



COMPACTION ASSESSMENT

Job No 20612
 Report No 20612/R001
 Date Issued 06/02/2021

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

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
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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	20	320	260	260	
	1.8	1.8	1.8	1.8	1.8	
	east of kerb	north of kerb	west of kerb	east of kerb	west of kerb	
Approximate depth below FSL						
Measurement depth	mm	300	300	300	300	-
Field wet density	t/m ³	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	Standard					
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/m ³	1.98	1.96	1.93	1.97	2.01
Adjusted Peak Converted Wet Density	t/m ³	1.99	-	1.95	1.97	-
Optimum Moisture Content	%	17.5	19.5	18.0	19.5	19.5

Moisture Variation From Optimum Moisture Content	1.0% dry	1.0% dry	1.0% dry	0.5% dry	1.0% dry	-
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Density Ratio (R _{HD})	%	100.5	100.5	102.0	100.0	100.0	-
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Material description

No 1 - 5 40mm Type A - Masalkovski Quarries

AVRLOT HILF V1.10 MAR 13



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Accreditation No 9909

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

Job No 20612
 Report No 20612/R002
 Date Issued 04/02/2021

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	REDSTONE HILL - STAGE 2	Date tested	30/11/20
Location	SUNBURY	Checked by	JHF

Feature	CAPPING	Layer thickness	190 mm	Time: 10:01
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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
Field wet density	t/m ³	1.75	1.75	1.78	1.77	1.75
Field moisture content	%	28.0	27.5	28.0	29.0	28.6

Test procedure AS 1289.5.7.1

Test No	6	7	8	9	10	11
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/m ³	1.75	1.72	1.78	1.76	1.74
Adjusted Peak Converted Wet Density	t/m ³	-	-	-	-	-
Optimum Moisture Content	%	28.5	28.0	28.5	29.5	29.0

Moisture Variation From Optimum Moisture Content	0.5% dry	0.5% dry	0.5% dry	0.5% dry	0.5% dry	1.0% dry
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Density Ratio (R _{HD})	%	100.0	101.5	100.5	100.5	100.5	100.0
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Material description

No 6 - 11 40mm Type A - Masalkovski Quarries
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COMPACTION ASSESSMENT

Job No 20612
 Report No 20612/R003
 Date Issued 11/12/2020

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	REDSTONE HILL - STAGE 2	Date tested	30/11/20
Location	SUNBURY	Checked by	JHF

Feature	CAPPING	Layer thickness	190 mm	Time: 11:06
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	12	13	14	15	16	17
Location	Flycatcher Way	Lory Circuit				Eaglehawk Street
Chainage	10	160	210	260	310	50
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	west of kerb	east of kerb
Approximate depth below FSL						
Measurement depth	mm	150	150	150	150	150
Field wet density	t/m ³	1.84	1.82	1.85	1.85	1.85
Field moisture content	%	20.3	25.1	23.3	22.9	26.0

Test procedure AS 1289.5.7.1

Test No	12	13	14	15	16	17
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/m ³	1.83	1.80	1.85	1.83	1.85
Adjusted Peak Converted Wet Density	t/m ³	-	-	-	-	-
Optimum Moisture Content	%	21.0	25.5	24.0	23.5	27.0

Moisture Variation From Optimum Moisture Content	0.5% dry	0.5% dry	0.5% dry	0.5% dry	1.0% dry	1.0% dry
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Density Ratio (R _{HD})	%	101.0	101.0	100.0	101.0	100.5	100.0
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Material description

No 12 - 17 40mm Type A - Masalkovski Quarries

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COMPACTION ASSESSMENT

Job No 20612
 Report No 20612/R004
 Date Issued 14/12/2020

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	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
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	18	-	-	-	-	-
Location	Sacred Road					
Chainage	50					
Offset	1.8 south of kerb					
Approximate depth below FSL						
Measurement depth	mm 300	-	-	-	-	-
Field wet density	t/m ³ 1.90	-	-	-	-	-
Field moisture content	% 23.1	-	-	-	-	-

Test procedure AS 1289.5.7.1

Test No	18	-	-	-	-	-
Compactive effort		Standard				
Oversize rock retained on sieve	mm 19.0	-	-	-	-	-
Percent of oversize material	wet 0	-	-	-	-	-
Peak Converted Wet Density	t/m ³ 1.90	-	-	-	-	-
Adjusted Peak Converted Wet Density	t/m ³ -	-	-	-	-	-
Optimum Moisture Content	% 24.0	-	-	-	-	-

Moisture Variation From Optimum Moisture Content	1.0% dry	-	-	-	-	-
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Density Ratio (R _{HD})	% 100.0	-	-	-	-	-
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Material description

No 18 - 18 40mm Type A - Masalkovski Quarries

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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20612
 Report No 20612/R008
 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	100 mm	Time:	08:04:44
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AS 12892.1.1 & 5.8.1							
Test No		33	34	35	36	37	38
Location		Nira Drive				Lory Circuit	
	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.	m						
Measurement depth	mm	75	75	75	75	75	75
Field wet density	t/m ³	2.36	2.37	2.35	2.37	2.37	2.35
Field dry density	t/m ³	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
<i>Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203HOJAJ)</i>							
Date of assignment		03/02/2021					
Material source and location		20mm Class 3 - Holcim, Oaklands Junction					
Compactive effort		MODIFIED					
Maximum Dry Density	t/m ³	2.28					
Optimum Moisture Content	%	6.0					
<i>Test procedure AS 1289.5.4.1</i>							
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		1.0% dry	0.5% dry	0.5% dry	1.0% dry	1.0% dry	1.0% dry
Moisture Ratio (R_m)	%	81.5	94.5	90.5	86.0	84.5	81.5
Density Ratio (R_D)	%	99.0	98.5	98.0	99.5	99.0	99.0

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Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20612
Report No 20612/R009
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	100 / 170 mm	Time:	09:01:32
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AS 12892.1.1 & 5.8.1

Test No	39	40	41	42	43	44
Location	Lory Circuit			Flycatcher Way	Origin Cct	Eaglehawk Street
Chainage	245	285	325	10	335	50
Offset	1.8	1.8	1.8	1.8	1.8	1.8
	south of kerb	north of kerb	west of kerb	south of kerb	east of kerb	west of kerb
Approximate depth from F.S.L.	m					
Measurement depth	mm	75	75	75	150	150
Field wet density	t/m ³	2.36	2.35	2.37	2.34	2.34
Field dry density	t/m ³	2.24	2.24	2.26	2.22	2.23
Field moisture content	%	5.5	5.0	5.0	5.0	5.5

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

Date of assignment	03/02/2021
Material source and location	20mm Class 3 - 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	1.0% dry	1.0% dry	1.0% dry	1.0% dry	0.5% dry
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Moisture Ratio (R_m)	%	91.5	85.5	83.0	86.0	82.5	94.0
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Density Ratio (R_D)	%	98.5	98.0	99.5	98.0	98.0	98.0
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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20612
 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
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AS 12892.1.1 & 5.8.1						
Test No		45	46			
Location	Origin Cct (S Bnd)		Origin Cct (N Bnd)			
	Chainage	240	240			
	Offset	1.5 east of kerb	1.5 west of kerb			
Approximate depth from F.S.L.	m					
Measurement depth	mm	150	150			
Field wet density	t/m ³	2.38	2.37			
Field dry density	t/m ³	2.25	2.25			
Field moisture content	%	6.0	5.5			
Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203HOJAJ)						
Date of assignment		03/02/2021				
Material source and location		20mm Class 3 - 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			
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% dry			
Moisture Ratio (R_m)	%	102.5	92.5			
Density Ratio (R_D)	%	99.0	99.0			

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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20612
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
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AS 12892.1.1 & 5.8.1

Test No	47	48	49	50	51	52
Location	Nira Drive				Lory Circuit	
Chainage	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.	m					
Measurement depth	mm	75	75	75	75	75
Field wet density	t/m ³	2.36	2.44	2.38	2.37	2.43
Field dry density	t/m ³	2.24	2.30	2.25	2.24	2.28
Field moisture content	%	5.5	6.5	6.0	6.0	6.0

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

Date of assignment	08/12/2020
Material source and location	20mm Class 3 - 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	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% wet	0.5% wet	0.0% wet	0.5% wet	0.5% wet
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Moisture Ratio (R_m)	%	94.5	107.5	105.0	101.0	109.5	105.0
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Density Ratio (R_D)	%	98.5	101.0	99.0	98.5	100.5	100.5
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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20612
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
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AS 12892.1.1 & 5.8.1

Test No	53	54	55	56	57	58	
Location	Lory Circuit			Flycatcher Way	Origin Cct	Eaglehawk Street	
Chainage	235	275	315	50	335	50	
Offset	1.8	1.8	1.8	1.8	1.8	1.8	
	south of kerb	north of kerb	east of kerb	south of kerb	east of kerb	west of kerb	
Approximate depth from F.S.L.	m						
Measurement depth	mm	75	75	75	75	75	
Field wet density	t/m ³	2.34	2.36	2.35	2.35	2.33	2.37
Field dry density	t/m ³	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

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

Date of assignment	08/12/2020
Material source and location	20mm Class 3 - 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	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	0.0% wet	0.5% dry	0.5% dry	1.0% dry	0.0% wet
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Moisture Ratio (R_m)	%	88.5	103.0	88.0	89.5	82.0	101.0
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Density Ratio (R_D)	%	98.0	98.0	98.5	98.5	98.0	98.5
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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20612
 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
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AS 12892.1.1 & 5.8.1						
Test No	59	60				
Location	Origin Cct (S Bnd)	Origin Cct (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/m ³	2.35	2.38			
Field dry density	t/m ³	2.23	2.23			
Field moisture content	%	5.0	6.5			
Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203HOJAI)						
Date of assignment	08/12/2020					
Material source and location	20mm Class 3 - 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			
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% wet			
Moisture Ratio (R_m)	%	90.0	109.0			
Density Ratio (R_D)	%	98.0	98.5			

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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20612
 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
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AS 12892.1.1 & 5.8.1							
Test No		61	62	63	64	65	66
Location		Nira Drive				Lory Circuit	
	Chainage	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/m ³	2.38	2.36	2.38	2.37	2.40	2.41
Field dry density	t/m ³	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
<i>Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 202HOJBR)</i>							
Date of assignment		28/01/2021					
Material source and location		20mm Class 2 - Holcim, Oaklands Junction					
Compactive effort		MODIFIED					
Maximum Dry Density	t/m ³	2.30					
Optimum Moisture Content	%	5.5					
<i>Test procedure AS 1289.5.4.1</i>							
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	%	-	-	-	-	-	-
		1.0%	1.0%	0.5%	1.0%	1.0%	0.5%
		dry	dry	dry	dry	dry	dry
Moisture Ratio (R _m)	%	81.5	79.0	89.5	85.0	79.0	90.5
Density Ratio (R _D)	%	99.0	98.5	99.0	98.5	100.0	100.0

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Accreditation No 9909

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20612
 Report No 20612/R015
 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 / 100 mm	Time:	09:25:38
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AS 12892.1.1 & 5.8.1

Test No	67	68	69	70		
Location	Lory Circuit		Flycatcher Way	Sacred Road		
Chainage	260	310	10	30		
Offset	1.8	1.8	1.8	1.8		
	south of kerb	east of kerb	north of kerb	south of kerb		
Approximate depth from F.S.L.	m					
Measurement depth	mm	100	100	100	75	
Field wet density	t/m ³	2.39	2.39	2.37	2.37	
Field dry density	t/m ³	2.26	2.25	2.27	2.26	
Field moisture content	%	5.5	6.0	4.5	4.5	

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

Date of assignment	28/01/2021
Material source and location	20mm Class 2 - Holcim, Oaklands Junction
Compactive effort	MODIFIED
Maximum Dry Density	t/m ³ 2.30
Optimum Moisture Content	%

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	0.0%	0.5%	1.0%	1.0%		
	dry	wet	dry	dry		

Moisture Ratio (R_m)	%	99.5	108.5	78.5	82.0		
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Density Ratio (R_D)	%	98.5	98.0	99.0	98.5		
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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20612
 Report No 20612/R016
 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	110 / 100 mm	Time:	09:32:25
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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	
	Chainage	250	250	50	330	
	Offset	1.5	1.5	1.8	1.8	
		east of kerb	west of kerb	east of kerb	west of kerb	
Approximate depth from F.S.L.	m					
Measurement depth	mm	75	75	75	75	
Field wet density	t/m ³	2.39	2.39	2.44	2.41	
Field dry density	t/m ³	2.28	2.28	2.32	2.29	
Field moisture content	%	5.0	4.5	5.0	5.0	
Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 202HOJBR)						
Date of assignment		28/01/2021				
Material source and location		20mm Class 2 - Holcim, Oaklands Junction				
Compactive effort		MODIFIED				
Maximum Dry Density	t/m ³	2.30				
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		1.0% dry	1.0% dry	0.5% dry	0.5% dry	
Moisture Ratio (R_m)	%	84.5	82.5	87.5	87.0	
Density Ratio (R_D)	%	99.5	99.5	101.0	100.0	

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