

 CIVIL GEOTECHNICAL SERVICES
 Job No
 17701

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 17701/R001

 Date Issued
 07/12/2017

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 B G G

 Project
 ASTON - STAGE 32
 Date tested
 21/11/17

 Location
 CRAIGIEBURN
 Checked by
 JHF

FeatureCAPPINGLayer thickness150 mmTime:16:16:59

Approximate depth from F.S.L.  Measurement depth  Field wet density  Field dry density  Field moisture content	Chainage Offset m mm t/m³ t/m³ %	40 1.8 north of kerb 125 2.19 2.13 2.5	90 1.8 south of kerb 125 2.19 2.14	140 1.8 north of kerb 125 2.20	190 1.8 south of kerb	Calibre Drive 300 1.8 east of kerb	Natural Drive 490 1.8 west of kerb
Measurement depth Field wet density Field dry density	Offset  m mm t/m³ t/m³ %	1.8 north of kerb 125 2.19 2.13	1.8 south of kerb 125 2.19 2.14	1.8 north of kerb 125 2.20	1.8 south of kerb	300 1.8 east of kerb	490 1.8 west of kerb
Measurement depth Field wet density Field dry density	Offset  m mm t/m³ t/m³ %	1.8 north of kerb 125 2.19 2.13	1.8 south of kerb 125 2.19 2.14	1.8 north of kerb 125 2.20	1.8 south of kerb	1.8 east of kerb	1.8 west of kerb
Measurement depth Field wet density Field dry density	m mm t/m³ t/m³ %	north of kerb 125 2.19 2.13	south of kerb 125 2.19 2.14	north of kerb 125 2.20	south of kerb	east of kerb	west of kerb
Measurement depth Field wet density Field dry density	mm t/m³ t/m³ %	125 2.19 2.13	of kerb  125 2.19 2.14	of kerb 125 2.20	of kerb	of kerb	of kerb
Measurement depth Field wet density Field dry density	mm t/m³ t/m³ %	125 2.19 2.13	125 2.19 2.14	125 2.20	125	125	125
Measurement depth Field wet density Field dry density	mm t/m³ t/m³ %	2.19 2.13	2.19 2.14	2.20		_	_
Field wet density Field dry density	t/m³ t/m³ %	2.19 2.13	2.19 2.14	2.20		_	_
Field dry density	t/m³ %	2.13	2.14	_	2.27	0.00	
	%					2.26	2.27
Field moisture content		2.5	2.0	2.14	2.14	2.14	2.15
	.1.1 & 5.4.2		3.0	2.5	6.0	6.0	5.5
Compactive effort Maximum Dry Density	t/m³				DARD		
Material source and location  Compactive effort			401111	n Capping - I STAN		DIOOK	
Optimum Moisture Content	%			10	.0		
Test procedure AS 1289.5.4.1							
Oversize rock retained on sieve	mm	37.5	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/m³	-	-	-	-	-	-
Adjusted Optimum Moisture Conte	nt %	-	-	-	-	-	-
Maiatura Variation Franc		7.50/	7.0%	7.5%	4.0%	4.0%	4.0%
Moisture Variation From		7.5%					
Optimum Moisture Conte	ent	dry	dry	dry	dry	dry	dry
Moisture Ratio (R <sub>m</sub> )	%	26.0	27.0	25.5	61.0	60.0	59.0
Density Ratio (R <sub>D</sub> )	%	100.5	100.5	101.0	100.5	100.5	101.0



Approved Signatory: Justin Fry



 CIVIL GEOTECHNICAL SERVICES
 Job No
 17701

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 17701/R002

 Date Issued
 06/02/2018

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AC

 Project
 ASTON - STAGE 32
 Date tested
 05/02/18

 Location
 CRAGIEBURN
 Checked by
 JHF

Feature CLASS 4 Layer thickness 150 mm Time: 14:55:18

Test No		7	8	9	10	11	12
Location				Elevation	Boulevard		
	Chainage	320	270	220	170	120	70
	Offset	2.3	2.3	2.4	2.4	2.5	2.5
		south	north	south	north	south	north
		of kerb	of kerb	of kerb	of kerb	of kerb	of kerb
Approximate depth from F.S.L.	т						
Measurement depth	mm	125	125	125	125	125	125
Field wet density	t/m³	2.34	2.27	2.28	2.26	2.27	2.30
Field dry density	t/m³	2.25	2.20	2.21	2.20	2.20	2.19
Field moisture content	%	4.0	3.5	3.5	3.0	3.5	5.0
Compactive effort Maximum Dry Density Optimum Moisture Content	t/m³ %			2.: 7			
-	<u></u>						
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 %	-	-	-	-	-	-
Moisture Variation Fron	n	3.5%	4.0%	4.0%	4.5%	4.0%	2.0%
moistais ranadon mon	-	dry	dry	dry	dry	dry	dry
Optimum Moisture Conte		ui y	u.,	ω. y	a.y	G. 3	u.y
Optimum Moisture Conte	•						
Optimum Moisture Conte	%	55.5	44.5	45.5	37.5	46.0	70.0



July J



Feature

CLASS 4

## **COMPACTION ASSESSMENT**

		Job No	17701
CIVIL GEOTE	CHNICAL SERVICES	Report No	17701/R003
6 - 8 Rose Aver	nue, Croydon, Vic 3136	Date Issued	06/02/2018
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	ASTON - STAGE 32	Date tested	05/02/18
Location	CRAGIEBURN	Checked by	JHF
-			-

150 mm

Time:

14:58:58

Layer thickness

Test No		13			
Location		Elevation Boulevard			
	Chainage	20			
	Offset	2.2			
		south			
		of kerb			
Approximate depth from F.S.L.	т				
Measurement depth	mm	125			
Field wet density	t/m³	2.26			
Field dry density	t/m³	2.19			

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 204MVDAU)

3.5

Date of assignment		20/12/2017
Material source and location		20mm Class 4 - MVQ, Donnybrook
Compactive effort		MODIFIED
Maximum Dry Density	t/m³	2.24
Optimum Moisture Content	%	7.5

Test procedure AS 1289.5.4.1

Field moisture content

1001 procedure 710 1200:0: 1: 1					
Oversize rock retained on sieve	mm	19.0			
Percent of oversize material	wet	ı			
Percent of oversize material	dry	-			
Adjusted Maximum Dry Density	t/m³	1			
Adjusted Optimum Moisture Content	%	-			

Moisture Variation From		4.0%			
Optimum Moisture Content	•	dry			
Moisture Ratio (R <sub>m</sub> )	%	45.0			

Density Ratio (R<sub>D</sub>) % 98.0



July 3



 CIVIL GEOTECHNICAL SERVICES
 Job No
 17701

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 17701/R004

 Date Issued
 07/02/2018

ClientWINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)Tested byACProjectASTON - STAGE 32Date tested07/02/18LocationCRAGIEBURNChecked byJHF

Feature CLASS 3 Layer thickness 150 mm Time: 08:27:03

Measurement depth         mm         125         125         125           Field wet density         t/m³         2.40         2.37         2.34         2.36           Field dry density         t/m³         2.25         2.24         2.23         2.24           Field moisture content         %         6.5         5.5         5.0         5.0           Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203MVDBS)         Date of assignment         02/02/2018           Material source and location         20mm Class 3 - MVQ, Donnybrook         MODIFIED           Maximum Dry Density         t/m³         2.27           Optimum Moisture Content         %         8.0           Test procedure AS 1289.5.4.1         8.0           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/m³         -         -         -           Moisture Variation From Optimum Moisture Content         1.5%         2.5%         3.5%         3.0%           Optimum Moisture Content <th>Test No</th> <th></th> <th>14</th> <th>15</th> <th>16</th> <th>17</th> <th></th>	Test No		14	15	16	17	
Offset	Location			Elevation	Boulevard		
Offset		Chainage	320	270	220	170	
Of kerb   Of kerb   Of kerb   Of kerb   Of kerb		-	1.8	1.8	1.8	1.8	
Approximate depth from F.S.L.         m         125         125         125         125           Field wet density         t/m³         2.40         2.37         2.34         2.36           Field dry density         t/m³         2.25         2.24         2.23         2.24           Field moisture content         %         6.5         5.5         5.0         5.0           Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203MVDBS)         Date of assignment         02/02/2018           Material source and location         20mm Class 3 - MVQ, Donnybrook           Compactive effort         MODIFIED           Maximum Dry Density         t/m³         2.27           Optimum Moisture Content         %         8.0           Test procedure AS 1289.5.4.1         0versize rock retained on sieve         mm         19.0         19.0         19.0           Percent of oversize material         wet         -         -         -         -           Adjusted Maximum Dry Density         t/m³         -         -         -         -           Moisture Variation From Optimum Moisture Content         1.5%         2.5%         3.5%         3.0%         3.0%			north	south	north	south	
Measurement depth         mm         125         125         125           Field wet density         t/m³         2.40         2.37         2.34         2.36           Field dry density         t/m³         2.25         2.24         2.23         2.24           Field moisture content         %         6.5         5.5         5.0         5.0           Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203MVDBS)         Date of assignment         02/02/2018           Material source and location         20mm Class 3 - MVQ, Donnybrook         MODIFIED           Maximum Dry Density         t/m³         2.27           Optimum Moisture Content         %         8.0           Test procedure AS 1289.5.4.1         8.0           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/m³         -         -         -           Moisture Variation From Optimum Moisture Content         1.5%         2.5%         3.5%         3.0%           Optimum Moisture Content <td></td> <td></td> <td>of kerb</td> <td>of kerb</td> <td>of kerb</td> <td>of kerb</td> <td></td>			of kerb	of kerb	of kerb	of kerb	
Field wet density         t/m³         2.40         2.37         2.34         2.36           Field dry density         t/m³         2.25         2.24         2.23         2.24           Field moisture content         %         6.5         5.5         5.0         5.0           Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203MVDBS)         Date of assignment         02/02/2018           Material source and location         20mm Class 3 - MVQ, Donnybrook         MODIFIED           Maximum Dry Density         t/m³         2.27           Optimum Moisture Content         %         8.0           Test procedure AS 1289.5.4.1         0         19.0         19.0         19.0           Percent of oversize rock retained on sieve         mm         19.0         19.0         19.0           Percent of oversize material         wet         -         -         -           Adjusted Maximum Dry Density         t/m³         -         -         -           Adjusted Optimum Moisture Content         1.5%         2.5%         3.5%         3.0%           Optimum Moisture Content         dry         dry         dry         dry	Approximate depth from F.S.L.	т					
Field dry density         t/m³         2.25         2.24         2.23         2.24           Field moisture content         %         6.5         5.5         5.0         5.0           Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203MVDBS)         Date of assignment         02/02/2018           Material source and location         20mm Class 3 - MVQ, Donnybrook         MODIFIED           Maximum Dry Density         t/m³         2.27           Optimum Moisture Content         %         8.0           Test procedure AS 1289.5.4.1         0.0         19.0         19.0           Oversize rock retained on sieve         mm         19.0         19.0         19.0           Percent of oversize material         wet         -         -         -           Adjusted Maximum Dry Density         t/m³         -         -         -           Adjusted Optimum Moisture Content         %         -         -         -           Moisture Variation From Optimum Moisture Content         dry         dry         dry         dry         dry	Measurement depth	mm	125	125	125	125	
Field moisture content         %         6.5         5.5         5.0         5.0           Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203MVDBS)           Date of assignment         02/02/2018           Material source and location         20mm Class 3 - MVQ, Donnybrook           Compactive effort         MODIFIED           Maximum Dry Density         t/m³         2.27           Optimum Moisture Content         %         8.0           Test procedure AS 1289.5.4.1         0         19.0         19.0         19.0           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/m³         -         -         -           Adjusted Optimum Moisture Content         1.5%         2.5%         3.5%         3.0%           Optimum Moisture Content         dry         dry         dry         dry         dry	Field wet density	t/m³	2.40	2.37	2.34	2.36	
Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203MVDBS)  Date of assignment  Material source and location  Compactive effort  MODIFIED  Maximum Dry Density  Optimum Moisture Content  Test procedure AS 1289.5.4.1  Oversize rock retained on sieve  Percent of oversize material  Percent of oversize material  Adjusted Maximum Dry Density  Moisture Content  Modisture Content  MODIFIED  8.0  19.	Field dry density	t/m³	2.25	2.24	2.23	2.24	
Date of assignment         02/02/2018           Material source and location         20mm Class 3 - MVQ, Donnybrook           Compactive effort         MODIFIED           Maximum Dry Density         t/m³         2.27           Optimum Moisture Content         %         8.0           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/m³         -         -         -           Adjusted Optimum Moisture Content         1.5%         2.5%         3.5%         3.0%           Optimum Moisture Content         dry         dry         dry         dry	Field moisture content	%	6.5	5.5	5.0	5.0	
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	Maximum Dry Density	_			MOD 2.:	IFIED 27	
Oversize rock retained on sieve         mm         19.0	·	%			8	.0	
Percent of oversize material         wet         -         -         -         -           Percent of oversize material         dry         -         -         -         -           Adjusted Maximum Dry Density         t/m³         -         -         -         -           Adjusted Optimum Moisture Content         %         -         -         -         -           Moisture Variation From Optimum Moisture Content         1.5%         2.5%         3.5%         3.0%           Optimum Moisture Content         dry         dry         dry	,	mm	19.0	19.0	19.0	19.0	
Adjusted Maximum Dry Density t/m³   -			-	-	-	-	
Adjusted Optimum Moisture Content %	Percent of oversize material	dry	-	-	-	-	
Moisture Variation From 1.5% 2.5% 3.5% 3.0% Optimum Moisture Content dry dry dry dry	Adjusted Maximum Dry Density	t/m³		-	-	-	
Optimum Moisture Content dry dry dry dry	Adjusted Optimum Moisture Conte	nt %	-	-	-	-	
Optimum Moisture Content dry dry dry dry	Moisture Variation From	<u>, I</u>	1.5%	2.5%	3.5%	3.0%	
		-					
24.5 74.5 74.5 74.5 74.5	Spaniani moistale conte	,iii	ury	ury	ury	шу	
Moisture Ratio ( R <sub>m</sub> ) % 81.5 /1.5   59.0   64.5	Moisture Ratio (R <sub>m</sub> )	%	81.5	71.5	59.0	64.5	
Density Ratio (R <sub>D</sub> )	Donoity Potio / P.	0/	99.0	08.5	08.0	08.5	



July Jo



Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD) Tested by AC
Project ASTON - STAGE 32
Location CRAGIEBURN Checked by JHF

FeatureCLASS 3Layer thickness170 mmTime:08:29:00

Test No		18	19			
Location		Natural	Abington			
		Drive	Street			
	Chainage	490	15			
	Offset	1.8	1.8			
		east	west			
		of kerb	of kerb			
Approximate depth from F.S.L.	т					
Measurement depth	mm	150	150			
Field wet density	t/m³	2.35	2.38			
Field dry density	t/m³	2.24	2.27			
Field moisture content	%	5.0	5.0			
Maximum Dry Density Optimum Moisture Content	t/m³ %			2.	.0	
Test procedure AS 1289.5.4.1						
Oversize rock retained on sieve	mm	19.0	19.0			
			T			
Percent of oversize material	wet	-	-			
	wet dry	<u>-</u>	-			
Percent of oversize material		-	-			
Percent of oversize material Adjusted Maximum Dry Density	dry t/m³	-	-			
Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conte	dry t/m³ ent %					
Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conte  Moisture Variation From	dry t/m³ ent %	3.5%	3.0%			
Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conte	dry t/m³ ent %					
Adjusted Maximum Dry Density Adjusted Optimum Moisture Conte  Moisture Variation From	dry t/m³ ent %	3.5%	3.0%			



Approved Signatory : Justin Fry



		Job No	17701
CIVIL GEOTE	ECHNICAL SERVICES	Report No	17701/R006
6 - 8 Rose Ave	enue, Croydon, Vic 3136	Date Issued	07/02/2018
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	ASTON - STAGE 32	Date tested	07/02/18
Location	CRAGIEBURN	Checked by	JHF

FeatureCLASS 3Layer thickness240 mmTime:08:31:13

Calibre Avenue 305 1.8 east of kerb  225 2.36 2.24 5.0  Assigned Val	lues (See Re			
Avenue 305 1.8 east of kerb  225 2.36 2.24 5.0	lues (See Re			
1.8 east of kerb  225 2.36 2.24 5.0	lues (See Re			
1.8 east of kerb  225 2.36 2.24 5.0	lues (See Re			
east of kerb 225 2.36 2.24 5.0	lues (See Re			
225 2.36 2.24 5.0	lues (See Re			
225 2.36 2.24 5.0	lues (See Re			
2.36 2.24 5.0	lues (See Re			
2.24 5.0	lues (See Re			
5.0	lues (See Re			
	lues (See Re			
Assigned Val	lues (See Re			
		MODIFIE 2.27	ים	
	20mm	n Class 3 - MVC	Q, Donnybrook	
		2.27		
		8.0		
19.0				
-				
-				
-				
-				
3.0%				
dry				
62.5				
		<u> </u>		
52.0	<del></del>			
	62.5		98.5	



July 3



 CIVIL GEOTECHNICAL SERVICES
 Job No
 17701

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 17701/R007

 Date Issued
 08/02/2018

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AC

 Project
 ASTON - STAGE 32
 Date tested
 08/02/18

 Location
 CRAGIEBURN
 Checked by
 JHF

FeatureCLASS 3Layer thickness150 mmTime:08:38:19

Test No		21	22	23			
Location		Ele	vation Boulev	/ard		1	
	Ļ						
C	hainage	120	70	20			
	Offset	2.5	2.7	3.0			
		south	north	south			
		of kerb	of kerb	of kerb			
Approximate depth from F.S.L.	m						
Measurement depth	mm	125	125	125			
Field wet density	t/m³	2.37	2.29	2.29			
Field dry density	t/m³	2.23	2.24	2.23			
Field moisture content	%	6.0	2.5	2.5			
Date of assignment			00	08/02		11-	
Date or assignment Material source and location Compactive effort Maximum Dry Density	t/m³		20mi	m Class 3 - I	MVQ, Donny IFIED	ybrook	
Material source and location Compactive effort	t/m³ %		20mi	m Class 3 - N MOD 2.:	MVQ, Donny IFIED	ybrook	
Material source and location Compactive effort Maximum Dry Density			20mi	m Class 3 - N MOD 2.:	MVQ, Donny IFIED 27	ybrook	
Material source and location Compactive effort Maximum Dry Density Optimum Moisture Content  Test procedure AS 1289.5.4.1 Oversize rock retained on sieve		19.0	20mi	m Class 3 - N MOD 2.:	MVQ, Donny IFIED 27	ybrook	
Material source and location Compactive effort Maximum Dry Density Optimum Moisture Content Test procedure AS 1289.5.4.1	%	19.0		m Class 3 - f MOD 2.:	MVQ, Donny IFIED 27	ybrook	
Material source and location Compactive effort Maximum Dry Density Optimum Moisture Content  Test procedure AS 1289.5.4.1 Oversize rock retained on sieve	% mm		19.0	m Class 3 - I MOD 2.: 8	MVQ, Donny IFIED 27	ybrook	
Material source and location Compactive effort Maximum Dry Density Optimum Moisture Content  Test procedure AS 1289.5.4.1 Oversize rock retained on sieve Percent of oversize material	mm wet	-	19.0	m Class 3 - I MOD 2.: 8	MVQ, Donny IFIED 27	ybrook	
Material source and location Compactive effort Maximum Dry Density Optimum Moisture Content Test procedure AS 1289.5.4.1 Oversize rock retained on sieve Percent of oversize material Percent of oversize material	mm wet dry t/m³	-	19.0	m Class 3 - I MOD 2.: 8	MVQ, Donny IFIED 27	ybrook	
Material source and location Compactive effort Maximum Dry Density Optimum Moisture Content  Test procedure AS 1289.5.4.1 Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Content	mm wet dry t/m³	- - -	19.0 - - -	m Class 3 - I MOD 2 8	MVQ, Donny IFIED 27	ybrook	
Material source and location Compactive effort Maximum Dry Density Optimum Moisture Content  Test procedure AS 1289.5.4.1 Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Content  Moisture Variation From	mm wet dry t/m³ %	2.0%	19.0 - - - - - 5.5%	M Class 3 - N MOD 2.: 8 19.0 5.5%	MVQ, Donny IFIED 27	ybrook	
Material source and location Compactive effort Maximum Dry Density Optimum Moisture Content  Test procedure AS 1289.5.4.1 Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Content	mm wet dry t/m³ %	- - -	19.0 - - -	m Class 3 - I MOD 2 8	MVQ, Donny IFIED 27	ybrook	
Material source and location Compactive effort Maximum Dry Density Optimum Moisture Content  Test procedure AS 1289.5.4.1 Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Content  Moisture Variation From	mm wet dry t/m³ %	2.0%	19.0 - - - - - 5.5%	M Class 3 - N MOD 2.: 8 19.0 5.5%	MVQ, Donny IFIED 27	ybrook	



July Jo



 CIVIL GEOTECHNICAL SERVICES
 Job No
 17701

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 17701/R008

 Date Issued
 19/01/2018

ClientWINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)Tested byACProjectASTON - STAGE 32Date tested12/02/18LocationCRAGIEBURNChecked byJHF

FeatureCLASS 2Layer thickness150 mmTime:09:12:58

Test No		24	25	26	27	28	29
Location		Elevation Boulevard					
С	: hainage	320	270	220	170	120	70
	Offset	2.5	2.7	2.3	2.5	3.0	3.0
		south	north	south	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/m³	2.30	2.31	2.31	2.31	2.30	2.31
Field dry density	t/m³	2.22	2.24	2.22	2.23	2.22	2.22
Field moisture content	%	4.0	3.5	4.0	3.5	4.0	4.0
Material source and location  Compactive effort			20mr	MOD	MVQ, Donnyk IFIED	orook	
	$\longrightarrow$		20111			Jrook .	
Maximum Dry Density	t/m³			2.2	27		
Optimum Moisture Content	%			8.	.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	%	-	-	-	-	-	-
						_	_
Moisture Variation From		4.5%	5.0%	4.5%	4.5%	4.5%	4.0%
Optimum Moisture Content	<i>}</i>	dry	dry	dry	dry	dry	dry
Optimum Moisture Content							
,							
Moisture Ratio $(R_m)$	%	47.5	40.5	46.0	42.5	46.0	49.0
,	%	47.5 <b>98.0</b>	40.5 <b>99.0</b>	46.0 <b>98.0</b>	42.5 <b>98.5</b>	46.0 <b>98.0</b>	49.0 <b>98.0</b>



July Jo



Feature

CLASS 2

# **COMPACTION ASSESSMENT**

		Job No	17701	
CIVIL GEOTE	ECHNICAL SERVICES	Report No	17701/R009	
6 - 8 Rose Ave	nue, Croydon, Vic 3136	Date Issued	12/02/2018	
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC	
Project	ASTON - STAGE 32	Date tested	12/02/18	
Location	CRAGIEBURN	Checked by	JHF	

150 mm

Time:

09:15:23

Layer thickness

Test No		30				
Location		Elevation				
		Boulevard				
Ch	ainage	20				
	Offset	2.2				
		south				
		of kerb				
Approximate depth from F.S.L.	m					
Measurement depth	mm	125				
Field wet density	t/m³	2.32				
Field dry density	t/m³	2.22				
Field moisture content	%	4.0				
Compactive effort  Maximum Dry Density  Optimum Moisture Content	t/m³ %			27		
Spaniani Molotalo Contont	70		8	.0		
•	70		8	.0		
Test procedure AS 1289.5.4.1		19.0	8	.0	1	
Test procedure AS 1289.5.4.1 Oversize rock retained on sieve	mm wet	19.0	8	.0		
Test procedure AS 1289.5.4.1 Oversize rock retained on sieve Percent of oversize material	mm	19.0 - -	8	.0		
Test procedure AS 1289.5.4.1	mm wet	19.0	8	.0		
Test procedure AS 1289.5.4.1  Oversize rock retained on sieve Percent of oversize material  Percent of oversize material	mm wet dry	19.0	8	.0		
Test procedure AS 1289.5.4.1  Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density	mm wet dry t/m³	19.0 - - - - - 4.0%	8	.0		
Test procedure AS 1289.5.4.1 Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Content	mm wet dry t/m³	- - -	8			
Test procedure AS 1289.5.4.1  Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Content  Moisture Variation From	mm wet dry t/m³	- - - - 4.0%	8			
Test procedure AS 1289.5.4.1  Oversize rock retained on sieve Percent of oversize material Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Content  Moisture Variation From Optimum Moisture Content	mm wet dry t/m³ %	- - - - 4.0% dry	8			



July 3