



COMPACTION ASSESSMENT

Job No 22303
 Report No 22303/R001
 Date Issued 26/04/2022

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB
Project	ASPIRE - STAGE 29	Date tested	14/04/22
Location	PLUMPTON	Checked by	JHF

Feature	CONSTRUCTION LAYER	Layer thickness	150 mm	Time: 11:30
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	1	2	3	4	5	6
Location	Walkside Boulevard			Zlatan Way		
	50 1.4 north of kerb	100 1.5 south of kerb	150 1.2 north of kerb	20 1.6 north of kerb	70 1.3 south of kerb	120 1.2 west of kerb
Approximate depth below FSL						
Measurement depth <i>mm</i>	125	125	125	125	125	125
Field wet density <i>t/m³</i>	1.95	1.95	1.93	1.95	1.95	1.77
Field moisture content <i>%</i>	24.4	29.1	23.8	27.8	22.3	26.5

Test procedure AS 1289.5.7.1

Test No	1	2	3	4	5	6
Compactive effort	Standard					
Oversize rock retained on sieve <i>mm</i>	19.0	19.0	19.0	19.0	19.0	19.0
Percent of oversize material <i>wet</i>	0	0	0	0	0	0
Peak Converted Wet Density <i>t/m³</i>	1.93	1.94	1.94	1.94	1.93	1.77
Adjusted Peak Converted Wet Density <i>t/m³</i>	-	-	-	-	-	-
Optimum Moisture Content <i>%</i>	25.5	29.5	25.0	29.5	23.5	27.5

Moisture Variation From Optimum Moisture Content	1.0% dry	0.5% dry	1.0% dry	0.5% 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})	%	101.0	100.5	100.0	100.5	101.0	100.5
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Material description

No 1 - 6 40mm Type A - Masalkovski Quarries

AVRLOT HILF V1.10 MAR 13



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Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

Job No 22303
 Report No 22303/R002
 Date Issued 11/05/2022

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	BS
Project	ASPIRE - STAGE 29	Date tested	11/05/22
Location	PLUMPTON	Checked by	JHF

Feature	CAPPING	Layer thickness	160 / 150 mm	Time:	12:05:51
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AS 12892.1.1 & 5.8.1

Test No	7	8	9	10	11	12
Location	Walkside Boulevard			Zlatan Way		
Chainage	50	100	150	20	70	120
Offset	1.7	1.9	2.2	1.8	2.0	2.1
	north of kerb	south of kerb	north of kerb	south of kerb	north of kerb	south of kerb
Approximate depth from F.S.L.	m					
Measurement depth	mm					
Field wet density	t/m ³					
Field dry density	t/m ³					
Field moisture content	%					

Laboratory Compaction AS 1289.5.1.1 & 5.4.2 Assigned Values (See Report No 40SMWVDJ)

Date of assignment	24/03/2022
Material source and location	40mm Capping - MVQ, Wyndham Vale
Compactive effort	STANDARD
Maximum Dry Density	t/m ³ 2.07
Optimum Moisture Content	% 12.0

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	37.5	37.5	37.5	37.5	37.5	37.5
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	1.0% dry	0.5% dry	0.5% dry	0.5% dry	0.5% dry
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Moisture Ratio (R_m)	%	99.0	92.5	95.5	94.5	96.5	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)	%	100.0	100.0	100.5	100.5	100.0	100.0
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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 22303
Report No 22303/R003
Date Issued 13/05/2022

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB
Project	ASPIRE - STAGE 29	Date tested	13/05/22
Location	PLUMPTON	Checked by	JHF

Feature	CLASS 3	Layer thickness	100 mm	Time:	07:30:36
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AS 12892.1.1 & 5.8.1

Test No	13	14	15	16	17	18
Location	Walkside Boulevard			Zlatan Way		
Chainage	50	100	150	20	70	120
Offset	1.3 north of kerb	1.5 south of kerb	1.2 north of kerb	1.7 north of kerb	1.4 south of kerb	1.1 west of kerb
Approximate depth from F.S.L.	m					
Measurement depth	mm	75	75	75	75	75
Field wet density	t/m ³	2.41	2.42	2.41	2.40	2.39
Field dry density	t/m ³	2.24	2.24	2.24	2.24	2.23
Field moisture content	%	7.5	8.0	7.5	7.5	7.0

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

Date of assignment	06/04/2022
Material source and location	20mm Class 3 - MVQ, Wyndham Vale
Compactive effort	MODIFIED
Maximum Dry Density	t/m ³ 2.28
Optimum Moisture Content	%

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% wet	0.5% wet	0.5% wet	0.0% dry	0.0% dry	0.5% dry
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Moisture Ratio (R_m)	%	102.5	106.0	103.5	99.5	98.5	95.5
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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	98.5	98.0	98.0	98.0	98.5
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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 22303
 Report No 22303/R004
 Date Issued 25/05/2022

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	ASPIRE - STAGE 29	Date tested	25/05/22
Location	PLUMPTON	Checked by	JHF

Feature	CLASS 2	Layer thickness	140 / 130 mm	Time:	13:45:06
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AS 12892.1.1 & 5.8.1

Test No	25	26	27	28	29	30
Location	Walkside Boulevard			Zlatan Way		
Chainage	50	100	150	20	70	120
Offset	1.8	1.8	1.8	1.8	1.8	1.8
	north of kerb	south of kerb	north of kerb	south of kerb	north of kerb	west of kerb
Approximate depth from F.S.L. m						
Measurement depth mm	125	125	125	100	100	100
Field wet density t/m³	2.45	2.48	2.45	2.48	2.46	2.47
Field dry density t/m³	2.30	2.31	2.30	2.33	2.32	2.33
Field moisture content %	7.0	7.0	6.5	6.5	6.0	6.0

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

Date of assignment	06/04/2022
Material source and location	20mm Class 2 - MVQ, Wyndham Vale
Compactive effort	MODIFIED
Maximum Dry Density t/m³	2.30
Optimum Moisture Content %	7.0

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/m³	-	-	-	-	-	-
Adjusted Optimum Moisture Content %	-	-	-	-	-	-

Moisture Variation From Optimum Moisture Content	0.0% dry	0.0% wet	0.5% dry	0.5% dry	1.0% dry	1.0% dry
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Moisture Ratio (R_m) %	96.5	101.0	93.5	93.5	87.0	84.5
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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	100.0	101.0	101.0	101.0
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