



## COMPACTION ASSESSMENT

**CIVIL GEOTECHNICAL SERVICES**

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20117  
 Report No 20117/R001  
 Date Issued 02/03/2020

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	WS
Project	EYNESBURY - STAGE 11A5	Date tested	02/03/20
Location	EYNESBURY	Checked by	JHF

<b>Feature</b>	<b>CAPPING</b>	Layer thickness	180 mm	Time:	12:30:00
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AS 12892.1.1 & 5.8.1

Test No	1	2	3			
Location	Greenhill Road					
Chainage	240	190	140			
Offset	1.3	1.6	1.7			
	east	west	east			
	of kerb	of kerb	of kerb			
Approximate depth from F.S.L.	m					
Measurement depth	mm	150	150	150		
Field wet density	t/m <sup>3</sup>	2.17	2.15	2.15		
Field dry density	t/m <sup>3</sup>	1.96	1.93	1.92		
Field moisture content	%	11.0	11.5	12.0		

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

Date of assignment	15/01/2020
Material source and location	40mm Capping - MVQ, Wyndham Vale
Compactive effort	STANDARD
Maximum Dry Density	t/m <sup>3</sup> 1.96
Optimum Moisture Content	% 14.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	37.5	37.5	37.5		
Percent of oversize material	wet	-	-	-		
Percent of oversize material	dry	-	-	-		
Adjusted Maximum Dry Density	t/m <sup>3</sup>	-	-	-		
Adjusted Optimum Moisture Content	%	-	-	-		

<b>Moisture Variation From Optimum Moisture Content</b>	4.0%	3.0%	2.5%			
	dry	dry	dry			

Moisture Ratio ( R <sub>m</sub> )	%	74.0	78.0	82.5		
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Density Ratio ( R <sub>D</sub> )	%	100.0	99.0	98.5		
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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 20117  
 Report No 20117/R002  
 Date Issued 02/03/2020

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	WS
Project	EYNESBURY - STAGE 11A5	Date tested	02/03/20
Location	EYNESBURY	Checked by	JHF

<b>Feature</b>	<b>CAPPING</b>	Layer thickness	150 mm	Time:	12:30:00
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AS 12892.1.1 & 5.8.1

Test No	4	5	6			
Location	Seville Avenue					
Chainage	20	60	80			
Offset	1.3 north of kerb	1.5 south of kerb	1.7 north of kerb			
Approximate depth from F.S.L.	m					
Measurement depth	mm	125	125	125		
Field wet density	t/m <sup>3</sup>	2.25	2.27	2.21		
Field dry density	t/m <sup>3</sup>	1.98	1.99	1.94		
Field moisture content	%	13.5	14.0	14.0		

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

Date of assignment	15/01/2020
Material source and location	40mm Capping - MVQ, Wyndham Vale
Compactive effort	STANDARD
Maximum Dry Density	t/m <sup>3</sup> 1.96
Optimum Moisture Content	% 14.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	37.5	37.5	37.5		
Percent of oversize material	wet	-	-	-		
Percent of oversize material	dry	-	-	-		
Adjusted Maximum Dry Density	t/m <sup>3</sup>	-	-	-		
Adjusted Optimum Moisture Content	%	-	-	-		

<b>Moisture Variation From Optimum Moisture Content</b>	1.0% dry	0.5% dry	0.5% dry			
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Moisture Ratio ( R <sub>m</sub> )	%	94.0	97.0	96.5		
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Density Ratio ( R <sub>D</sub> )	%	101.0	102.0	99.0		
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## COMPACTION ASSESSMENT

### CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20117  
 Report No 20117/R003  
 Date Issued 21/04/2020

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	WS
Project	EYNESBURY - STAGE 11A5	Date tested	21/04/20
Location	EYNESBURY	Checked by	JHF

<b>Feature</b>	<b>CLASS 3</b>	Layer thickness	160 / 140 mm	Time:	10:45:00
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AS 12892.1.1 & 5.8.1

Test No	7	8	9	10	11	12
Location	Greenhill Road			Seville Avenue		
Chainage	240	190	140	20	50	80
Offset	1.4	1.6	1.3	1.5	1.2	1.7
	east	west	north	north	south	north
	of kerb	of kerb	of kerb	of kerb	of kerb	of kerb
Approximate depth from F.S.L.	m					
Measurement depth	mm	125	125	125	125	125
Field wet density	t/m <sup>3</sup>	2.37	2.37	2.37	2.39	2.38
Field dry density	t/m <sup>3</sup>	2.27	2.27	2.27	2.27	2.27
Field moisture content	%	4.5	4.5	4.5	5.0	5.0

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

Date of assignment	31/03/2020
Material source and location	20mm Class 3 - MVQ, Wyndham Vale
Compactive effort	MODIFIED
Maximum Dry Density	t/m <sup>3</sup> 2.31
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 <sup>3</sup>	-	-	-	-	-	-
Adjusted Optimum Moisture Content	%	-	-	-	-	-	-

<b>Moisture Variation From Optimum Moisture Content</b>	3.0%	3.5%	3.0%	2.5%	3.0%	2.5%
	dry	dry	dry	dry	dry	dry

<b>Moisture Ratio ( R<sub>m</sub> )</b>	%	60.5	57.0	60.5	66.0	62.0	67.5
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<b>Density Ratio ( R<sub>D</sub> )</b>	%	<b>98.0</b>	<b>98.0</b>	<b>98.0</b>	<b>98.5</b>	<b>98.5</b>	<b>98.0</b>
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## COMPACTION ASSESSMENT

**CIVIL GEOTECHNICAL SERVICES**

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20117  
 Report No 20117/R004  
 Date Issued 08/07/2020

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	WS
Project	EYNESBURY - STAGE 11A5	Date tested	08/07/20
Location	EYNESBURY	Checked by	JHF

<b>Feature</b>	<b>CLASS 2</b>	Layer thickness	160 / 140 mm	Time:	10:00:00
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AS 12892.1.1 & 5.8.1							
Test No	13	14	15	16	17	18	
Location	Greenhill Road			Seville Avenue			
Chainage	240	190	140	20	50	80	
Offset	1.4	1.7	1.2	1.3	1.6	1.5	
	east	west	north	north	south	north	
	of kerb	of kerb	of kerb	of kerb	of kerb	of kerb	
Approximate depth from F.S.L.	m						
Measurement depth	mm	125	125	125	125	125	125
Field wet density	t/m <sup>3</sup>	2.44	2.43	2.43	2.43	2.44	2.45
Field dry density	t/m <sup>3</sup>	2.33	2.32	2.32	2.32	2.33	2.34
Field moisture content	%	4.5	4.5	4.5	5.0	5.0	4.5
<i>Laboratory Compaction AS 1289.5.2.1 &amp; 5.4.2 Assigned Values (See Report No 202MWWHS)</i>							
Date of assignment	28/05/2020						
Material source and location	20mm Class 2 - MVQ, Wyndham Vale						
Compactive effort	MODIFIED						
Maximum Dry Density	t/m <sup>3</sup>	2.31					
Optimum Moisture Content	%	7.5					
<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 <sup>3</sup>	-	-	-	-	-	-
Adjusted Optimum Moisture Content	%	-	-	-	-	-	-
<b>Moisture Variation From Optimum Moisture Content</b>		3.0% dry	3.0% dry	3.0% dry	2.5% dry	2.5% dry	3.0% dry
<b>Moisture Ratio ( R<sub>m</sub> )</b>	%	60.5	63.0	61.5	65.0	63.5	62.0
<b>Density Ratio ( R<sub>D</sub> )</b>	%	101.0	100.5	100.5	100.0	101.0	101.5

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