COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

		Job No	23577
		Report No	23577/R001
		Date Issued	19/07/2023
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AM
Project	ASPIRE - STAGE 36A	*Date tested*	13/07/23
Location	PLUMPTON	*Checked by*	JHF

Feature **CONSTRUCTION LAYER** *Layer thickness* 150 mm *Time:* 13:23

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		**1**	**2**	**3**	**-**	**-**	**-**
Location		Gec Boulevard					
		80 1.5 east of kerb	120 1.6 west of kerb	160 1.5 east of kerb			
Approximate depth below FSL							
Measurement depth	*mm*	125	125	125	-	-	-
Field wet density	*t/m³*	1.80	1.80	1.82	-	-	-
Field moisture content	*%*	23.4	23.9	26.9	-	-	-

Test procedure AS 1289.5.7.1

Test No		1	2	3	-	-	-
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/m³*	1.79	1.80	1.81	-	-	-
Adjusted Peak Converted Wet Density	*t/m³*	-	-	-	-	-	-
Optimum Moisture Content	*%*	24.0	25.0	27.5	-	-	-

Moisture Variation From Optimum Moisture Content		0.5% dry	1.0% dry	0.5% dry	-	-	-

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**	**101.0**	**-**	**-**	**-**

Material description

No 1 - 3 40mm Type A - Masalkovski Quarries

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES
6 - 8 Rose Avenue, Croydon 3136

		Job No	23577
		Report No	23577/R002
		Date Issued	19/07/2023
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	ASPIRE - STAGE 36A	Date tested	14/07/23
Location	PLUMPTON	Checked by	JHF

Feature	**CAPPING**	*Layer thickness*	150 mm	*Time:*	13:25

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		**4**	**5**	**6**	**-**	**-**	**-**
Location		Gec Boulevard					
		80 1.8 east of kerb	120 1.7 west of kerb	160 1.8 east of kerb			
Approximate depth below FSL							
Measurement depth	*mm*	125	125	125	-	-	-
Field wet density	*t/m³*	1.81	1.77	1.78	-	-	-
Field moisture content	*%*	21.4	20.6	21.7	-	-	-

Test procedure AS 1289.5.7.1

Test No		4	5	6	-	-	-
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/m³*	1.80	1.77	1.77	-	-	-
Adjusted Peak Converted Wet Density	*t/m³*	-	-	-	-	-	-
Optimum Moisture Content	*%*	22.0	21.5	22.5	-	-	-

Moisture Variation From Optimum Moisture Content		0.5% dry	1.0% dry	1.0% dry	-	-	-

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**	**-**	**-**	**-**

Material description

No 4 - 6 40mm Type A - Masalkovski Quarries

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

		Job No	23577
		Report No	23577/R003
		Date Issued	24/07/2023
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	BS
Project	ASPIRE - STAGE 36A	*Date tested*	24/07/23
Location	PLUMPTON	*Checked by*	JHF

Feature	**CLASS 3**	*Layer thickness*	170 mm	*Time:*	14:40:11

AS 12892.1.1 & 5.8.1

Test No		**7**	**8**	**9**			
Location		Gec Boulevard					
Chainage		90	140	170			
Offset		1.6 west of kerb	1.7 east of kerb	1.8 west of kerb			
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	150	150	150			
Field wet density	*t/m³*	2.46	2.43	2.45			
Field dry density	*t/m³*	2.30	2.28	2.29			
Field moisture content	*%*	6.5	6.5	7.0			

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

Date of assignment		13/06/2023
Material source and location		20mm Class 3 - MVQ, Wyndham Vale
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.28
Optimum Moisture Content	*%*	8.0

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

Moisture Variation From Optimum Moisture Content	1.0% dry	1.0% dry	0.5% dry			

Moisture Ratio (R_m)	*%*	84.0	84.0	91.5			

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)	*%*	**101.0**	**100.0**	**100.5**			

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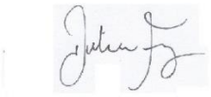
Accredited for compliance with
ISO/IEC 17025 - Testing



Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

		Job No	23577
		Report No	23577/R004
		Date Issued	07/08/2023
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AM
Project	ASPIRE - STAGE 36A	*Date tested*	07/08/23
Location	PLUMPTON	*Checked by*	JHF

Feature	**CLASS 2**	*Layer thickness*	130 mm	*Time:*	08:44:25

AS 12892.1.1 & 5.8.1

Test No		**10**	**11**	**12**			
Location		Gec Boulevard					
Chainage		50	100	150			
Offset		1.8 east of kerb	1.8 west of kerb	1.8 east of kerb			
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	125	125	125			
Field wet density	*t/m³*	2.46	2.47	2.48			
Field dry density	*t/m³*	2.31	2.32	2.31			
Field moisture content	*%*	6.5	6.5	7.0			

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

Date of assignment		21/07/2023
Material source and location		20mm Class 2 - MVQ, Wyndham Vale
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.30
Optimum Moisture Content	*%*	7.5

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

Moisture Variation From Optimum Moisture Content	1.0% dry	0.5% dry	0.0% dry			

Moisture Ratio (R_m)	*%*	87.5	91.5	99.0			

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**	**101.0**	**100.5**			

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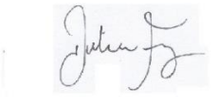

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