



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Job No 22650
Report No 22650/R001
Date Issued 27/09/2022

Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
Project REDSTONE ESTATE - STAGE 7
Location SUNBURY

Tested by AM
Date tested 14/09/22
Checked by JHF

Feature CONSTRUCTION LAYER Layer thickness 150 mm Time: 12:42

Test procedure AS 1289.2.1.1 & 5.8.1

Test No	1	2	3	4	5	6
Location	Scared Drive		Speckle Circuit		Flycatcher Road	
	610 1.8 north of kerb	560 1.8 south of kerb	30 1.8 east of kerb	30 1.8 west of kerb	500 1.8 east of kerb	450 1.8 west of kerb
Approximate depth below FSL						
Measurement depth mm	125	125	125	125	125	125
Field wet density t/m ³	1.98	1.97	1.91	1.90	1.90	1.86
Field moisture content %	18.5	26.5	18.1	22.5	26.5	28.2

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	1.96	1.95	1.91	1.91	1.88	1.86
Adjusted Peak Converted Wet Density t/m ³	-	-	-	-	-	-
Optimum Moisture Content %	19.5	27.0	19.0	23.5	27.5	28.5

Moisture Variation From Optimum Moisture Content	1.0% dry	0.5% dry	1.0% dry	1.0% dry	1.0% dry	0.5% dry
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R_{HD})	%	101.0	101.5	100.0	100.0	101.0	100.5
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Material description

No 1 - 6 40mm Type A - Masalkovski Quarries

AVRLOT HILF V1.10 MAR 13



NATA Accredited Laboratory No 9909
Accredited for compliance with
ISO/IEC 17025 - Testing

Justin Fry

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
Project REDSTONE ESTATE - STAGE 7
Location SUNBURY

Job No 22650
Report No 22650/R002
Date Issued 27/09/2022

Tested by AM
Date tested 14/09/22
Checked by JHF

Feature CONSTRUCTION LAYER Layer thickness 150 mm Time: 12:46

Test procedure AS 1289.2.1.1 & 5.8.1

Test No	7	8	9	10	11	12
Location	Flycatcher Road			Kristen Road	Vangel Road	
	400 1.8 east of kerb	350 1.8 west of kerb	300 1.8 east of kerb	20 1.8 north of kerb	60 1.8 south of kerb	110 1.8 north of kerb
Approximate depth below FSL						
Measurement depth mm	125	125	125	125	125	125
Field wet density t/m ³	1.96	1.94	1.96	1.95	1.96	1.92
Field moisture content %	16.3	19.6	24.5	16.6	25.8	22.8

Test procedure AS 1289.5.7.1

Test No	7	8	9	10	11	12
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	1.95	1.95	1.95	1.95	1.97	1.93
Adjusted Peak Converted Wet Density t/m ³	-	-	-	-	-	-
Optimum Moisture Content %	17.0	19.5	25.0	16.5	26.0	24.0

Moisture Variation From Optimum Moisture Content	1.0% dry	0.0%	0.5% dry	0.0%	0.0%	1.0% dry
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R_{HD})	%	100.5	100.0	100.5	100.5	100.0	100.0
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Material description

No 7 - 12 40mm Type A - Masalkovski Quarries

AVRLOT HILF V1.10 MAR 13



NATA Accredited Laboratory No 9909
Accredited for compliance with
ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
Project REDSTONE ESTATE - STAGE 7
Location SUNBURY

Job No 22650
Report No 22650/R003
Date Issued 27/09/2022

Tested by AM
Date tested 14/09/22
Checked by JHF

Feature CONSTRUCTION LAYER Layer thickness 150 mm Time: 12:50

Test procedure AS 1289.2.1.1 & 5.8.1

Test No	13	14	15	16	-	-
Location	Vangel Road		Zoogie Road	Pedro Street		
	160 1.8 north of kerb	210 1.8 south of kerb	50 1.8 east of kerb	20 1.8 west of kerb		
Approximate depth below FSL						
Measurement depth mm	125	125	125	125	-	-
Field wet density t/m ³	1.89	1.92	1.97	1.91	-	-
Field moisture content %	21.5	23.1	17.1	27.7	-	-

Test procedure AS 1289.5.7.1

Test No	13	14	15	16	-	-
Compactive effort	Standard					
Oversize rock retained on sieve mm	19.0	19.0	19.0	19.0	-	-
Percent of oversize material wet	0	0	0	0	-	-
Peak Converted Wet Density t/m ³	1.88	1.89	1.95	1.91	-	-
Adjusted Peak Converted Wet Density t/m ³	-	-	-	-	-	-
Optimum Moisture Content %	22.0	24.0	18.0	28.5	-	-

Moisture Variation From Optimum Moisture Content	0.5% dry	1.0% dry	1.0% dry	1.0% dry	-	-
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R_{HD}) %	100.5	101.0	100.5	100.5	-	-
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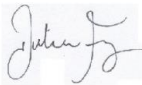
Material description

No 13 - 16 40mm Type A - Masalkovski Quarries

AVRLOT HILF V1.10 MAR 13



NATA Accredited Laboratory No 9909
Accredited for compliance with
ISO/IEC 17025 - Testing


Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Job No 22650
Report No 22650/R004
Date Issued 19/09/2022

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	REDSTONE ESTATE - STAGE 7	Date tested	15/09/22
Location	SUNBURY	Checked by	JHF

Feature **CAPPING**

Layer thickness 200 / 160 mm

Time: 11:21

Test procedure AS 1289.2.1.1 & 5.8.1

Test No	17	18	19	20	21	22
Location	Sacred Drive		Speckle Circuit		Flycatcher Road	
	610 1.8 north of kerb	560 1.8 south of kerb	30 1.8 east of kerb	30 1.8 west of kerb	500 1.8 east of kerb	450 1.8 west of kerb
Approximate depth below FSL						
Measurement depth mm	175	175	125	125	125	125
Field wet density t/m ³	1.88	1.88	1.90	1.92	1.89	1.85
Field moisture content %	20.7	20.4	25.4	23.4	26.4	26.7

Test procedure AS 1289.5.7.1

Test No	17	18	19	20	21	22
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	1.87	1.88	1.90	1.91	1.87	1.85
Adjusted Peak Converted Wet Density t/m ³	-	-	-	-	-	-
Optimum Moisture Content %	21.0	21.5	26.0	24.5	26.5	27.0

Moisture Variation From Optimum Moisture Content	0.0%	1.0% dry	0.5% dry	1.0% dry	0.0%	0.5% dry
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R_{HD})	%	100.5	100.5	100.0	100.5	101.0	100.5
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Material description

No 17 - 22 40mm Type A - Masalkovski Quarries

AVRLOT HILF V1.10 MAR 13



NATA Accredited Laboratory No 9909
Accredited for compliance with
ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Job No 22650
Report No 22650/R005
Date Issued 27/09/2022

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	REDSTONE ESTATE - STAGE 7	Date tested	15/09/22
Location	SUNBURY	Checked by	JHF

Feature	CAPPING	Layer thickness	160 mm	Time: 11:27
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	23	24	25	26	27	28
Location	Flycatcher Road			Kristen Road	Vangel Road	
	400	350	300	20	60	110
	1.8	1.8	1.8	1.8	1.8	1.8
	west of kerb	east of kerb	north of kerb	south of kerb	north of kerb	south of kerb
Approximate depth below FSL						
Measurement depth mm	125	125	125	125	125	125
Field wet density t/m ³	1.86	1.82	1.93	1.90	1.91	1.95
Field moisture content %	23.8	22.4	23.5	23.3	24.4	22.7

Test procedure AS 1289.5.7.1

Test No	23	24	25	26	27	28
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	1.83	1.82	1.93	1.89	1.91	1.94
Adjusted Peak Converted Wet Density t/m ³	-	-	-	-	-	-
Optimum Moisture Content %	24.5	23.0	24.5	24.5	25.0	23.5

Moisture Variation From Optimum Moisture Content	0.5% dry	0.5% dry	1.0% dry	1.0% dry	0.5% dry	1.0% dry
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R_{HD})	%	101.5	100.0	100.0	100.5	100.0	101.0
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Material description

No 23 - 28 40mm Type A - Masalkovski Quarries

AVRLOT HILF V1.10 MAR 13



NATA Accredited Laboratory No 9909
Accredited for compliance with
ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Job No 22650
Report No 22650/R006
Date Issued 27/09/2022

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	REDSTONE ESTATE - STAGE 7	Date tested	15/09/22
Location	SUNBURY	Checked by	JHF

Feature	CAPPING	Layer thickness	160 mm	Time: 11:33
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	29	30	31	32	-	-
Location	Vangel Road		Zoogie Road	Pedro Street		
	160	210	50	20		
	1.8	1.8	1.8	1.8		
	south of kerb	north of kerb	east of kerb	west of kerb		
Approximate depth below FSL						
Measurement depth mm	125	125	125	125	-	-
Field wet density t/m ³	1.74	1.80	1.74	1.77	-	-
Field moisture content %	21.7	23.5	26.5	23.7	-	-

Test procedure AS 1289.5.7.1

Test No	29	30	31	32	-	-
Compactive effort	Standard					
Oversize rock retained on sieve mm	19.0	19.0	19.0	19.0	-	-
Percent of oversize material wet	0	0	0	0	-	-
Peak Converted Wet Density t/m ³	1.74	1.80	1.74	1.76	-	-
Adjusted Peak Converted Wet Density t/m ³	-	-	-	-	-	-
Optimum Moisture Content %	23.0	24.5	27.0	24.5	-	-

Moisture Variation From Optimum Moisture Content	1.0% dry	1.0% dry	0.5% dry	1.0% dry	-	-
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R_{HD})	%	100.0	100.0	100.5	100.5	-	-
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Material description

No 29 - 32 40mm Type A - Masalkovski Quarries

AVRLOT HILF V1.10 MAR 13



NATA Accredited Laboratory No 9909
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ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 22650
Report No 22650/R007
Date Issued 20/09/2022

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	REDSTONE ESTATE - STAGE 7	Date tested	20/09/22
Location	SUNBURY	Checked by	JHF

Feature CLASS 3 **Layer thickness** 100 mm **Time:** 14:13:29

AS 12892.1.1 & 5.8.1

Test No	33	34	35	36	37	38
Location	Flycatcher Road					Kristen Road
Chainage	500	450	400	350	300	20
Offset	1.8	1.8	1.8	1.8	1.8	1.8
	east of kerb	west of kerb	east of kerb	west of kerb	east of kerb	north of kerb
Approximate depth from F.S.L.	m					
Measurement depth	mm	75	75	75	75	75
Field wet density	t/m ³	2.37	2.37	2.41	2.40	2.36
Field dry density	t/m ³	2.25	2.25	2.29	2.27	2.24
Field moisture content	%	5.5	5.5	5.0	5.5	5.5

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203HOJAR)

Date of assignment	23/06/2022
Material source and location	20mm Class 3 - Holcim, Oaklands Junction
Compactive effort	MODIFIED
Maximum Dry Density	t/m ³ 2.27
Optimum Moisture Content	% 5.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	19.0	19.0
Percent of oversize material	wet	-	-	-	-	-	-
Percent of oversize material	dry	-	-	-	-	-	-
Adjusted Maximum Dry Density	t/m ³	-	-	-	-	-	-
Adjusted Optimum Moisture Content	%	-	-	-	-	-	-

Moisture Variation From Optimum Moisture Content	0.0% dry	0.0% dry	0.5% dry	0.0% dry	0.0% dry	0.5% dry
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Moisture Ratio (R _m)	%	96.0	98.5	90.5	96.5	96.5	88.5
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R _D)	%	99.5	99.5	101.5	100.5	99.0	99.5
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A581ASSIGNED V1.13 MAR 13



NATA Accredited Laboratory No 9909
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ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 22650
Report No 22650/R008
Date Issued 20/09/2022

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	REDSTONE ESTATE - STAGE 7	Date tested	20/09/22
Location	SUNBURY	Checked by	JHF

Feature	CLASS 3	Layer thickness	100 mm	Time:	14:17:05
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AS 12892.1.1 & 5.8.1

Test No	39	40	41	42	43	44
Location	Vangel Road				Zoogie Road	Pedro Street
Chainage Offset	60 1.8 north of kerb	110 1.8 south of kerb	160 1.8 north of kerb	210 1.8 south of kerb	50 1.8 east of kerb	20 1.8 west of kerb
Approximate depth from F.S.L. m						
Measurement depth mm	75	75	75	75	75	75
Field wet density t/m ³	2.35	2.36	2.35	2.35	2.34	2.36
Field dry density t/m ³	2.23	2.24	2.22	2.23	2.22	2.24
Field moisture content %	5.5	5.0	5.5	5.5	5.5	5.5

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203HOJAR)

Date of assignment	23/06/2022
Material source and location	20mm Class 3 - Holcim, Oaklands Junction
Compactive effort	MODIFIED
Maximum Dry Density t/m ³	2.27
Optimum Moisture Content %	5.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve mm	19.0	19.0	19.0	19.0	19.0	19.0
Percent of oversize material wet	-	-	-	-	-	-
Percent of oversize material dry	-	-	-	-	-	-
Adjusted Maximum Dry Density t/m ³	-	-	-	-	-	-
Adjusted Optimum Moisture Content %	-	-	-	-	-	-

Moisture Variation From Optimum Moisture Content	0.0% dry	0.5% dry	0.0% dry	0.5% dry	0.0% dry	0.0% dry
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Moisture Ratio (R _m) %	97.0	91.5	99.5	94.5	97.5	96.5
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R _D) %	98.5	99.0	98.0	98.5	98.0	99.0
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A581ASSIGNED V1.13 MAR 13



NATA Accredited Laboratory No 9909
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ISO/IEC 17025 - Testing

Justin Fry

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 22650
Report No 22650/R009
Date Issued 21/09/2022

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	REDSTONE ESTATE - STAGE 7	Date tested	21/09/22
Location	SUNBURY	Checked by	JHF

Feature	CLASS 3	Layer thickness	100 / 160 mm	Time:	14:56:22
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AS 12892.1.1 & 5.8.1

Test No	45	46	47	48		
Location	Speckle Circuit		Sacred Drive			
Chainage	30	30	610	560		
Offset	1.8	1.8	1.8	1.8		
	east	west	north	south		
	of kerb	of kerb	of kerb	of kerb		
Approximate depth from F.S.L.	m					
Measurement depth	mm	75	75	125	125	
Field wet density	t/m ³	2.36	2.35	2.36	2.40	
Field dry density	t/m ³	2.24	2.24	2.24	2.29	
Field moisture content	%	5.0	5.0	5.0	5.0	

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203HOJAR)

Date of assignment	23/06/2022
Material source and location	20mm Class 3 - Holcim, Oaklands Junction
Compactive effort	MODIFIED
Maximum Dry Density	t/m ³ 2.27
Optimum Moisture Content	% 5.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0		
Percent of oversize material	wet	-	-	-	-		
Percent of oversize material	dry	-	-	-	-		
Adjusted Maximum Dry Density	t/m ³	-	-	-	-		
Adjusted Optimum Moisture Content	%	-	-	-	-		

Moisture Variation From Optimum Moisture Content	0.5% dry	0.5% dry	0.5% dry	0.5% dry		
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Moisture Ratio (R _m)	%	92.5	91.0	91.0	90.5		
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R _D)	%	99.0	99.0	99.0	101.0		
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A581ASSIGNED V1.13 MAR 13



NATA Accredited Laboratory No 9909
Accredited for compliance with
ISO/IEC 17025 - Testing

Justin Fry

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 22650
Report No 22650/R010
Date Issued 07/10/2022

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	REDSTONE ESTATE - STAGE 7	Date tested	07/10/22
Location	SUNBURY	Checked by	JHF

Feature	CLASS 2	Layer thickness	130 mm	Time:	11:14:01
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AS 12892.1.1 & 5.8.1

Test No	49	50	51	52	53	54
Location	Flycatcher Road					Kristen Road
Chainage	300	350	400	450	500	20
Offset	1.8 north of kerb	1.8 east of kerb	1.8 west of kerb	1.8 east of kerb	1.8 west of kerb	1.8 north of kerb
Approximate depth from F.S.L.	m					
Measurement depth	mm	125	125	125	125	125
Field wet density	t/m ³	2.41	2.41	2.42	2.42	2.41
Field dry density	t/m ³	2.28	2.29	2.29	2.30	2.29
Field moisture content	%	5.5	5.0	5.5	5.5	5.0

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 202HOJBW)

Date of assignment	09/03/2022
Material source and location	20mm Class 2 - Holcim, Oaklands, Junction
Compactive effort	MODIFIED
Maximum Dry Density	t/m ³ 2.28
Optimum Moisture Content	% 6.0

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	19.0	19.0
Percent of oversize material	wet	-	-	-	-	-	-
Percent of oversize material	dry	-	-	-	-	-	-
Adjusted Maximum Dry Density	t/m ³	-	-	-	-	-	-
Adjusted Optimum Moisture Content	%	-	-	-	-	-	-

Moisture Variation From Optimum Moisture Content	0.5% dry	0.5% dry	0.5% dry	0.5% dry	0.5% dry	0.5% dry
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Moisture Ratio (R _m)	%	94.5	87.5	91.5	91.5	93.0	87.5
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R _D)	%	100.0	100.5	100.5	101.0	100.5	100.5
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A581ASSIGNED V1.13 MAR 13



NATA Accredited Laboratory No 9909
Accredited for compliance with
ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 22650
Report No 22650/R011
Date Issued 10/10/2022

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	REDSTONE ESTATE - STAGE 7	Date tested	10/10/22
Location	SUNBURY	Checked by	JHF

Feature	CLASS 2	Layer thickness	130 mm	Time:	15:06:34
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AS 12892.1.1 & 5.8.1

Test No	55	56	57			
Location	Vangel Road	Pedro Street	Zoogie Road			
Chainage	200	25	50			
Offset	1.8 north of kerb	1.8 east of kerb	1.8 west of kerb			
Approximate depth from F.S.L.	m					
Measurement depth	mm	125	125	125		
Field wet density	t/m ³	2.40	2.42	2.41		
Field dry density	t/m ³	2.28	2.30	2.29		
Field moisture content	%	5.5	5.5	5.5		

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 202HOJBW)

Date of assignment	09/03/2022
Material source and location	20mm Class 2 - Holcim, Oaklands Junction
Compactive effort	MODIFIED
Maximum Dry Density	t/m ³ 2.28
Optimum Moisture Content	% 6.0

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	19.0	19.0	19.0			
Percent of oversize material	wet	-	-	-			
Percent of oversize material	dry	-	-	-			
Adjusted Maximum Dry Density	t/m ³	-	-	-			
Adjusted Optimum Moisture Content	%	-	-	-			

Moisture Variation From Optimum Moisture Content	0.5% dry	0.5% dry	0.5% dry			
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Moisture Ratio (R _m)	%	95.0	89.5	92.0			
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R _D)	%	100.0	101.0	100.5			
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ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 22650
Report No 22650/R012
Date Issued 04/11/2022

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	REDSTONE ESTATE - STAGE 7	Date tested	03/11/22
Location	SUNBURY	Checked by	JHF

Feature CLASS 2 **Layer thickness** 110 / 130 mm **Time:** 09:58:26

AS 12892.1.1 & 5.8.1

Test No	58	59	60	61		
Location	Sacred Drive		Speckle Circuit			
Chainage	610	560	30	30		
Offset	1.8	1.8	1.8	1.8		
	north	south	east	west		
	of kerb	of kerb	of kerb	of kerb		
Approximate depth from F.S.L.	m					
Measurement depth	mm	75	75	100	100	
Field wet density	t/m ³	2.40	2.40	2.42	2.41	
Field dry density	t/m ³	2.28	2.28	2.29	2.29	
Field moisture content	%	5.0	5.5	6.0	5.5	

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 202HOJBX)

Date of assignment	17/10/2022
Material source and location	20mm Class 2 - Holcim, Oaklands Junction
Compactive effort	MODIFIED
Maximum Dry Density	t/m ³ 2.27
Optimum Moisture Content	% 6.0

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0		
Percent of oversize material	wet	-	-	-	-		
Percent of oversize material	dry	-	-	-	-		
Adjusted Maximum Dry Density	t/m ³	-	-	-	-		
Adjusted Optimum Moisture Content	%	-	-	-	-		

Moisture Variation From Optimum Moisture Content	1.0% dry	0.5% dry	0.0% dry	0.5% dry		
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Moisture Ratio (R _m)	%	85.0	90.0	97.0	88.5		
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio (R _D)	%	100.5	100.5	101.0	101.0		
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