COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No	18077		
Report No	18077/R001		
Date Issued	06/02/2018		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	05/02/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CAPPING**	*Layer thickness*	150 mm	*Time:*	14:29:37

AS 12892.1.1 & 5.8.1

Test No		**1**	**2**	**3**	**4**	**5**	**6**
Location		Distinction Avenue					Future Way
	Chainage	160	210	260	310	360	80
	Offset	1.8 north of kerb	1.8 south of kerb	1.8 north of kerb	1.8 south of kerb	1.8 north of kerb	1.8 east of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	125	125	125	125	125	125
Field wet density	*t/m³*	2.15	2.19	2.15	2.15	2.16	2.15
Field dry density	*t/m³*	2.10	2.15	2.11	2.11	2.11	2.11
Field moisture content	*%*	2.5	2.0	2.5	2.0	2.5	1.5

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

Date of assignment		25/01/2018
Material source and location		40mm Capping - MVQ, Donnybrook
Compactive effort		STANDARD
Maximum Dry Density	*t/m³*	2.14
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 Content	*%*	-	-	-	-	-	-

Moisture Variation From Optimum Moisture Content	7.5% dry	8.0% dry	7.5% dry	8.0% dry	7.5% dry	8.5% dry
Moisture Ratio (R_m) *%*	23.0	19.5	21.5	18.0	21.5	16.0
Density Ratio (R_D) *%*	**98.5**	**100.5**	**99.0**	**98.5**	**99.0**	**99.0**

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

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

Job No	18077		
Report No	18077/R002		
Date Issued	06/02/2018		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	05/02/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CAPPING**	*Layer thickness*	150 mm	*Time:*	14:37:21

AS 12892.1.1 & 5.8.1

Test No		**7**	**8**	**9**	**10**	**11**	**12**
Location		Future Way way	Scenery drive				Broadwalk rise
	Chainage	30	190	240	290	340	30
	Offset	1.8 west of kerb	1.8 south of kerb	1.8 north of kerb	1.8 south of kerb	1.8 north of kerb	1.8 east of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	125	125	125	125	125	125
Field wet density	*t/m³*	2.15	2.14	2.17	2.16	2.23	2.20
Field dry density	*t/m³*	2.12	2.09	2.12	2.11	2.18	2.13
Field moisture content	*%*	2.0	2.5	2.5	2.5	2.5	3.5

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

Date of assignment		25/01/2018
Material source and location		40mm Capping - MVQ, Donnybrook
Compactive effort		STANDARD
Maximum Dry Density	*t/m³*	2.14
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 Content	*%*	-	-	-	-	-	-

Moisture Variation From Optimum Moisture Content		8.0% dry	7.5% dry	7.5% dry	7.5% dry	7.5% dry	6.5% dry
Moisture Ratio (R_m)	*%*	18.0	23.5	24.0	21.5	23.5	33.5
Density Ratio (R_D)	*%*	**99.0**	**98.0**	**99.5**	**99.0**	**102.0**	**99.5**

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No	18077		
Report No	18077/R003		
Date Issued	06/02/2018		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	05/02/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CAPPING**	*Layer thickness*	150 mm	*Time:*	14:43:29

AS 12892.1.1 & 5.8.1

Test No		**13**	**14**	**15**	**16**	**17**	**18**
Location		Command Road			Broadwalk Rise		
	Chainage	130	80	30	180	130	80
	Offset	1.8 east of kerb	1.8 west of kerb	1.8 east of kerb	1.8 west 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	125	125	125
Field wet density	*t/m³*	2.16	2.21	2.25	2.18	2.21	2.16
Field dry density	*t/m³*	2.11	2.16	2.17	2.14	2.17	2.12
Field moisture content	*%*	2.5	2.5	3.5	2.0	2.0	2.5

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

Date of assignment		25/01/2018
Material source and location		40mm Capping - MVQ, Donnybrook
Compactive effort		STANDARD
Maximum Dry Density	*t/m³*	2.14
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 Content	*%*	-	-	-	-	-	-

Moisture Variation From Optimum Moisture Content	7.5% dry	7.5% dry	6.5% dry	8.0% dry	8.0% dry	7.5% dry
Moisture Ratio (R_m) *%*	25.0	23.0	34.5	19.5	19.0	23.0
Density Ratio (R_D) *%*	**98.5**	**101.0**	**101.5**	**100.0**	**101.5**	**99.0**

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No	18077		
Report No	18077/R004		
Date Issued	12/02/2018		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	12/02/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CAPPING**	*Layer thickness*	150 mm	*Time:*	10:15:43

AS 12892.1.1 & 5.8.1

Test No		**19**	**20**				
Location		Century Way	Abbington Street				
	Chainage	40	40				
	Offset	1.8 east of kerb	1.8 west of kerb				
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	125	125				
Field wet density	*t/m³*	2.12	2.12				
Field dry density	*t/m³*	2.11	2.09				
Field moisture content	*%*	0.5	1.5				

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

Date of assignment		25/01/2018
Material source and location		40mm Capping - MVQ, Donnybrook
Compactive effort		STANDARD
Maximum Dry Density	*t/m³*	2.14
Optimum Moisture Content	*%*	10.0

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	*mm*	37.5	37.5				
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	9.5% dry	8.5% dry				
Moisture Ratio (R_m)	*%*	3.5	14.0				
Density Ratio (R_D)	*%*	**99.0**	**98.0**				

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NATA ACCREDITED FOR TECHNICAL COMPETENCE

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National standards. Accredited for compliance to ISO/IEC 17025. **Accreditation No 9909**

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

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

Job No	18077		
Report No	18077/R005		
Date Issued	28/03/2018		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	28/03/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CLASS 3**	*Layer thickness*	170 mm	*Time:*	09:19:27

AS 12892.1.1 & 5.8.1

Test No		**21**	**22**	**23**	**24**	**25**	**26**
Location		Scenery Drive				Future Way	
Chainage		190	240	280	340	30	80
Offset		1.8 south of kerb	1.8 north of kerb	1.8 south of kerb	1.8 north of kerb	1.8 west of kerb	1.8 east of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	150	150	150	150	150	150
Field wet density	*t/m³*	2.36	2.36	2.36	2.36	2.39	2.39
Field dry density	*t/m³*	2.26	2.26	2.25	2.25	2.30	2.32
Field moisture content	*%*	4.5	4.5	5.0	5.0	4.0	3.0

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

Date of assignment		21/03/2018
Material source and location		20mm Class 3 - MVQ, Donnybrook
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.29
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 Optimum Moisture Content	3.5% dry	3.0% dry	3.0% dry	3.0% dry	4.0% dry	5.0% dry
Moisture Ratio (R_m) *%*	55.5	59.5	61.0	61.0	48.0	40.0
Density Ratio (R_D) *%*	**99.0**	**98.5**	**98.5**	**98.5**	**100.5**	**101.5**

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No	18077		
Report No	18077/R006		
Date Issued	28/03/2018		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	28/03/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CLASS 3**	*Layer thickness*	170 mm	*Time:*	09:24:36

AS 12892.1.1 & 5.8.1

Test No		**27**	**28**	**29**	**30**	**31**	**32**
Location		Abbington Street	Distinction Avenue				
	Chainage	40	360	310	260	210	160
	Offset	1.8 east of kerb	1.8 south of kerb	1.8 north of kerb	1.8 south of kerb	1.8 north of kerb	1.8 south of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	150	150	150	150	150	150
Field wet density	*t/m³*	2.35	2.35	2.36	2.40	2.36	2.38
Field dry density	*t/m³*	2.27	2.28	2.27	2.31	2.25	2.28
Field moisture content	*%*	3.5	3.0	4.0	4.0	5.0	4.0

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

Date of assignment		21/03/2018
Material source and location		20mm Class 3 - MVQ, Donnybrook
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.29
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 Optimum Moisture Content	4.5% dry	5.0% dry	4.0% dry	4.0% dry	3.0% dry	4.0% dry
Moisture Ratio (R_m) *%*	45.0	39.5	50.0	49.0	60.5	51.0
Density Ratio (R_D) *%*	**99.0**	**99.5**	**99.5**	**101.0**	**98.5**	**100.0**

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No	18077		
Report No	18077/R007		
Date Issued	28/03/2018		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	28/03/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CLASS 3**	*Layer thickness*	170 mm	*Time:*	09:27:42

AS 12892.1.1 & 5.8.1

Test No		**33**	**34**	**35**	**36**	**37**	**38**
Location		Century Way	Broadwalk Rise				Command Road
Chainage		40	180	130	80	30	30
Offset		1.8 west of kerb	1.8 east of kerb	1.8 west of kerb	1.8 east of kerb	1.8 west of kerb	2 north of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	150	150	150	150	150	150
Field wet density	*t/m³*	2.34	2.34	2.35	2.35	2.34	2.34
Field dry density	*t/m³*	2.27	2.25	2.27	2.26	2.25	2.26
Field moisture content	*%*	3.5	4.0	3.5	3.5	3.5	4.0

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

Date of assignment		21/03/2018
Material source and location		20mm Class 3 - MVQ, Donnybrook
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.29
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 Optimum Moisture Content		4.5% dry	4.0% dry	4.5% dry	4.5% dry	4.5% dry	4.0% dry
Moisture Ratio (R_m)	*%*	42.5	50.0	46.0	46.0	46.5	47.0
Density Ratio (R_D)	*%*	**99.0**	**98.5**	**99.0**	**99.0**	**98.5**	**98.5**

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No	18077		
Report No	18077/R008		
Date Issued	28/03/2018		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	28/03/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CLASS 3**	*Layer thickness*	170 mm	*Time:*	09:30:42

AS 12892.1.1 & 5.8.1

Test No		**39**	**40**				
Location		Command Road					
Chainage		80	130				
Offset		1.8 west of kerb	1.8 east of kerb				
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	150	150				
Field wet density	*t/m³*	2.34	2.35				
Field dry density	*t/m³*	2.27	2.27				
Field moisture content	*%*	3.5	4.0				

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

Date of assignment		21/03/2018
Material source and location		20mm Class 3 - MVQ, Donnybrook
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.29
Optimum Moisture Content	*%*	8.0

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 Content	*%*	-	-				

Moisture Variation From Optimum Moisture Content	4.5% dry	4.0% dry				
Moisture Ratio (R_m)	*%*	43.0	47.5				
Density Ratio (R_D)	*%*	**99.0**	**99.0**				

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

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

Job No	18077		
Report No	18077/R009		
Date Issued	23/04/2018		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	20/04/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CLASS 2**	*Layer thickness*	130 mm	*Time:*	11:46:28

AS 12892.1.1 & 5.8.1

Test No		**41**	**42**	**43**	**44**	**45**	**46**
Location		Century Way	Broadwalk Rise				Scenery Drive
	Chainage	40	180	130	80	30	190
	Offset	1.8 east of kerb	1.8 west of kerb	1.8 east of kerb	1.8 west of kerb	1.8 east of kerb	1.8 north of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	100	100	100	100	100	100
Field wet density	*t/m³*	2.35	2.35	2.35	2.35	2.35	2.35
Field dry density	*t/m³*	2.25	2.22	2.24	2.23	2.24	2.23
Field moisture content	*%*	4.5	5.5	5.0	5.5	4.5	5.5

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

Date of assignment		06/03/2018
Material source and location		20mm Class 2 - 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	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 Optimum Moisture Content		3.5% dry	2.5% dry	3.0% dry	2.5% dry	3.0% dry	2.5% dry
Moisture Ratio (R_m)	*%*	56.0	69.5	62.5	67.5	59.5	67.0
Density Ratio (R_D)	*%*	**99.0**	**98.0**	**99.0**	**98.5**	**99.0**	**98.0**

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

		Job No	18077
		Report No	18077/R010
		Date Issued	23/04/2018
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	20/04/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CLASS 2**	*Layer thickness*	130 mm	*Time:*	11:50:39

AS 12892.1.1 & 5.8.1

Test No		**47**	**48**	**49**	**50**	**51**	**52**
Location		Scenery Drive			Command Road		
	Chainage	240	290	340	30	80	130
	Offset	1.8 south of kerb	1.8 north of kerb	1.8 south of kerb	1.8 east of kerb	1.8 west of kerb	1.8 east of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	100	100	100	100	100	100
Field wet density	*t/m³*	2.31	2.32	2.33	2.39	2.34	2.39
Field dry density	*t/m³*	2.23	2.22	2.23	2.27	2.22	2.27
Field moisture content	*%*	3.5	4.0	4.5	5.0	5.0	5.5

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

Date of assignment		06/03/2018
Material source and location		20mm Class 2 - 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	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 Optimum Moisture Content		4.5% dry	4.0% dry	3.5% dry	3.0% dry	3.0% dry	2.5% dry
Moisture Ratio (R_m)	*%*	41.0	53.0	58.5	65.0	65.0	67.5
Density Ratio (R_D)	*%*	**98.5**	**98.0**	**98.0**	**100.0**	**98.0**	**100.0**

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No	18077		
Report No	18077/R011		
Date Issued	23/04/2018		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	20/04/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CLASS 2**	*Layer thickness*	130 mm	*Time:*	11:53:27

AS 12892.1.1 & 5.8.1

Test No		**53**	**54**	**55**	**56**	**57**	**58**
Location		Future Way		Distinction Avenue			
	Chainage	30	80	160	210	260	310
	Offset	1.8 west of kerb	1.8 east of kerb	1.8 south of kerb	1.8 north of kerb	1.8 south of kerb	1.8 north of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	100	100	100	100	100	100
Field wet density	*t/m³*	2.33	2.33	2.43	2.34	2.30	2.34
Field dry density	*t/m³*	2.22	2.24	2.25	2.25	2.22	2.22
Field moisture content	*%*	4.5	4.5	7.5	4.0	3.5	5.0

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

Date of assignment		06/03/2018
Material source and location		20mm Class 2 - 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	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 Optimum Moisture Content		3.5% dry	3.5% dry	0.0% dry	4.0% dry	4.5% dry	3.0% dry
Moisture Ratio (R_m)	*%*	59.0	54.0	98.0	51.0	45.5	65.0
Density Ratio (R_D)	*%*	**98.0**	**98.5**	**99.0**	**99.0**	**98.0**	**98.0**

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

Job No	18077		
Report No	18077/R012		
Date Issued	23/04/2018		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	ASTON - STAGE 29	*Date tested*	20/04/18
Location	CRAGIEBURN	*Checked by*	JHF

Feature	**CLASS 2**	*Layer thickness*	130 mm	*Time:*	11:58:34

AS 12892.1.1 & 5.8.1

Test No		**59**	**60**				
Location		Distinction Avenue	Abbington Street				
	Chainage	360	40				
	Offset	1.8 south of kerb	1.8 east of kerb				
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	100	100				
Field wet density	*t/m³*	2.33	2.35				
Field dry density	*t/m³*	2.23	2.22				
Field moisture content	*%*	5.0	5.5				

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

Date of assignment		06/03/2018
Material source and location		20mm Class 2 - 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				
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	3.0% dry	2.0% dry				
Moisture Ratio (R_m)	*%*	60.0	73.5				
Density Ratio (R_D)	*%*	**98.0**	**98.0**				

Approved Signatory : Justin Fry