TO REMOVAL OF TREES, CONTRACTOR TO CONFIRM WITH COUNCIL AND CONSULTANT

NOTE:
EXISTING PROPERTY OWNERS, WRITTEN CONSENT, TO BE OBTAINED BY NOMINATED CONTRACTOR, PRIOR TO THE COMMENCEMENT OF ANY WORKS, WITHIN THE VICINITY OF EXISTING PROPERTY

Approximate field density test location

- NOTES:**
- ALL VEHICLE AND PRAM CROSSING LAYBACKS, TO BE MINIMUM OF 1.0m FROM PITS.
 - ALL PRAM CROSSINGS TO BE A MINIMUM 2.0m FROM VEHICLE CROSSINGS.
 - ALL PRAM CROSSINGS TO BE DDA COMPLIANT.
 - VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF LANDSCAPE WORKS.
 - SIDE ENTRY PITS SHOWN OFFSET BY 1m FROM TANGENT POINTS, TO ACCOMMODATE CHANNEL DEPTH TRANSITION. FOR DETAILS REFER TO IDM STANDARD DRAWING, SD430
 - ALL COORDINATES SHOWN ARE TO AHD
 - THE USE OF DIRECTIONAL AND HAZARD TACTILE PAVERS MUST ACCORD WITH SECTION 2.2.3.1 OF AS/NZS 1428.4:2002
 - CONTRACTOR TO CONFIRM, WITH CALIBRE CONSULTING REPRESENTATIVE, PRIOR TO THE REMOVAL OF ANY TREES
 - PIT DIMENSIONS SHOWN ON PLANS, REFER TO THE CENTRE OF PIT BASE
 - SEWER MAINTENANCE HOLE CONVERTER SLAB OR CONE, TO BE ROTATED TO ENSURE COVER POSITION IS CENTRALLY LOCATED WITHIN FOOTPATH
 - CHAINAGES FOR SETOUT OF PROPERTY INLET POINTS, SERVING FUTURE LOTS, ARE MEASURED FROM THE DOWNSTREAM PIT
 - CONTRACTOR TO LOCATE ALL EXISTING ASSETS PRIOR TO COMMENCEMENT OF WORKS. ANY DAMAGE TO EXISTING ASSETS TO BE RECTIFIED AT CONTRACTORS EXPENSE.
 - CONTRACTOR TO VERIFY DEPTH OF EXISTING SERVICES, PRIOR TO COMMENCEMENT OF CONSTRUCTION

ROAD NAME	SERVICES OFFSET SCHEDULE															
	GAS		RECYCLED WATER		WATER		COMMUNICATION		ELECTRICITY		REC. WATER (DUPLICATE MAIN)		POT. WATER (DUPLICATE MAIN)		ELEC. HV (DUPLICATE MAIN)	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
FLOURISH DRIVE	SOUTH	2.10	SOUTH	2.60	SOUTH	3.10	NORTH	1.775	NORTH	2.60	-	-	-	-	-	-
BOTANY STREET	EAST	2.10	EAST	2.60	EAST	3.10	EAST	4.100	EAST	4.60	-	-	-	-	WEST	2.00 (W)
CABANE CIRCUIT (LOTS 2533-2536)	NORTH	2.10	NORTH	2.60	NORTH	3.10	SOUTH	1.775	SOUTH	2.60	-	-	-	-	-	-
CABANE CIRCUIT (LOTS 2517-2520)	WEST	2.10	WEST	2.60	WEST	3.10	EAST	1.775	EAST	2.60	-	-	-	-	-	-
CABANE CIRCUIT (LOTS 2542-2547)	SOUTH	2.10	SOUTH	2.60	SOUTH	3.10	NORTH	1.775	NORTH	2.60	-	-	-	-	-	-
PASCAL CRESCENT (LOTS 2510-2516)	EAST	2.10	EAST	2.60	EAST	3.10	EAST	4.10	EAST	4.60	-	-	-	-	WEST	6.40 (W)
PASCAL CRESCENT (LOTS 2516-2517)	SOUTH	2.10	SOUTH	2.60	SOUTH	3.10	NORTH	1.775	NORTH	2.60	-	-	-	-	-	-
DWAY A - RESERVE	WEST	2.10	WEST	2.60	WEST	3.10	WEST	3.900	WEST	4.40	-	-	-	-	-	-
FRANKLIN ROAD	NORTH	2.10	NORTH	2.60	NORTH	3.20	SOUTH	1.775	SOUTH	2.40	SOUTH	3.60	SOUTH	6.65	-	-
SOLSTICE STREET	WEST	2.10	WEST	2.60	WEST	3.10	EAST	1.775	EAST	2.60	-	-	-	-	-	-
BOSE STREET (LOTS 2582-2585)	NORTH	2.10	NORTH	2.60	NORTH	3.10	NORTH	4.70	NORTH	4.70	-	-	-	-	-	-
BOSE STREET (LOTS 2510-2582)	EAST	2.10	EAST	2.90	EAST	3.70	EAST	4.10	EAST	4.60	-	-	EAST	7.65	-	-

LEGEND	
	Electricity (Underground)
	Gas
	Telstra
	Water
	Stormwater Drain, Pit and Property Inlet
	Swale Drain
	Sewer, Maintenance Structures and Property Connection
	House Drain
	Gas & Water Conduits
	Tactile Paver - Directional
	Tactile Paver - Hazard
	Existing Electricity (Underground)
	Existing Electricity (Overhead)
	Existing Gas
	Existing Telstra
	Existing Water
	Existing Stormwater Drain
	Existing Sewer
	Existing House Drain
	Existing Tree to Remain
	Existing Tree to be Removed
	Existing Swale Drain
	Existing Surface Level
	Finished Building Line Level
	Finished Ridge Line Level
	Top of Retaining Wall
	Bottom of Retaining Wall
	Retaining Wall
	Intersection Threshold Treatment
	Structural Fill > 200mm Deep
	Ex. Structural Fill > 200mm Deep
	Proposed Driveway
	Allotment to be graded evenly in direction of fall to levels indicated
	Direction of Fall
	Overland Flow
	Permanent Survey Mark
	Temporary Bench Mark
	Concrete Edge Strip with Subsoil Drain underneath "No Road" sign and Barrier
	Building Envelope
	Limit of Works

REV	DATE	COMMENTS
C	13/10/17	BOTANY STREET ROAD NAME ADDED
B	13/09/17	BIN PAD NOTE AMENDED
A		ISSUED FOR APPROVAL



ARMSTRONG
MT DUNEED

STAGE 25



CALIBRE CONSULTING (MELB) PTY LTD
Level 2, 55 Southbank Boulevard
Southbank VIC 3006
T 03 9203 9000

LAYOUT PLAN - 1

1:500 10 5 0 10 20 A1
1:1000 A3

SCALE @ A1	DRAWN	DESIGNED
1:500	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	JUNE 2017

ISSUED FOR APPROVAL

SIGNED	DATE
DRAWING NUMBER	REVISION
M100611.25-C02	C

Received 1 Nov 2017

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
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www.1100.com.au

DIVERSION PIT. PIT TO BE
CONSTRUCTED OVER EXISTING PIPE.
CONNECT EXISTING PIPES TO
PROPOSED PIT. FOR DIVERSION PIT
DETAILS, REFER TO SHEET C36

FUTURE DEVELOPMENT

Approximate field density test location

NOTE:
EXISTING SEPTIC TANK EXCAVATION
TO BE BACKFILLED UNDER "LEVEL 1"

BATTER TO OPEN SPACE AREA,
RANGING FROM CHAINAGE
165.032 TO 205.000, TO BE
LANDSCAPED. FOR DETAILS,
REFER TO LANDSCAPE PLANS



CONSULT AUSTRALIA

A.C.N. 109 448 982

FOR CONTINUATION REFER TO INSET

33.77.8 FOR CONTINUATION REFER TO SHEET C02

EXISTING
STAGE 21

EXISTING
STAGE

FOR CONTINUATION REFER TO ADJACENT

CELESTIAL WAY

FOR CONTINUATION REFER TO ADJACENT

INSET

LEGEND

- | | |
|--|--|
| | Electricity (Underground) |
| | Gas |
| | Telstra |
| | Water |
| | Stormwater Drain, Pit and Property Inlet |
| | Swale Drain |
| | Sewer, Maintenance Structures and Property Connection |
| | House Drain |
| | Gas & Water Conduits |
| | Tactile Paver - Directional |
| | Tactile Paver - Hazard |
| | Existing Electricity (Underground) |
| | Existing Electricity (Overhead) |
| | Existing Gas |
| | Existing Telstra |
| | Existing Water |
| | Existing Stormwater Drain |
| | Existing Sewer |
| | Existing House Drain |
| | Existing Tree to Remain |
| | Existing Tree to be Removed |
| | Existing Swale Drain |
| | Existing Surface Level |
| | Finished Building Line Level |
| | Finished Ridge Line Level |
| | Top of Retaining Wall |
| | Bottom of Retaining Wall |
| | Retaining Wall |
| | Intersection Threshold Treatment |
| | Structural Fill > 200mm Deep |
| | Ex. Structural Fill > 200mm Deep |
| | Proposed Driveway |
| | Allotment to be graded evenly in direction of fall to levels indicated |
| | Direction of Fall |
| | Overland Flow |
| | Permanent Survey Mark |
| | Temporary Bench Mark |
| | Concrete Edge Strip with Subsoil Drain underneath "No Road" sign and Barrier |
| | Building Envelope |
| | Limit of Works |

[illegible]

PROJECT

ARMSTRONG

MT DUNEED

STAGE 25



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CALIBRE CONSULTING (MELB) PTY LTD
Level 2, 55 Southbank Boulevard
Southbank VIC 3006
T 03 9203 9000

TITLE	
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LAYOUT PLAN - 2

1:500 10 5 0 10 20 A1
1:1000 A3

SCALE @ A1	DRAWN	DESIGNED
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1:500	R.KOZUL	R.KOZUL
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PROJECT ENGINEER LEONCHILS	PROJECT MANAGER T. DALLAS	DATE FIRST ISSUE JUNE 2017
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J. CONSIGLIO	I. PALIOS	JUNE 2017
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ISSUED FOR APPROVAL

ISSUED FOR APPROVAL

SIGNED	DATE
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DRAWING NUMBER	REVISION
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M100611.25-C03	B
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[illegible]

Received 1 Nov 2011

Received 1 Nov 2017



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Job No 17712

Report No 17712/R001

Date Issued 02/01/2018

Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)

Tested by B G G

Project ARMSTRONG, MOUNT DUNEED - STAGE 25

Date tested 24/11/17

Location MOUNT DUNEED

Checked by JHF

Feature EARTHWORKS

Layer thickness

20 mm

Time: 10:13

Test procedure AS 1289.2.1.1 & 5.8.1

Test No	1	2	3	4	5	6
Location	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1
Approximate depth below FSL						
Measurement depth mm	175	175	175	175	175	175
Field wet density t/m ³	1.96	1.92	1.96	1.98	1.92	1.98
Field moisture content %	16.1	15.7	14.7	16.4	17.1	16.8

Test procedure AS 1289.5.7.1

Test No	1	2	3	4	5	6
Compactive effort	Standard					
Oversize rock retained on sieve mm	19.0	19.0	19.0	19.0	19.0	19.0
Percent of oversize material wet	0	0	0	0	0	0
Peak Converted Wet Density t/m ³	2.02	2.03	1.95	2.01	2.02	2.08
Adjusted Peak Converted Wet Density t/m ³	-	-	-	-	-	-
Optimum Moisture Content %	18.0	18.0	17.0	18.5	19.0	17.0

Moisture Variation From Optimum Moisture Content	2.0% dry	2.0% dry	2.5% dry	2.0% dry	2.0% dry	0.5% dry
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Density Ratio (R_{HD})	%	97.0	95.0	100.5	99.0	95.0	95.5
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Material description

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

Approved Signatory : Justin Fry

AVRLOT HILF V1.10 MAR 13



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Job No 17712
Report No 17712/R002
Date Issued 02/01/2018

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	B G G
Project	ARMSTRONG, MOUNT DUNEED - STAGE 25	Date tested	24/11/17
Location	MOUNT DUNEED	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time: 11:17
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	7	8	9	-	-	-
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/m ³	2.01	2.07	2.15	-	-	-
Field moisture content %	16.9	19.8	18.2	-	-	-

Test procedure AS 1289.5.7.1

Test No	7	8	9	-	-	-
Compactive effort	Standard					
Over size rock retained on sieve mm	19.0	19.0	19.0	-	-	-
Percent of oversize material wet	0	0	0	-	-	-
Peak Converted Wet Density t/m ³	2.00	2.08	2.12	-	-	-
Adjusted Peak Converted Wet Density t/m ³	-	-	-	-	-	-
Optimum Moisture Content %	18.0	21.0	19.0	-	-	-

Moisture Variation From Optimum Moisture Content	1.0% dry	1.0% dry	1.0% dry	-	-	-
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Density Ratio (R _{HD})	%	100.5	99.5	102.0	-	-	-
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Material description

No 7 - 9 Clay Fill



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Justin Fry

Approved Signatory : Justin Fry

AVRLOT HILF V1.10 MAR 13



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Job No 17712
Report No 17712/R003
Date Issued 29/01/2018

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	B G G
Project	ARMSTRONG, MOUNT DUNEED - STAGE 25	Date tested	20/12/17
Location	MOUNT DUNEED	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time: 14:16
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	10	11	12	13	14	15
Location	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1
Approximate depth below FSL						
Measurement depth mm	175	175	175	175	175	175
Field wet density t/m ³	1.92	1.87	1.81	1.84	1.86	1.85
Field moisture content %	15.9	14.8	14.2	16.3	16.2	17.4

Test procedure AS 1289.5.7.1

Test No	10	11	12	13	14	15
Compactive effort	Standard					
Oversize rock retained on sieve mm	19.0	19.0	19.0	19.0	19.0	19.0
Percent of oversize material wet	0	0	0	2	0	1
Peak Converted Wet Density t/m ³	1.90	1.86	1.84	1.90	1.87	1.91
Adjusted Peak Converted Wet Density t/m ³	-	-	-	1.93	-	1.94
Optimum Moisture Content %	18.0	17.0	17.0	18.5	18.5	19.5

Moisture Variation From Optimum Moisture Content	2.0% dry	2.0% dry	2.5% dry	2.0% dry	2.0% dry	2.0% dry
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Density Ratio (R _{HD})	%	101.0	100.0	98.0	95.0	99.5	95.5
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Material description

No 10 - 15 Clay Fill



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Justin Fry

Approved Signatory : Justin Fry

AVRLOT HILF V1.10 MAR 13



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Job No 17712
Report No 17712/R004
Date Issued 30/01/2018

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	B G G
Project	ARMSTRONG, MOUNT DUNEED - STAGE 25	Date tested	20/12/17
Location	MOUNT DUNEED	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time: 14:18
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	16	17	18	19	20	21
Location	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1
Approximate depth below FSL						
Measurement depth mm	175	175	175	175	175	175
Field wet density t/m ³	1.89	1.88	1.87	1.88	1.83	1.82
Field moisture content %	17.2	18.7	19.0	17.2	20.1	18.3

Test procedure AS 1289.5.7.1

Test No	16	17	18	19	20	21
Compactive effort	Standard					
Oversize rock retained on sieve mm	19.0	19.0	19.0	19.0	19.0	19.0
Percent of oversize material wet	0	0	0	0	0	0
Peak Converted Wet Density t/m ³	1.91	1.92	1.90	1.85	1.86	1.83
Adjusted Peak Converted Wet Density t/m ³	-	-	-	-	-	-
Optimum Moisture Content %	19.5	20.5	21.0	20.0	22.5	21.0

Moisture Variation From Optimum Moisture Content	2.0% dry	2.0% dry	2.0% dry	2.5% dry	2.5% dry	2.5% dry
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Density Ratio (R _{HD})	%	98.5	98.0	98.5	102.0	98.5	99.5
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Material description

No 16 - 21 Clay Fill



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Justin Fry

Approved Signatory : Justin Fry

AVRLOT HILF V1.10 MAR 13



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Job No 17712
Report No 17712/R005
Date Issued 30/01/2018

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	B G G
Project	ARMSTRONG, MOUNT DUNEED - STAGE 25	Date tested	20/12/17
Location	MOUNT DUNEED	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time: 14:22
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	22	23	24	-	-	-
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/m ³	1.92	1.91	1.86	-	-	-
Field moisture content %	17.2	19.6	18.1	-	-	-

Test procedure AS 1289.5.7.1

Test No	22	23	24	-	-	-
Compactive effort	Standard					
Oversize rock retained on sieve mm	19.0	19.0	19.0	-	-	-
Percent of oversize material wet	0	0	0	-	-	-
Peak Converted Wet Density t/m ³	1.89	1.89	1.87	-	-	-
Adjusted Peak Converted Wet Density t/m ³	-	-	-	-	-	-
Optimum Moisture Content %	19.5	22.0	20.5	-	-	-

Moisture Variation From Optimum Moisture Content	2.0% dry	2.0% dry	2.0% dry	-	-	-
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Density Ratio (R _{HD})	%	102.0	101.5	99.5	-	-	-
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Material description

No 22 - 24 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

Justin Fry

Approved Signatory : Justin Fry

AVRLOT HILF V1.10 MAR 13