

 CIVIL GEOTECHNICAL SERVICES
 Job No
 22662

 6 - 8 Rose Avenue, Croydon 3136
 Report No
 22662/R001

 Date Issued
 26/09/2022

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AM

 Project
 REDSTONE ESTATE - STAGE 9A
 Date tested
 16/09/22

 Location
 SUNBURY
 Checked by
 JHF

Feature CONSTRUCTION LAYER Layer thickness 150 mm Time: 14:22

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		1	2	3	4	5	-
Location		Kioni	Street	Sacred Dve (E Bnd)	Sacred Dve (W Bnd)	Vangel Road	
		50 1.8 east of kerb	100 1.8 west of kerb	850 1.8 east of kerb	850 1.8 west of kerb	285 1.8 east of kerb	
Approximate depth below FSL							
Measurement depth	mm	125	125	125	125	125	-
Field wet density	t/m³	1.82	1.85	1.77	1.76	1.75	-
Field moisture content	%	26.4	23.7	20.8	24.6	23.1	-

Test procedure AS 1289.5.7.1

1001 procedure 110 1200.0.1.1									
Test No		1	2	3	4	5	-		
Compactive effort		Standard							
Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	19.0	-		
Percent of oversize material	wet	0	0	0	0	0	-		
Peak Converted Wet Density	t/m³	1.81	1.85	1.77	1.74	1.73	-		
Adjusted Peak Converted Wet Density	t/m³	•	-	-	-	-	•		
Optimum Moisture Content	%	26.5	24.5	21.0	25.0	24.0	-		

Moisture Variation From	0.0%	1.0%	0.5%	0.5%	1.0%	-
Optimum Moisture Content		dry	dry	dry	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	100.0	101.0	101.0	-

Material description

No 1 - 5 40mm Type A - Masalkovski Quarries

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

AVRLOT HILF V1.10 MAR 13

Approved Signatory : Justin Fry



 CIVIL GEOTECHNICAL SERVICES
 Job No
 22662

 6 - 8 Rose Avenue, Croydon 3136
 Report No
 22662/R002

 Date Issued
 26/09/2022

ClientWINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)Tested byAMProjectREDSTONE ESTATE - STAGE 9ADate tested19/09/22LocationSUNBURYChecked byJHF

Feature CAPPING Layer thickness 160 / 200 mm Time: 14:26

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		6	7	8	9	10	-
Location		Kioni	Street	Sacred	Sacred	Vangel	
				Dve (E	Dve (W	Road	
		50	100	850	850	285	
		1.8	1.8	1.8	1.8	1.8	
		east	west	east	west	east	
		of kerb					
Approximate depth below FSL							
Measurement depth	mm	125	125	175	175	125	-
Field wet density	t/m³	1.76	1.78	1.79	1.79	1.75	-
Field moisture content	%	28.1	25.1	19.8	25.5	24.9	-

Test procedure AS 1289.5.7.1

Test No		6	7	8	9	10	ı
Compactive effort				Stan	dard		
Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	19.0	1
Percent of oversize material	wet	0	0	0	0	0	1
Peak Converted Wet Density	t/m³	1.74	1.76	1.76	1.78	1.75	-
Adjusted Peak Converted Wet Density	t/m³	-	-	-	-	-	-
Optimum Moisture Content	%	28.5	26.0	21.0	26.0	25.0	-

Moisture Variation From	0.0%	1.0%	1.0%	0.5%	0.5%	-
Optimum Moisture Content		dry	dry	dry	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})	%	101.0	101.5	101.5	100.5	100.0	-

Material description

No 6 - 10 40mm Type A - Masalkovski Quarries

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Accredited for compliance with
ISO/IEC 17025 - Testing

AVRLOT HILF V1.10 MAR 13

Approved Signatory : Justin Fry



Job No 22662 CIVIL GEOTECHNICAL SERVICES Report No 22662/R003 6 - 8 Rose Avenue, Croydon, Vic 3136 Date Issued 03/10/2022

WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD) Client Tested by ΑM 03/10/22 Project REDSTONE ESTATE - STAGE 9A Date tested Location SUNBURY Checked by JHF

Feature CLASS 3 100 / 160 Time: 11:55:43 Layer thickness mm

Test No		11	12	13	14	15
Location		Kioni	Street	Vangel Road	Sacred Drive (E Bnd)	Sacred Drive (W Bnd)
	Chainage	50	100	285	850	850
	Offset	1.8	1.8	1.8	1.5	1.5
		east	west	east	east	west
		of kerb	of kerb	of kerb	of kerb	of kerb
Approximate depth from F.S.L.	m					
Measurement depth	mm	75	75	75	125	125
Field wet density	t/m³	2.33	2.34	2.34	2.36	2.34
Field dry density	t/m³	2.22	2.24	2.23	2.26	2.23
Field moisture content	%	5.0	4.5	5.0	4.5	5.0
Compactive effort Maximum Dry Density Optimum Moisture Content	t/m³ %					
Test procedure AS 1289.5.4.1						
Oversize rock retained on sieve	mm	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 Conte	ent %	-	-	-	-	-
Moisture Variation Fron	n	1.0%	1.0%	0.5%	1.0%	0.5%
Optimum Moisture Conte	ent	dry	dry	dry	dry	dry
Spanian moretare control		<i>∽.,</i>	<u> </u>	, <u>~.,</u>	, <u> </u>	<u> </u>
Moisture Ratio (R _m)	%	86.5	80.0	91.5	78.0	87.5
density and moisture ratio res	culte relate	only to the s	oil to the der	oth of test ar	nd not to the fi	Ill denth of the lay
Density Ratio (R _D)	%	98.5	99.0	98.5	100.0	98.5



A581ASSIGNED V1.13 MAR 13

Approved Signatory: Justin Fry



		Job No	22662
CIVIL GEOTE	CHNICAL SERVICES	Report No	22662/R004
6 - 8 Rose Aven	ue, Croydon, Vic 3136	Date Issued	19/10/2022
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB
Project	REDSTONE ESTATE - STAGE 9A	Date tested	19/10/22
Location	SUNBURY	Checked by	JHF

FeatureCLASS 2Layer thickness130 mmTime:09:30:50

Test No		16					
Location		Vangel					
		Road					
	Chainage	285					
	Offset	1.4					
		east					
		of kerb					
Approximate depth from F.S.L.	т						
Measurement depth	mm	100					
Field wet density	t/m³	2.41					
Field dry density	t/m³	2.30					
Field moisture content	%	5.0					
Maximum Dry Density Optimum Moisture Content	t/m³ %				.27 3.0		
Test procedure AS 1289.5.4.1						T	1
Oversize rock retained on sieve	mm	19.0				1	
Percent of oversize material	wet	-					
Decree of a factorial and a state of a factorial			1				
	dry	-		+			
Adjusted Maximum Dry Density	t/m³	-					
Adjusted Maximum Dry Density	t/m³	-					
Adjusted Maximum Dry Density	t/m³	1.0%					
	t/m³	1.0%					
Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten	t/m³	-					
Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten Moisture Variation From Optimum Moisture Conter	t/m³	1.0%					
Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten Moisture Variation From	t/m³ t %	1.0% dry 84.5	oil to the dep	oth of test an	d not to the f	ull depth of th	e layer

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Approved Signatory : Justin Fry



 CIVIL GEOTECHNICAL SERVICES
 Job No
 22662

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 22662/R005

 Date Issued
 27/10/2022

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AM

 Project
 REDSTONE ESTATE - STAGE 9A
 Date tested
 27/10/22

 Location
 SUNBURY
 Checked by
 JHF

FeatureCLASS 2Layer thickness110 / 130 mmTime:10:56:59

Test No		17	18	19	20		
Location		Sacred Drive (E Bnd)	Sacred Drive (W Bnd)	Kioni	Street		
	Chainage	850	850	50	100		
	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.	т						
Measurement depth	mm	75	75	100	100		
Field wet density	t/m³	2.39	2.40	2.39	2.39		
Field dry density	t/m³	2.27	2.28	2.27	2.26		
Field moisture content	%	5.5	5.0	5.5	5.5		
Maximum Dry Density Optimum Moisture Content	<i>t/m</i> ³ %			6.			
Test procedure AS 1289.5.4.1						I	ı
Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0		
Percent of oversize material	wet	-	-	-	-		
Percent of oversize material	dry t/m³	-	-	-	-		
Adjusted Maximum Dry Density Adjusted Optimum Moisture Cont		-	-		-		
Adjusted Optimum Moisture Cont	ent 70	-	-		-		
Moisture Variation Fro.	m	0.5%	1.0%	1.0%	0.5%		
Optimum Moisture Con	tent	dry	dry	dry	dry		
,			, ,		,		•
Moisture Ratio (R _m)	%	88.5	83.5	87.5	91.5		
density and moisture ratio re	esults relate					ıll depth of th	ne layer
Density Ratio (R _D)	%	100.0	100.5	100.0	100.0	· · · · · · · · · · · · · · · · · · ·	I

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