

 CIVIL GEOTECHNICAL SERVICES
 Job No
 17150

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 17150/R001

 Date Issued
 16/03/17

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AC

 Project
 ASPECT - STAGE 9
 Date tested
 14/03/17

 Location
 GREENVALE
 Checked by
 JHF

FeatureCLASS 3Layer thickness100 mmTime:09:00:38

Test No		1	2	3	4		
Location							
Ch	nainage	430	380	330	280	1	
G,	Offset	1.8	1.8	1.8	1.8		
	Onoot	south	west	east	west		
		of kerb	of kerb	of kerb	of kerb		
Approximate depth from F.S.L.	m	OI KOID	OI KOID	OI KOID	OT ROLD		1
Measurement depth	mm	75	75	75	75		
Field wet density	t/m³	2.35	2.34	2.35	2.33		
Field dry density	t/m³	2.23	2.22	2.22	2.21		
Field moisture content	%	5.5	6.0	6.0	6.0		
			20m	m Class 3 - N MOD		brook	
Material source and location Compactive effort Maximum Dry Density Optimum Moisture Content	t/m³ %		20m		IFIED 25	brook	
Compactive effort Maximum Dry Density	-		20m	MOD 2.2	IFIED 25	brook	
Compactive effort Maximum Dry Density Optimum Moisture Content	-	19.0	20m	MOD 2.2	IFIED 25	brook	
Compactive effort Maximum Dry Density Optimum Moisture Content Test procedure AS 1289.5.4.1 Oversize rock retained on sieve	%	19.0		MOD 2.: 8.	IFIED 25 0	brook	
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			MOD 2.2 8.	IFIED 25 0	brook	
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	-		MOD 2.2 8.	19.0	brook	
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	mm wet dry	-		MOD 2.2 8.	19.0	brook	
Compactive effort Maximum Dry Density Optimum Moisture Content Test procedure AS 1289.5.4.1	mm wet dry t/m³	- - -	19.0	19.0 -	19.0	brook	
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 - - - -	19.0 - - -	19.0 - - -	brook	
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 Optimum Moisture Content	mm wet dry t/m³	- - - - 2.5% dry	19.0 - - - - - 2.5% dry	9.0 19.0 - - - - 2.0% dry	19.0 - - - - - - - - - dry	brook	
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	2.5%	19.0 - - - - - 2.5%	19.0 - - - - - - -	19.0 2.5%	brook	



July 3



 CIVIL GEOTECHNICAL SERVICES
 Job No
 17150

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 17150/R002

 Date Issued
 16/03/17

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AC

 Project
 ASPECT - STAGE 9
 Date tested
 15/03/17

 Location
 GREENVALE
 Checked by
 JHF

FeatureCLASS 3Layer thickness200 mmTime:12:49:47

Test No		5	6	7	8	9	10		
Location			Ravin						
							Way		
	Chainage	230	180	130	80	30	45		
	Offset	1.8	1.8	1.8	1.8	1.8	1.8		
		west	east	west	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	175	175	175	175	175	175		
Field wet density	t/m³	2.33	2.34	2.33	2.34	2.36	2.36		
Field dry density	t/m³	2.20	2.21	2.20	2.21	2.23	2.23		
Field moisture content	%	6.5	5.5	6.0	6.0	6.0	6.0		
,									
Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Date of assignment					02/17 MVQ, Donnyt				
Compactive effort Maximum Dry Density t/m³		MODIFIED							
Maximum Dry Density	2.25								
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 Conte	ent %	-	-	-	-	-	-		
	n	2.0%	2.5%	2.0%	2.5%	2.5%	2.0%		
Moisture Variation Fron			dn.	dry	dry	dry	dry		
Moisture Variation Froi Optimum Moisture Cont	ent	dry	dry	ury	,				
	ent	dry	ury	ury					
Optimum Moisture Cont	ent %	77.0	69.0	74.0	71.5	70.5	73.0		
		•		, ,	,		73.0		



July Jo



 CIVIL GEOTECHNICAL SERVICES
 Report No
 17150/R003

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Date Issued
 21/04/2017

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AC

 Project
 ASPECT - STAGE 9
 Date tested
 19/04/17

 Location
 GREENVALE
 Checked by
 JHF

FeatureCLASS 2Layer thickness170 mmTime:10:22:28

Test No		11	12	13	14	15	16	
Location		Luster Circuit						
	Chainage	430	380	330	280	230	180	
	Offset	1.8	1.8	1.8	1.8	1.8	1.8	
		north	west	east	west	east	west	
		of kerb	of kerb	of kerb	of kerb	of kerb	of kerb	
Approximate depth from F.S.L.	m							
Measurement depth	mm	150	150	150	150	150	150	
Field wet density	t/m³	2.38	2.41	2.38	2.36	2.40	2.40	
Field dry density	t/m³	2.26	2.29	2.26	2.25	2.26	2.26	
Field moisture content	%	5.5	5.5	5.5	5.0	6.5	6.5	
	MODIFIED 2.30 7.5							
Compactive effort Maximum Dry Density Optimum Moisture Content	t/m³ %			2.3	30			
Maximum Dry Density	~			2.3	30			
Maximum Dry Density Optimum Moisture Content	~	19.0	19.0	2.3	30	19.0	19.0	
Maximum Dry Density Optimum Moisture Content Test procedure AS 1289.5.4.1	%	19.0	19.0	2.3 7.	30 .5	19.0	19.0	
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	19.0	19.0	2.3 7.	30 5 19.0	19.0 - -	19.0	
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	mm wet dry t/m³	-	-	2.3 7. 19.0	30 5 19.0	-	-	
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	-	-	2.3 7. 19.0	30 5 19.0	-	-	
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 Conte	mm wet dry t/m³	- - -	- - -	2.3 7.	19.0 - - - -	- - -	- - - -	
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 Conte	mm wet dry t/m³ ent %	2.0%	2.0%	2.3 7.	19.0 - - - - - 2.5%	- - - - 1.5%	- - - - 1.5%	
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 Conte	mm wet dry t/m³ ent %	- - -	- - -	2.3 7.	19.0 - - - -	- - -	- - - -	
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 Conte	mm wet dry t/m³ ent %	2.0%	2.0%	2.3 7.	19.0 - - - - - 2.5%	- - - - 1.5%	- - - - 1.5%	



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 17150/R004

 6 - 8 Rose Avenue, Croydon, Vic 3136
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 21/04/2017

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 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AC

 Project
 ASPECT - STAGE 9
 Date tested
 19/04/17

 Location
 GREENVALE
 Checked by
 JHF

Feature CLASS 2 Layer thickness 170 mm Time: 10:25:11

Test No		17	18	19	20				
Location		Luster Circuit			Ravine				
					Way				
(Chainage	130	80	30	45				
	Offset	1.8	1.8	1.8	1.8				
		south	north	south	north				
		of kerb	of kerb	of kerb	of kerb				
Approximate depth from F.S.L.	m								
Measurement depth	mm	150	150	150	150				
Field wet density	t/m³	2.41	2.42	2.43	2.39				
Field dry density	t/m³	2.26	2.25	2.25	2.27				
Field moisture content	%	7.0	7.5	7.5	5.5				
Compactive effort	20mm Class 2 - MVQ, Donnybrook MODIFIED								
Material source and location Compactive effort									
Maximum Dry Density	t/m³			2.	30				
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				
Percent of oversize material	wet	-	-	-	-				
Percent of oversize material	dry	-	-	-	-				
Adjusted Maximum Dry Density	t/m³	-	-	-	-				
Adjusted Optimum Moisture Conten	t %	-	-	-	-		<u></u>		
	1	0.50/	0.00/	0.007	0.50/	ı			
Moisture Variation From		0.5%	0.0%	0.0%	2.5%				
Optimum Moisture Conter	nt	dry	wet	wet	dry		<u> </u>		
Moisture Ratio (R _m)	%	92.5	101.5	103.5	68.5	l	Τ		
				1	1				
Density Ratio (R _D)	%	98.0	98.0	98.0	99.0				



July Jo