

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

 Job No
 20102

 Report No
 20102/R001

 Date Issued
 25/02/2020

Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD) Tested by AM

Project CORNERSTONE - STAGE 11 Date tested 25/02/20

Location WYNDHAM VALE Checked by JHF

Feature CAPPING Layer thickness 250 mm Time: 13:26:15

Test No		1	2	3	4	5	6
Location	Ī	Cressy	Hutton	n Road	Grar	ndvista Boule	vard
		Street					
(	Chainage	290	10	60	1000	1050	1100
	Offset	1.8	1.8	1.8	1.8	1.8	1.8
	]	east	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	175	175	175	175	175	175
Field wet density	t/m³	2.11	2.16	2.09	2.11	2.12	2.17
Field dry density	t/m³	1.92	1.94	1.93	1.92	1.92	1.94
Field moisture content	%	10.0	11.5	9.0	10.0	10.5	12.0
Material source and location Compactive effort		40mm Capping - MVQ, Wyndham Vale STANDARD					
Compactive effort							
Maximum Dry Density	t/m³			1.9			
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	37.5
						·	
Percent of oversize material	wet					_	-
Percent of oversize material Percent of oversize material	dry	-	-	-	-	-	-
	dry t/m³	-	- - -	-	-	- -	- - -
Percent of oversize material	dry t/m³	- - -	- - -	- - -	- - -	- - -	- - -
Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten	dry t/m³ nt %	-	- - -	-	-	-	-
Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten  Moisture Variation From	dry t/m³ nt %	4.5%	3.0%	5.5%	4.5%	4.0%	2.5%
Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten	dry t/m³ nt %	-	3.0% dry	-	-	- - - - 4.0% dry	- - - - 2.5% dry
Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten  Moisture Variation From Optimum Moisture Conter	dry t/m³ nt %	- 4.5% dry	dry	5.5%	4.5%	dry	dry
Percent of oversize material Adjusted Maximum Dry Density Adjusted Optimum Moisture Conten  Moisture Variation From	dry t/m³ nt %	4.5%		- 5.5% dry	- 4.5% dry		

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 CIVIL GEOTECHNICAL SERVICES
 Job No
 20102

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 20102/R002

 Date Issued
 25/02/2020

ClientWINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)Tested byAMProjectCORNERSTONE - STAGE 11Date tested25/02/20LocationWYNDHAM VALEChecked byJHF

Feature CAPPING Layer thickness 250 mm Time: 14:15:17

Test No		7	8			
Location			ate Drive			
	Chainage	400	450			
	Offset	1.8	1.8			
		east	west			
		of kerb	of kerb			
Approximate depth from F.S.L.	т					
Measurement depth	mm	175	175			
Field wet density	t/m³	2.12	2.14			
Field dry density	t/m³	1.93	1.93			
Field moisture content	%	10.0	11.0			
Laboratory Companion AS 1200 F	110511	) Assigned I	Jaluan (Con	Donort No. 1001	ALA() (CLI)	
Laboratory Compaction AS 1289.5.  Date of assignment	1.1 & 5.4.2	2 Assigned	values (See	15/01/20		
Material source and location			40mm	Capping - MVQ	-	<u>e</u>
Compactive effort			1011111	STANDA		<u> </u>
Maximum Dry Density	t/m³			1.96		
Optimum Moisture Content	%			14.5		
	•					
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 Conten	nt %	-	-			
Moisture Variation From	<u> </u>	4.5%	3.5%			
		dry	dry			
Optimum Moisture Conter	IL	ury	<u>ury</u>	<u> </u>		I
Moisture Ratio (R <sub>m</sub> )	%	68.0	74.0			
	a. I	00 F	00.5		•	
Density Ratio (R <sub>D</sub> )	%	98.5	98.5			

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 CIVIL GEOTECHNICAL SERVICES
 Job No
 20102

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 20102/R003

 Date Issued
 25/02/2020

ClientWINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)Tested byAMProjectCORNERSTONE - STAGE 11Date tested25/02/20LocationWYNDHAM VALEChecked byJHF

Feature DRAINAGE Layer thickness 200 mm Time: 14:46:08

Test No		9	10	11	12	13	14
Location		<del></del>					
	ļ						
	Pit	170 - 169	167 - 168	161 - 162	161 - 160	162 - 173	164 - 174
	ļ						
		<b>i</b> '					
Approximate depth from F.S.L.	т						
Measurement depth	mm	175	175	175	175	175	175
Field wet density	t/m³	2.38	2.39	2.40	2.40	2.39	2.43
Field dry density	t/m³	2.26	2.28	2.29	2.26	2.26	2.28
Field moisture content	%	5.0	5.0	5.0	6.5	5.5	6.5
Laboratory Composition AS 1290 F.2	1951	2 Assigned !	Jaluan (San	Danart No 20	2014/14/1		
Laboratory Compaction AS 1289.5.2.1  Date of assignment	& 5.4.	2 Assigneu v	/aiues (See i		/2020		
Material source and location			20mm	Class 3 - M\		m Vale	
Compactive effort					IFIED	III Vaio	
Maximum Dry Density	t/m³			2.3			
Optimum Moisture Content	%			7.			
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	%	-	-	-	-	-	-
			T	T	·	T	
Moisture Variation From	ļ	2.5%	2.5%	2.5%	1.5%	2.5%	1.0%
Optimum Moisture Content		dry	dry	dry	dry	dry	dry
Moisture Ratio (R <sub>m</sub> )	0/	65.5	65.0	65.0	81.0	70.0	86.5
Moisture Rado (R <sub>m</sub> )	%	05.5	05.0	05.0	01.0	70.0	00.5
Danaiti: Batia / B	0/	98.5	99.0	99.5	98.0	09.5	99.0
Density Ratio $(R_D)$	%	90.5	33.0	33.5	90.0	98.5	33.0

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 CIVIL GEOTECHNICAL SERVICES
 Job No
 20102

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 20102/R004

 Date Issued
 25/02/2020

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 AM

 Project
 CORNERSTONE - STAGE 11
 Date tested
 25/02/20

 Location
 WYNDHAM VALE
 Checked by
 JHF

FeatureDRAINAGELayer thickness200 mmTime:15:11:34

AS 12892.1.1 & 5.8.1							
Test No		15	16	17	18	19	20
Location		· · · · · · · · · · · · · · · · · · ·					
					1		
	Pit	18 - 3B	3B - 3A	3B - 22B	3A - 12A	22 - 180	22 - 22A
			1		1		
		1	1		1		
Approximate depth from F.S.L.	m		'	<del>                                     </del>			
	mm	175	175	175	175	175	175
·	t/m³	2.41	2.40	2.38	2.40	2.38	2.40
,	t/m³	2.25	2.27	2.26	2.25	2.27	2.28
Field moisture content	%	7.0	6.0	5.5	7.0	5.0	5.5
	- 4		<u> </u>	- (1)-0			
Laboratory Compaction AS 1289.5.2.1 &	5.4.2	<u> </u>	/alues (See l				
Date of assignment  Material source and location	$\longrightarrow$	<u> </u>	20mm		1/2020 VO Wyndhai	\/ala	
Compactive effort	$\rightarrow$	20mm Class 3 - MVQ, Wyndham Vale MODIFIED					
,	t/m³	-					
Optimum Moisture Content	%						
Оринан июваю Селен					<u> </u>		
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
	wet	-	-	-	-	-	-
Percent of oversize material	dry	-	-	-	-	-	-
, , ,	t/m³	-	'	-	-	-	-
Adjusted Optimum Moisture Content	%	-	- '	-	-	-	-
			<del></del>	<del></del>	<del></del>	<del></del>	<del></del>
Moisture Variation From		1.0%	2.0%	2.5%	1.0%	3.0%	2.0%
Optimum Moisture Content		dry	dry	dry	dry	dry	dry
Moisture Ratio (R <sub>m</sub> )	%	89.0	74.5	70.5	89.0	62.0	71.0
* ***							1
Density Ratio (R <sub>D</sub> )	%	98.0	99.0	98.5	98.0	99.0	99.0

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CIVIL GEOTECHNICAL SERVICES

Report No 20102/R005 Date Issued 18/03/2020 6 - 8 Rose Avenue, Croydon, Vic 3136

Job No

20102

WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD) Tested by BGG Client Project **CORNERSTONE - STAGE 11** Date tested 17/03/20 Location WYNDHAM VALE Checked by JHF

Feature CLASS 3 140 mm 16:45:46 Layer thickness Time:

Test No		21	22	23	24	25		
Location		Grai	ndvista Boule	evard	Abbeygate Drive			
CI	hainage	1000	1050	1100	400			
	Offset	1.8	1.8	1.8	1.8	1.8		
		north	south	north	east	west		
		of kerb	of kerb	of kerb	of kerb	of kerb		
Approximate depth from F.S.L.	т							
Measurement depth	mm	100	100	100	100	100		
Field wet density	t/m³	2.40	2.40	2.40	2.39	2.39		
Field dry density	t/m³	2.28	2.28	2.27	2.27	2.27		
Field moisture content	%	5.5	5.5	5.5	5.0	5.5		
Laboratory Compaction AS 1289.5.2. Date of assignment	1 & 5.4.2	2 Assigned	Values (See					
Material source and location		05/03/2020 20mm Class 3 - MVQ, Wyndham Vale						
Compactive effort		MODIFIED						
Maximum Dry Density	t/m³	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	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		2.5%	2.0%	2.0%	2.5%	2.5%		
Optimum Moisture Content		dry	dry	dry	dry	dry		
Moisture Ratio (R <sub>m</sub> )	%	70.0	71.0	72.0	68.0	69.5		
moisture Natio (N <sub>m</sub> )	70	10.0	11.0	12.0	1 00.0	03.5		
Density Ratio (R <sub>D</sub> )	%	98.5	98.5	98.5	98.5	98.5		

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 CIVIL GEOTECHNICAL SERVICES
 Job No
 20102

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 20102/R006

 Date Issued
 18/03/2020

ClientWINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)Tested byBGGProjectCORNERSTONE - STAGE 11Date tested17/03/20LocationWYNDHAM VALEChecked byJHF

Feature CLASS 3 Layer thickness 180 mm Time: 16:59:39

Test No		26	27	28				
Location		Huttor	n Road	Cressy				
				Street				
Ch	ainage	10	60	300	1			
	Offset	1.8	1.8	1.8				
		north	south	east				
		of kerb	of kerb	of kerb				
Approximate depth from F.S.L.	m							
Measurement depth	mm	175	175	175				
Field wet density	t/m³	2.41	2.41	2.39				
Field dry density	t/m³	2.26	2.26	2.26				
Field moisture content	%	6.5	6.5	5.5				
Laboratory Compaction AS 1289.5.2.  Date of assignment	1 & 5.4.2	? Assigned \	/alues (See		03MWVIJ) 3/2020			
Material source and location			20mm Class 3 - MVQ, Wyndham Vale					
Compactive effort	MODIFIED							
Maximum Dry Density	t/m³			2.	31			
Optimum Moisture Content	%			7	.5			
	-							
Test procedure AS 1289.5.4.1		40.0	40.0	40.0	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 Adjusted Optimum Moisture Content	t/m³ %	-	-	-				
Adjusted Optimum Moisture Content	%	-	-	-	<u> </u>			
Moisture Variation From		1.0%	1.0%	2.0%	Ι			
Optimum Moisture Content		dry	dry	dry				
	!	,	, <i>)</i>	/	ļ	ļ.	<u> </u>	
Moisture Ratio (R <sub>m</sub> )	%	86.5	87.0	75.5				
Domaitic Patia ( P. )	0/	98.0	98.0	98.0		1	<u> </u>	
Density Ratio (R <sub>D</sub> )	%	90.0	90.0	90.0				

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