



COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20237
Report No 20237/R001
Date Issued 27/04/2020

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	EYNESBURY - STAGE 5B	Date tested	27/04/20
Location	EYNESBURY	Checked by	JHF

Feature	CAPPING	Layer thickness	150 mm	Time:	13:00:34
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AS 12892.1.1 & 5.8.1

Test No	1	2	3	4	5	
Location	Rochester Crescent			Yalca Way	Cobram Drive	
Chainage	lot 5064	lot 5069	lot 5072	lot 5084	5092	
Offset	1.8 east of kerb	1.8 north of kerb	1.8 south 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	125	
Field wet density	t/m ³	2.14	2.14	2.13	2.13	
Field dry density	t/m ³	1.91	1.92	1.93	1.92	
Field moisture content	%	12.5	11.5	10.5	11.5	12.0

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

Date of assignment	30/03/2020
Material source and location	40mm Capping - MVQ, Wyndham Vale
Compactive effort	STANDARD
Maximum Dry Density	t/m ³ 1.95
Optimum Moisture Content	% 14.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	37.5	37.5	37.5	37.5	37.5	
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	2.0% dry	3.0% dry	3.5% dry	3.0% dry	2.5% dry	
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Moisture Ratio (R_m)	%	86.5	79.0	75.0	79.5	82.5	
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Density Ratio (R_D)	%	98.0	98.5	99.0	98.5	98.0	
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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20237
Report No 20237/R002
Date Issued 19/05/2020

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	EYNESBURY - STAGE 5B	Date tested	16/05/20
Location	EYNESBURY	Checked by	JHF

Feature	CLASS 4	Layer thickness	130 mm	Time:	08:58:23
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AS 12892.1.1 & 5.8.1						
Test No	6					
Location	Cobram Drive					
Chainage	lot 5092					
Offset	1.8 north of kerb					
Approximate depth from F.S.L.	m					
Measurement depth	mm	125				
Field wet density	t/m ³	2.53				
Field dry density	t/m ³	2.32				
Field moisture content	%	9.0				
Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 204MWVCN)						
Date of assignment		21/04/2020				
Material source and location		20mm Class 4 - MVQ, Wyndham Vale				
Compactive effort		MODIFIED				
Maximum Dry Density	t/m ³	2.32				
Optimum Moisture Content	%	7.5				
Test procedure AS 1289.5.4.1						
Oversize rock retained on sieve	mm	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		1.5% wet				
Moisture Ratio (R_m)	%	116.5				
Density Ratio (R_D)	%	100.5				

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6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20237
Report No 20237/R003
Date Issued 19/05/2020

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	EYNESBURY - STAGE 5B	Date tested	18/05/20
Location	EYNESBURY	Checked by	JHF

Feature	CLASS 3	Layer thickness	150 mm	Time:	08:02:39
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AS 12892.1.1 & 5.8.1

Test No		7	8	9			
Location		Rochester Crescent					
	Chainage	lot 5064	lot 5069	lot 5072			
	Offset	1.8 north of kerb	1.8 east of kerb	1.8 west of kerb			
Approximate depth from F.S.L.	m						
Measurement depth	mm	125	125	125			
Field wet density	t/m ³	2.41	2.49	2.42			
Field dry density	t/m ³	2.27	2.31	2.31			
Field moisture content	%	6.0	7.5	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 ³	2.31
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/m ³	-	-	-			
Adjusted Optimum Moisture Content	%	-	-	-			

Moisture Variation From Optimum Moisture Content		1.5% dry	0.0% dry	2.5% dry			
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Moisture Ratio (R_m)	%	78.5	99.0	67.5			
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Density Ratio (R_D)	%	98.0	100.0	99.5			
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6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20237
Report No 20237/R004
Date Issued 19/05/2020

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project	EYNESBURY - STAGE 5B	Date tested	18/05/20
Location	EYNESBURY	Checked by	JHF

Feature	CLASS 3	Layer thickness	100 mm	Time:	09:07:41
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AS 12892.1.1 & 5.8.1						
Test No		10	11			
Location		Yalca Way	Cobram Drive			
Chainage		lot 5084	lot 5092			
Offset		1.8 north of kerb	1.8 south of kerb			
Approximate depth from F.S.L.	m					
Measurement depth	mm	75	75			
Field wet density	t/m ³	2.41	2.43			
Field dry density	t/m ³	2.29	2.28			
Field moisture content	%	5.5	6.5			
Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203MWVIK)						
Date of assignment		31/03/2020				
Material source and location		20mm Class 3 - MVQ, Wyndham Vale				
Compactive effort		MODIFIED				
Maximum Dry Density	t/m ³	2.31				
Optimum Moisture Content	%	7.5				
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		2.0% dry	1.0% dry			
Moisture Ratio (R_m)	%	72.5	88.0			
Density Ratio (R_D)	%	99.0	98.5			

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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20237
 Report No 20237/R005
 Date Issued 24/06/2020

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	WS
Project	EYNESBURY - STAGE 5B	Date tested	24/06/20
Location	EYNESBURY	Checked by	JHF

Feature	CLASS 2	Layer thickness	140 mm	Time:	09:45:00
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AS 12892.1.1 & 5.8.1

Test No	12	13	14			
Location	Rochester Crescent					
Chainage Offset	Lot 5064 1.5 west of kerb	Lot 5068 1.2 east of kerb	Lot 5072 1.7 west of kerb			
Approximate depth from F.S.L.	m					
Measurement depth	mm	125	125	125		
Field wet density	t/m ³	2.45	2.45	2.45		
Field dry density	t/m ³	2.33	2.31	2.31		
Field moisture content	%	5.0	6.0	6.0		

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

Date of assignment	28/05/2020
Material source and location	20mm Class 2 - MVQ, Wyndham Vale
Compactive effort	MODIFIED
Maximum Dry Density	t/m ³ 2.31
Optimum Moisture Content	%

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/m ³	-	-	-		
Adjusted Optimum Moisture Content	%	-	-	-		

Moisture Variation From Optimum Moisture Content	2.5%	1.5%	1.5%			
	dry	dry	dry			

Moisture Ratio (R _m)	%	69.0	78.5	80.5		
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Density Ratio (R _D)	%	100.5	100.0	100.0		
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COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No 20237
Report No 20237/R006
Date Issued 24/06/2020

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	WS
Project	EYNESBURY - STAGE 5B	Date tested	24/06/20
Location	EYNESBURY	Checked by	JHF

Feature	CLASS 2	Layer thickness	130 mm	Time:	09:45:00
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AS 12892.1.1 & 5.8.1

Test No		15	16	17			
Location		Cobram Drive					
	Chainage	Lot 5073	Lot 5072	Lot 5093			
	Offset	1.4 north of kerb	1.6 south of kerb	1.5 north of kerb			
Approximate depth from F.S.L.	m						
Measurement depth	mm	100	100	100			
Field wet density	t/m ³	2.44	2.45	2.44			
Field dry density	t/m ³	2.31	2.32	2.32			
Field moisture content	%	5.5	5.5	5.5			

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

Date of assignment		28/05/2020					
Material source and location		20mm Class 2 - MVQ, Wyndham Vale					
Compactive effort		MODIFIED					
Maximum Dry Density	t/m ³	2.31					
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/m ³	-	-	-			
Adjusted Optimum Moisture Content	%	-	-	-			

Moisture Variation From Optimum Moisture Content		2.0% dry	2.0% dry	2.0% dry			
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Moisture Ratio (R_m)	%	73.5	74.5	73.5			
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Density Ratio (R_D)	%	100.0	100.5	100.0			
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