

 CIVIL GEOTECHNICAL SERVICES
 Job No
 20612

 6 - 8 Rose Avenue, Croydon 3136
 Report No
 20612/R001

 Date Issued
 06/02/2021

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AC

 Project
 REDSTONE HILL - STAGE 2
 Date tested
 17/11/20

 Location
 SUNBURY
 Checked by
 JHF

Feature CAPPING Layer thickness 320 mm Time: 11:32

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		1	2	3	4	5	-
Location		Eaglehawk Street	Sacred Road	Origin Circuit	Origin Cct (N Bnd)	Origin Cct (S Bnd)	
		15 1.8 east of kerb	20 1.8 north of kerb	320 1.8 west of kerb	260 1.8 east of kerb	260 1.8 west of kerb	
Approximate depth below FSL							
Measurement depth	mm	300	300	300	300	300	-
Field wet density	t/m³	2.01	1.97	1.98	1.97	2.01	-
Field moisture content	%	16.7	18.7	16.9	19.1	18.6	-

Test procedure AS 1289.5.7.1

Test No		1	2	3	4	5	-
Compactive effort				Star	ndard		
Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	19.0	-
Percent of oversize material	wet	3	0	4	2	0	-
Peak Converted Wet Density	t/m³	1.98	1.96	1.93	1.97	2.01	-
Adjusted Peak Converted Wet Density	t/m³	1.99	-	1.95	1.97	-	-
Optimum Moisture Content	%	17.5	19.5	18.0	19.5	19.5	-

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

Density Ratio (R <sub>HD</sub> )	%	100.5	100.5	102.0	100.0	100.0	-

#### Material description

No 1 - 5 40mm Type A - Masalkovski Quarries

NATA

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AVRLOT HILF V1.10 MAR 13



Location

### **COMPACTION ASSESSMENT**

Job No 20612 **CIVIL GEOTECHNICAL SERVICES** Report No 20612/R002 Date Issued 04/02/2021 6 - 8 Rose Avenue, Croydon 3136 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD) Client Tested by AC **REDSTONE HILL - STAGE 2** Date tested 30/11/20 **Project SUNBURY** 

Feature **CAPPING** Layer thickness 190 mm Time: 10:01

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		6	7	8	9	10	11
Location			Nira	Drive		Origin Circuit (N Bnd)	Origin Circuit (S Bnd)
		175 1.7 east of kerb	210 1.8 south of kerb	260 1.8 north of kerb	310 1.8 west of kerb	240 1.8 east of kerb	240 1.8 west of kerb
Approximate depth below FSL							
Measurement depth	mm	150	150	150	150	150	150
Field wet density	t/m³	1.75	1.75	1.78	1.77	1.75	1.72
Field moisture content	%	28.0	27.5	28.0	29.0	28.6	25.1

Test procedure AS 1289.5.7.1

Test No		6	7	8	9	10	11
Compactive effort				Star	ndard		
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/m³	1.75	1.72	1.78	1.76	1.74	1.72
Adjusted Peak Converted Wet Density	t/m³	-	-	-	-	-	-
Optimum Moisture Content	%	28.5	28.0	28.5	29.5	29.0	26.0

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

Density Ratio (R <sub>HD</sub> )	%	100.0	101.5	100.5	100.5	100.5	100.0

## Material description

No 6 - 11 40mm Type A - Masalkovski Quarries



Checked by

JHF

AVRLOT HILF V1.10 MAR 13



 CIVIL GEOTECHNICAL SERVICES
 Job No
 20612

 6 - 8 Rose Avenue, Croydon 3136
 Report No
 20612/R003

 Date Issued
 11/12/2020

ClientWINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)Tested byACProjectREDSTONE HILL - STAGE 2Date tested30/11/20LocationSUNBURYChecked byJHF

Feature CAPPING Layer thickness 190 mm Time: 11:06

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		12	13	14	15	16	17
Location		Flycatcher Way		Lory Circuit			
	Chainage Offset	10 1.8 north of kerb	160 1.8 south of kerb	210 1.8 north of kerb	260 1.8 south of kerb	310 1.8 west of kerb	50 1.8 east of kerb
Approximate depth below FSL							
Measurement depth	mm	150	150	150	150	150	150
Field wet density	t/m³	1.84	1.82	1.85	1.85	1.84	1.85
Field moisture content	%	20.3	25.1	23.3	22.9	25.6	26.0

Test procedure AS 1289.5.7.1

Test No		12	13	14	15	16	17
Compactive effort				Star	ndard		
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/m³	1.83	1.80	1.85	1.83	1.83	1.85
Adjusted Peak Converted Wet Density	t/m³	-	-	-	-	-	-
Optimum Moisture Content	%	21.0	25.5	24.0	23.5	26.5	27.0

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

Density Ratio (R <sub>HD</sub> )	%	101.0	101.0	100.0	101.0	100.5	100.0

## Material description

No 12 - 17 40mm Type A - Masalkovski Quarries

NATA

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Accreditation No 9909



Job No 20612 **CIVIL GEOTECHNICAL SERVICES** Report No 20612/R004 Date Issued 14/12/2020 6 - 8 Rose Avenue, Croydon 3136 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD) Client Tested by AC Project **REDSTONE HILL - STAGE 2** Date tested 30/11/20 Location **SUNBURY** Checked by JHF

Feature CAPPING Layer thickness 320 mm Time: 12:00

Test No		18	-	-	-	-	-
Location		Sacred					
	Ļ	Road					
Ch	nainage	50					
	Offset	1.8					
		south					
		of kerb					
Approximate depth below FSL							
Measurement depth	mm	300	-	-	-	-	-
Field wet density	t/m³	1.90	-	-	-	-	-
Field moisture content	%	23.1	-	-	-	-	
		40					T
	$\Box$	18	-	- Cton	- dord	-	-
Test No Compactive effort		<u> </u>			dard		i
Test No Compactive effort Oversize rock retained on sieve	mm	19.0	-		dard -	-	-
Test No Compactive effort Oversize rock retained on sieve Percent of oversize material	wet	19.0	-	Stan - -	dard - -		-
Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density	wet t/m³	19.0	-		dard -		i
Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density	wet t/m³ t/m³	19.0 0 1.90	- - -	Stan - -	dard - - -	- - -	
Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density	wet t/m³	19.0 0 1.90	- - -	Stan - - - -	dard - - - -	- - -	- - -
Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content	wet t/m³ t/m³	19.0 0 1.90 - 24.0	- - - -	Stan - - - -	dard - - - -	- - -	- - -
Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content  Moisture Variation From	wet t/m³ t/m³	19.0 0 1.90 - 24.0	- - -	Stan - - - -	dard - - - -	- - -	- - -
Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content	wet t/m³ t/m³	19.0 0 1.90 - 24.0	- - - -	Stan - - - -	dard - - - -	- - -	- - -
Test No Compactive effort Oversize rock retained on sieve Percent of oversize material Peak Converted Wet Density Adjusted Peak Converted Wet Density Optimum Moisture Content  Moisture Variation From	wet t/m³ t/m³	19.0 0 1.90 - 24.0	- - - -	Stan - - - -	dard - - - -	- - -	- - -

Material description

No 18 - 18 40mm Type A - Masalkovski Quarries

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Accreditation No 9909



CIVIL GEOTECHNICAL SERVICES 6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20612 Report No

20612/R008 Date Issued 03/02/2021

WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD) Client Project REDSTONE HILL - STAGE 2

Tested by AM Date tested 30/01/21 Checked by JHF

**SUNBURY** Location

CLASS 3 (1st Layer) Feature 100 mm 08:04:44 Layer thickness Time:

Test No		33	34	35	36	37	38
Location			Nira				Circuit
C	Chainage	175	225	275	325	165	205
	Offset	1.8	1.8	1.8	1.8	1.8	1.8
		east	south	north	west	south	north
		of kerb	of kerb	of kerb	of kerb	of kerb	of kerb
Approximate depth from F.S.L.	т						
Measurement depth	mm	75	75	75	75	75	75
Field wet density	t/m³	2.36	2.37	2.35	2.37	2.37	2.35
Field dry density	t/m³	2.26	2.24	2.23	2.26	2.26	2.25
Field moisture content	%	4.5	5.5	5.0	5.0	5.0	4.5
Laboratori Commentian AC 1200 F	0 4 9 5 4 9	) Assismad I	Johnson (Coo)	Danam Na O	20110 14 1		
Laboratory Compaction AS 1289.5.2 Date of assignment	2.7 & 5.4. <sub>2</sub>	2 Assignea	values (See I	<u>3/02/18 (3/02</u>			
Material source and location			20mm Cl		m, Oaklands	Lunction	
Compactive effort			20111111 01		IFIED	Gariotion	
Maximum Dry Density	t/m³			2.2			
Optimum Moisture Content	%			6.			
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 Conten	t %	-	-	-	-	-	-
Moisture Variation From	Ī	1.0%	0.5%	0.5%	1.0%	1.0%	1.0%
Optimum Moisture Conten	T .	dry	dry	dry	dry	dry	dry
Moisture Ratio (R <sub>m</sub> )	%	81.5	94.5	90.5	86.0	84.5	81.5
		99.0					

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Job No
CIVIL GEOTECHNICAL SERVICES
Report No
6 - 8 Rose Avenue, Croydon, Vic 3136
Date Issued

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AM

 Project
 REDSTONE HILL - STAGE 2
 Date tested
 30/01/21

 Location
 SUNBURY
 Checked by
 JHF

Feature CLASS 3 (1st Layer) Layer thickness 100 / 170 mm Time: 09:01:32

Test No		39	40	41	42	43	44
Location			Lory Circuit		Flycatcher Way	Origin Cct	Eaglehawk Street
C	hainage	245	285	325	10	335	50
	Offset	1.8	1.8	1.8	1.8	1.8	1.8
		south	north	west	south	east	west
		of kerb	of kerb	of kerb	of kerb	of kerb	of kerb
Approximate depth from F.S.L.	т						
Measurement depth	mm	75	75	75	75	150	150
Field wet density	t/m³	2.36	2.35	2.37	2.34	2.34	2.35
Field dry density	t/m³	2.24	2.24	2.26	2.22	2.23	2.23
Field moisture content	%	5.5	5.0	5.0	5.0	5.0	5.5
Compactive effort  Maximum Dry Density  Optimum Moisture Content	t/m³ %			2.	DIFIED 28 5.0		
Test procedure AS 1289.5.4.1		10.0	400	40.0	1 400		
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	-	-	-	-	-	-
A.I. ( IAA ' D D ')	t/m³	-	-	-	-	-	-
Adjusted Maximum Dry Density							
Adjusted Maximum Dry Density Adjusted Optimum Moisture Content		-	-	-	-	-	-
• • • • • • • • • • • • • • • • • • • •		0.5%	1.0%	1.0%	1.0%	1.0%	0.5%
Adjusted Optimum Moisture Content	%		- 1.0% dry	- 1.0% dry	1.0% dry	1.0% dry	- 0.5% dry
Adjusted Optimum Moisture Content  Moisture Variation From	%	0.5%					

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20612

20612/R009

03/02/2021



 CIVIL GEOTECHNICAL SERVICES
 Job No
 20612

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 20612/R010

 Date Issued
 03/02/2021

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AM

 Project
 REDSTONE HILL - STAGE 2
 Date tested
 30/01/21

 Location
 SUNBURY
 Checked by
 JHF

Feature CLASS 3 (1st Layer) Layer thickness 170 mm Time: 09:46:47

Test No	4	45	46				
Location	Orig	in Cct	Origin Cct				
	(S	Bnd)	(N Bnd)				
Chair	nage 2	240	240				
Of	fset 1	1.5	1.5				
	е	ast	west				
	of	kerb	of kerb				
Approximate depth from F.S.L.	т						
Measurement depth	mm 1	50	150				
Field wet density	t/m³ 2	.38	2.37				
Field dry density	t/m³ 2.	.25	2.25				
Field moisture content	% 6	3.0	5.5				
Laboratory Compaction AS 1289.5.2.1 &	5.4.2 Ass	igned \	/alues (See I	Report No 2	203HOJAJ)		
Date of assignment			-	03/0	)2/2021		
Material source and location			20mm Cl		cim, Oakland	ds Junction	
Compactive effort					DIFIED		
, ,	t/m³				2.28		
Optimum Moisture Content	%				6.0		
Test procedure AS 1289.5.4.1							
<u> </u>	mm 1	9.0	19.0				
Percent of oversize material	wet	-	-				
Percent of oversize material	dry	-	-				
Adjusted Maximum Dry Density	t/m³	-	-				
Adjusted Optimum Moisture Content	%	-	-				
	<u>-</u>				-		
Moisture Variation From	0.	0%	0.5%				
Optimum Moisture Content	٧	vet	dry				
Moisture Ratio (R <sub>m</sub> )	% 10	)2.5	92.5				
		0.0	00.0				
Density Ratio (R <sub>D</sub> )	% 9	9.0	99.0				

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 CIVIL GEOTECHNICAL SERVICES
 Job No
 20612

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 20612/R011

 Date Issued
 02/02/2021

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AM

 Project
 REDSTONE HILL - STAGE 2
 Date tested
 01/02/21

 Location
 SUNBURY
 Checked by
 JHF

Feature CLASS 3 (2nd Layer) Layer thickness 100 mm Time: 10:46:44

Test No		47	48	49	50	51	52
Location			Nira	Drive	<u> </u>	Lory (	Circuit
	1						
CI	hainage	175	225	275	325	155	195
	Offset	1.8	1.8	1.8	1.8	1.8	1.8
		east	south	north	west	south	north
		of kerb	of kerb	of kerb	of kerb	of kerb	of kerb
Approximate depth from F.S.L.	т						
Measurement depth	mm	75	75	75	75	75	75
Field wet density	t/m³	2.36	2.44	2.38	2.37	2.43	2.42
Field dry density	t/m³	2.24	2.30	2.25	2.24	2.29	2.28
Field moisture content	%	5.5	6.5	6.0	6.0	6.5	6.0
Date of assignment  Material source and location  Compactive effort			20mm Cl	lass 3 - Holci	2/2020 im, Oaklands IFIED	Junction	
Compactive effort				MOD	IFIED		
Maximum Dry Density	t/m³			2.2			
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/m³	-	-	-	-	-	-
Adjusted Optimum Moisture Content	%	-	-	-	-	-	-
				1	0.0%	0.5%	0.5%
Moisture Variation From		0.5%	0.5%	0.5%	0.0%	1 0.070	
Moisture Variation From Optimum Moisture Content		0.5% dry	0.5% wet	0.5% wet	wet	wet	wet
	%						

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July 5

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 CIVIL GEOTECHNICAL SERVICES
 Job No
 20612

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 20612/R012

 Date Issued
 02/02/2021

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AM

 Project
 REDSTONE HILL - STAGE 2
 Date tested
 01/02/21

 Location
 SUNBURY
 Checked by
 JHF

Feature CLASS 3 (2nd Layer) Layer thickness 100 mm Time: 11:38:16

Test No		53	54	55	56	57	58
Location			Lory Circuit		Flycatcher	Origin Cct	Eaglehawk
					Way		Street
	Chainage	235	275	315	50	335	50
	Offset	1.8	1.8	1.8	1.8	1.8	1.8
		south	north	east	south	east	west
		of kerb	of kerb	of kerb	of kerb	of kerb	of kerb
Approximate depth from F.S.L.	т						
Measurement depth	mm	75	75	75	75	75	75
Field wet density	t/m³	2.34	2.36	2.35	2.35	2.33	2.37
Field dry density	t/m³	2.22	2.23	2.23	2.24	2.23	2.24
Field moisture content	%	5.0	6.0	5.0	5.0	5.0	6.0
Material source and location  Compactive effort  Maximum Dry Density	t/m³		20111111 01	MOE	im, Oaklands DIFIED 27	Cariotion	
,	t/m³						
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/m³	-	-	-	-	•	-
Adjusted Optimum Moisture Conte	nt %	-	-	-	-	-	-
Adjusted Optimum Moisture Conte	<del>'</del>	0.5%	0.0%	0.5%	0.5%	1.0%	0.0%
•	,		0.0% wet	0.5% dry	0.5% dry	1.0% dry	0.0% wet
Moisture Variation From	,	0.5% dry					
Moisture Variation From Optimum Moisture Conte	,						
Moisture Variation From	nt	dry	wet	dry	dry	dry	wet

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Accreditation No 9909



 CIVIL GEOTECHNICAL SERVICES
 Job No
 20612

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 20612/R013

 Date Issued
 02/02/2021

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AM

 Project
 REDSTONE HILL - STAGE 2
 Date tested
 01/02/21

 Location
 SUNBURY
 Checked by
 JHF

Feature CLASS 3 (2nd Layer) Layer thickness 100 mm Time: 12:20:08

Test No		59	60				
Location		Origin Cct					<del>                                     </del>
		(S Bnd)	(N Bnd)				
	Chainage	240	240				
	Offset	1.7	1.6				
		east	west				
		of kerb	of kerb				
Approximate depth from F.S.L.	m						
Measurement depth	mm	75	75				
Field wet density	t/m³	2.35	2.38				
Field dry density	t/m³	2.23	2.23				
Field moisture content	%	5.0	6.5				
Laboratory Compaction AS 1289.5  Date of assignment			•	08/12/2	2020	lunation	
Material source and location			20mm Cl	ass 3 - Holcin		Junction	
Compactive effort	./. 2			MODIF			
Maximum Dry Density	t/m³			2.27			
Optimum Moisture Content	%			6.0	)		
Test procedure AS 1289.5.4.1							
Oversize rock retained on sieve	mm	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	0.5%	0.5%				
Optimum Moisture Conte	ent	dry	wet				
Moisture Ratio (R <sub>m</sub> )	%	90.0	109.0				
	_	22.0	22.5			_	<del>-</del>
Density Ratio $(R_D)$	%	98.0	98.5				

The results docu

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Accreditation No 9909



 CIVIL GEOTECHNICAL SERVICES
 Job No
 20612

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 20612/R014

 Date Issued
 03/02/2021

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AM

 Project
 REDSTONE HILL - STAGE 2
 Date tested
 03/02/21

 Location
 SUNBURY
 Checked by
 JHF

Feature CLASS 2 Layer thickness 130 mm Time: 09:16:03

Test No		61	62	63	64	65	66
Location			Nira	Drive		Lory (	Circuit
Ch	ainage	175	225	275	325	160	210
	Offset	1.8	1.8	1.8	1.8	1.8	1.8
		east	south	north	west	south	north
		of kerb	of kerb	of kerb	of kerb	of kerb	of kerb
Approximate depth from F.S.L.	m						
Measurement depth	mm	100	100	100	100	100	100
Field wet density	t/m³	2.38	2.36	2.38	2.37	2.40	2.41
Field dry density	t/m³	2.27	2.26	2.27	2.26	2.29	2.29
Field moisture content	%	4.5	4.5	5.0	5.0	4.5	5.0
Compactive effort  Maximum Dry Density  Optimum Moisture Content	t/m³ %			MOD 2.3 5.			
Test procedure AS 1289.5.4.1		10.0	40.0	40.0	40.0	40.0	40.0
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 t/m³	-	-	-	-	-	-
		-	-	-	-	-	-
Adjusted Maximum Dry Density							
Adjusted Maximum Dry Density	%	-	-	-	-	-	-
		1.0%	1.0%	0.5%	1.0%	1.0%	0.5%
Adjusted Maximum Dry Density Adjusted Optimum Moisture Content			- 1.0% dry		- 1.0% dry		- 0.5% dry
Adjusted Maximum Dry Density Adjusted Optimum Moisture Content  Moisture Variation From		1.0%		0.5%		1.0%	

The results docu

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Client

### **COMPACTION ASSESSMENT**

CIVIL GEOTECHNICAL SERVICES

Job No Report No Date Issued 20612 20612/R015 03/02/2021

6 - 8 Rose Avenue, Croydon, Vic 3136

WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)

Tested by

Date tested

AM 03/02/21

Project REDSTONE HILL - STAGE 2
Location SUNBURY

Date tested Checked by

JHF

Feature CLASS 2

Layer thickness

130 / 100 mm

Time:

09:25:38

Test No		67	68	69	70	
Location		Lory (	Circuit	Flycatcher	Sacred	
		•		Way	Road	
(	Chainage	260	310	10	30	1
	Offset	1.8	1.8	1.8	1.8	
		south	east	north	south	
		of kerb	of kerb	of kerb	of kerb	
Approximate depth from F.S.L.	т					
Measurement depth	mm	100	100	100	75	
Field wet density	t/m³	2.39	2.39	2.37	2.37	
Field dry density	t/m³	2.26	2.25	2.27	2.26	
Field moisture content	%	5.5	6.0	4.5	4.5	
Maximum Dry Density Optimum Moisture Content	t/m³ %			2.3 5.		
Test procedure AS 1289.5.4.1						
Test procedure AS 1289.5.4.1 Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	
Oversize rock retained on sieve Percent of oversize material	mm wet	19.0	19.0 -	19.0	19.0	
Oversize rock retained on sieve Percent of oversize material Percent of oversize material	wet dry	19.0 - -	19.0 - -	19.0	19.0 - -	
Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density	wet dry t/m³	-	19.0 - - -	19.0 - -	-	
Oversize rock retained on sieve Percent of oversize material Percent of oversize material	wet dry t/m³	-	19.0 - - - -	-	-	
Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten	wet dry t/m³	- - -	- - - -		- - -	
Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten	wet dry t/m³ nt %	0.0%	0.5%	- - - - 1.0%	- - - - 1.0%	
Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten	wet dry t/m³ nt %	- - -	- - - -		- - -	
Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten	wet dry t/m³ nt %	0.0%	0.5%	- - - - 1.0%	- - - - 1.0%	
Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten  Moisture Variation From Optimum Moisture Conten	wet dry t/m³ nt %	- - - - 0.0% dry	- - - - 0.5% wet	- - - - 1.0% dry	- - - - 1.0% dry	

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Accredited for compliance with ISO/IEC 17025 - Testing

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Approved Signatory : Justin Fry

Accreditation No 9909



Job No
CIVIL GEOTECHNICAL SERVICES
Report No
6 - 8 Rose Avenue, Croydon, Vic 3136
Date Issued

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AM

 Project
 REDSTONE HILL - STAGE 2
 Date tested
 03/02/21

 Location
 SUNBURY
 Checked by
 JHF

Feature CLASS 2 Layer thickness 110 / 100 mm Time: 09:32:25

AS 12892.1.1 & 5.8.1						
Test No		71	72	73	74	
Location		Origin Cct (S Bnd)	Origin Cct (N Bnd)	Eaglehawk e Street	Origin Cct	
Ch	ainage	250	250	50	330	
	Offset	1.5	1.5	1.8	1.8	
		east	west	east	west	
		of kerb	of kerb	of kerb	of kerb	
Approximate depth from F.S.L.	т					
Measurement depth	mm	75	75	75	75	
Field wet density	t/m³	2.39	2.39	2.44	2.41	
Field dry density	t/m³	2.28	2.28	2.32	2.29	
Field moisture content	%	5.0	4.5	5.0	5.0	
Laboratory Compaction AS 1289.5.2.: Date of assignment	1 & 5.4	2 Assigned \	·	28/01	/2021	
Material source and location			20mm C	lass 2 - Holci	•	Junction
Compactive effort					IFIED	
Maximum Dry Density	t/m³			2.3		
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/m³	-	-	-	-	
Adjusted Optimum Moisture Content	%	-	-	-	-	
Moisture Variation From		1.0%	1.0%	0.5%	0.5%	
Optimum Moisture Content		dry	dry	dry	dry	
Moisture Ratio (R <sub>m</sub> )	%	84.5	82.5	87.5	87.0	
Density Ratio (R <sub>D</sub> )	%	99.5	99.5	101.0	100.0	Т

NATA

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20612

20612/R016

03/02/2021

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