COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon, Vic 3136

		Job No	15022
		Report No	15022/R001
		Date Issued	16/01/15
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	JWM
Project	ASTON - STAGE 16	*Date tested*	15/01/15
Location	CRAIGIEBURN	*Checked by*	JHF

Feature	**SUBBASE**	*Layer thickness*	100 / 75	mm	*Time:*	08:21:57

AS 12892.1.1 & 5.8.1

Test No		**1**	**2**	**3**	**4**	**5**	**6**
Location		Distinction Avenue			Esteem Road	Champion Parade	
	Chainage	130.0	90.0	20.0	15.0	115.0	60.0
	Offset	1.2 north of kerb	1.5 south of kerb	1.8 north of kerb	1.5 east of kerb	1.5 east of kerb	2.0 west of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	75	75	75	75	75	75
Field wet density	*t/m³*	2.38	2.39	2.37	2.34	2.34	2.33
Field dry density	*t/m³*	2.24	2.27	2.23	2.22	2.23	2.21
Field moisture content	*%*	6.0	6.0	6.5	5.5	5.5	5.5

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

Date of assignment		15/01/15
Material source and location		20mm Class 3 - MVQ, Donnybrook
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.26
Optimum Moisture Content	*%*	7.5

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		1.5% dry	2.0% dry	1.0% dry	2.0% dry	2.5% dry	2.5% dry
Moisture Ratio (R_m)	*%*	77.5	74.0	84.0	72.0	66.0	70.0
Density Ratio (R_D)	*%*	**99.5**	**100.5**	**98.5**	**98.5**	**98.5**	**98.0**

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

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

Job No	15022		
Report No	15022/R002		
Date Issued	11/03/15		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	JWM
Project	ASTON - STAGE 16	*Date tested*	07/03/15
Location	CRAIGIEBURN	*Checked by*	JHF

Feature	**BASE**	*Layer thickness*	160 mm	*Time:*	08:39:50

AS 12892.1.1 & 5.8.1

Test No		**7**	**8**	**9**	**10**	**11**	**12**
Location		Esteem Road	Distinction Avenue		Champion Parade		Zeal Way
	Chainage	20.0	115.0	40.0	60.0	120.0	25.0
	Offset	1.2 east of kerb	1.8 north of kerb	1.5 south of kerb	1.5 east of kerb	1.2 west of kerb	1.8 south of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	125	125	125	125	125	125
Field wet density	*t/m³*	2.42	2.42	2.43	2.45	2.42	2.43
Field dry density	*t/m³*	2.26	2.28	2.29	2.28	2.26	2.29
Field moisture content	*%*	6.5	6.0	6.0	7.0	6.5	6.0

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

Date of assignment		10/03/15
Material source and location		20mm Class 2 - MVQ, Donnybrook
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.28
Optimum Moisture Content	*%*	7.5

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	1.0% dry	1.5% dry	1.5% dry	0.5% dry	1.0% dry	1.5% dry
Moisture Ratio (R_m) *%*	88.0	81.5	83.5	94.0	90.0	81.5
Density Ratio (R_D) *%*	**99.0**	**100.0**	**100.0**	**100.0**	**99.0**	**100.5**

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	15022
		Report No	15022/R003
		Date Issued	11/03/15
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	JWM
Project	ASTON - STAGE 16	*Date tested*	07/03/15
Location	CRAIGIEBURN	*Checked by*	JHF

Feature	**BASE**	*Layer thickness*	160 mm	*Time:*	09:00:59

AS 12892.1.1 & 5.8.1

Test No		**13**	**14**	**15**			
Location		Zeal Way	Tribute Road				
	Chainage	100.0	140.0	80.0			
	Offset	1.2 north of kerb	1.8 east of kerb	1.5 west of kerb			
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	125	125	125			
Field wet density	*t/m³*	2.39	2.41	2.43			
Field dry density	*t/m³*	2.24	2.27	2.28			
Field moisture content	*%*	6.0	6.0	6.0			

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

Date of assignment		10/03/15
Material source and location		20mm Class 2 - MVQ, Donnybrook
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.28
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/m³*	-	-	-			
Adjusted Optimum Moisture Content	*%*	-	-	-			

Moisture Variation From Optimum Moisture Content		1.5% dry	1.5% dry	1.5% dry			
Moisture Ratio (R_m)	*%*	83.0	83.5	83.5			
Density Ratio (R_D)	*%*	**98.5**	**99.5**	**100.0**			

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