

CIVIL GEOTECHNICAL SERVICES

 Job No
 19333

 Report No
 19333/R001

6 - 8 Rose Avenue, Croydon, Vic 3136

 Date Issued
 22/05/2019

 Tested by
 JB

Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)

Project ALBRIGHT ESTATE - STAGE 7

Date tested

JB 22/05/19

Location TARNEIT

Checked by

JHF

Feature CAPPING

Layer thickness

150 mm

Time:

12:30:09

AS	12892.	1.1	&	5.8.	1

Test No		1	2	3	4	5	6	
Location		Traffor	d Drive	Axle Drive				
	Chainage	670	720	770	820	870	920	
	Offset	1.4	2	1.8	1.5	2.2	1.8	
		north	south	west	east	west	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	2.23	2.23	2.24	2.23	2.27	2.26	
Field dry density	t/m³	1.99	1.97	1.96	1.97	1.98	1.97	
Field moisture content	%	11.5	12.0	13.0	12.5	13.0	13.5	

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

Date of assignment		21/03/2019
Material source and location		40mm Capping - MVQ, Wyndham Vale
Compactive effort		STANDARD
Maximum Dry Density	t/m³	1.97
Optimum Moisture Content	%	14.0

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	-	-	-	-	-	ı
Adjusted Maximum Dry Density	t/m³	1	-	-	1	-	1
Adjusted Optimum Moisture Content	%	-	-	-	-	-	-

Moisture Variation From	1.5%	0.5%	0.5%	0.0%	0.5%	1.0%
Optimum Moisture Content	dry	dry	wet	dry	wet	wet
Moisture Ratio (R_m) %	91.0	97.0	105.0	98.5	105.5	108.0

Density Ratio (R _D)	%	101.0	100.0	99.5	100.0	101.0	100.0



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 CIVIL GEOTECHNICAL SERVICES
 Job No
 19333

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 19333/R003

 Date Issued
 22/05/2019

ClientWINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)Tested byJBProjectALBRIGHT ESTATE - STAGE 7Date tested22/05/19LocationTARNEITChecked byJHF

FeatureCAPPINGLayer thickness150 mmTime:13:50:25

Test No		19	20				
Location		Ludo	Circuit		1		
	Chainage	400	450	1			
	Offset	1.5	2.8				
		east	west				
		of kerb	of kerb				
Approximate depth from F.S.L.	т						
Measurement depth	mm	125	125				
Field wet density	t/m³	2.23	2.27				
Field dry density	t/m³	1.98	2.00				
Field moisture content	%	12.0	12.0				
Date of assignment Material source and location		21/03/2019 40mm Capping - MVQ, Wyndham Vale					
Compactive effort					NDARD		
Maximum Dry Density	t/m³				.97		
Optimum Moisture Content	%			1	4.0		
Test procedure AS 1289.5.4.1							
Oversize rock retained on sieve	mm	37.5	37.5	<u> </u>	<u> </u>		
Percent of oversize material	wet	-	-	<u> </u>	<u> </u>		
Percent of oversize material	dry	-	-	<u> </u>	<u> </u>		
Adjusted Maximum Dry Density	t/m³	-	-				
Adjusted Optimum Moisture Conte	nt %	-	-				
Moisture Variation From	, [1.0%	0.5%	T	T		
Optimum Moisture Conte		dry	dry				
Optimum mototare come	<i></i>	۷. ۶	۵. ۶				

100.5

101.5



Density Ratio (R_D)

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 CIVIL GEOTECHNICAL SERVICES
 Job No
 19333

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 19333/R004

 Date Issued
 22/05/2019

 Client
 WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)
 Tested by
 JB

 Project
 ALBRIGHT ESTATE - STAGE 7
 Date tested
 22/05/19

 Location
 TARNEIT
 Checked by
 JHF

FeatureDRAINAGELayer thickness200 mmTime:14:15:26

Test No		15	16	17	18	19	20		
Location									
	Pit	1 - 9	9 - 21	11 - 12	13 - 22	14 - 36	5 - 6		
Approximate depth from F.S.L.	т								
Measurement depth	mm	175	175	175	175	175	175		
Field wet density	t/m³	2.41	2.40	2.42	2.41	2.42	2.41		
Field dry density	t/m³	2.28	2.28	2.30	2.28	2.30	2.28		
Field moisture content	%	6.0	5.5	5.5	5.5	5.5	5.5		
Laboratory Compaction AS 1289.5.2	.1 & 5.4.2	Assigned V	'alues (See I	•	,				
Date of assignment					/2019				
Material source and location		20mm Class 3 - MVQ, Wyndham Vale							
Compactive effort					IFIED				
Maximum Dry Density	t/m³	2.32							
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	ı	-	-	-	-	-
Percent of oversize material	dry	-	-	-	-	-	-
Adjusted Maximum Dry Density	t/m³	1	-	-	-	-	-
Adjusted Optimum Moisture Content	%	ı	-	-	-	-	•

Moisture Variation From	1.5%	2.0%	2.0%	2.0%	2.0%	2.0%
Optimum Moisture Content	dry	dry	dry	dry	dry	dry
Moisture Ratio (R_m)	77.5	72.0	70.0	74.5	72.5	76.0
Density Ratio (R _D) %	98.5	98.5	99.5	98.5	99.5	98.5

NATA

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 CIVIL GEOTECHNICAL SERVICES
 Report No
 19333/R005

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Date Issued
 22/05/2019

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	JB	
Project	ALBRIGHT ESTATE - STAGE 7	Date tested	22/05/19	
Location	TARNEIT	Checked by	JHF	

FeatureDRAINAGELayer thickness200 mmTime:14:59:11

Test No		21	22	23			
Location							
	Pit	3 - 2	27 - 35	28 - 29			
Approximate depth from F.S.L.	m						
Measurement depth	mm	175	175	175			
Field wet density	t/m³	2.38	2.40	2.41			
Field dry density	t/m³	2.28	2.27	2.29			
Field moisture content	%	5.0	5.5	5.5			
Laboratory Compaction AS 1289.5.2.	1 & 5.4.2	Assigned \	/alues (See F				
Date of assignment					5/2019		
Material source and location			20mm	Class 3 - M		am Vale	
Compactive effort				MOD	IFIED		
Maximum Dry Density	t/m³			2.	32		
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	-	-	-			
5					1		

Oversize rock retained on sieve	mm	19.0	19.0	19.0		
Percent of oversize material	wet	ı	-	ı		
Percent of oversize material	dry	-	-	-		
Adjusted Maximum Dry Density	t/m³	-	-	-		
Adjusted Optimum Moisture Content	%	ı	-	-		

Moisture Variation From		2.5%	2.0%	2.0%		
Optimum Moisture Content		dry	dry	dry		
Moisture Ratio (R_m)	%	64.0	72.0	70.0		
				-		

	Density Ratio (R _D) %	98.0	98.0	99.0			
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CIVIL GEOTECHNICAL SERVICES

Report No 19333/R006 Date Issued 05/07/2019 6 - 8 Rose Avenue, Croydon, Vic 3136

WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD) Tested by Client JB Project ALBRIGHT ESTATE - STAGE 7B Date tested 05/07/19 Checked by Location **TRUGANINA** JHF

Feature **CLASS 3** Layer thickness 160 mm Time: 10:00:00

		24	25	26	27	28	29
Location				Ludo Circuit			Axle
							Drive
C	hainage	250	300	350	400	450	770
	Offset	1.5	2.1	1.4	1.2	1.8	2.7
		east	south	west	east	west	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	2.39	2.44	2.48	2.47	2.47	2.44
Field dry density	t/m³	2.30	2.30	2.30	2.30	2.30	2.30
Field moisture content	%	4.0	6.0	8.0	7.0	7.0	6.0
Compactive effort		20mm Class 3 - MVQ, Wyndham Vale MODIFIED 2.34					
Compactive effort Maximum Dry Density Optimum Moisture Content	t/m³ %				34		
Maximum Dry Density				2.3	34		
Maximum Dry Density Optimum Moisture Content Test procedure AS 1289.5.4.1		19.0	19.0	2.3	34	19.0	19.0
Maximum Dry Density Optimum Moisture Content Test procedure AS 1289.5.4.1 Oversize rock retained on sieve	%	19.0	19.0	2.3 7.	34 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	% mm	19.0	19.0	2.3 7.	34 5	19.0	19.0
Maximum Dry Density Optimum Moisture Content	mm wet	19.0 - - -	19.0 - -	2.3 7.	34 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 Adjusted Maximum Dry Density	mm wet dry	-	19.0	2.3 7.	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	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 Content	mm wet dry t/m³	- - -	- - -	2.3 7.	19.0 - - - -	- - - -	- - - -

98.0

98.5

98.0

98.5

Density Ratio (R_D)

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98.0

Approved Signatory: Justin Fry

98.0

Job No

19333



CIVIL GEOTECHNICAL SERVICES

Job No Report No 19333 19333/R007

6 - 8 Rose Avenue, Croydon, Vic 3136

Report No Date Issued

05/07/2019

Client WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)

Project ALBRIGHT ESTATE - STAGE 7B

Tested by
Date tested
Checked by

05/07/19 JHF

JB

Location TRUGANINA

160 mm

Time:

10:40:01

Feature

Layer thickness

AS 12892.1.1 & 5.8.1

CLASS 3

AS 12892.1.1 & 5.8.1							
Test No		30	31	32	33	34	35
Location				Axle	Drive	_	
	Chainage	820	870	920	970	1020	1070
	Offset	1.5	1.8	1.4	2.4	1.5	1.4
		east	west	north	east	west	east
		of kerb					
Approximate depth from F.S.L.	т						
Measurement depth	mm	150	150	150	150	150	150
Field wet density	t/m³	2.44	2.48	2.47	2.44	2.45	2.48
Field dry density	t/m³	2.30	2.30	2.29	2.29	2.29	2.33
Field moisture content	%	6.0	8.0	8.0	6.0	7.0	6.5

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

		9 1 /
Date of assignment		04/07/2019
Material source and location		20mm Class 3 - MVQ, Wyndham Vale
Compactive effort		MODIFIED
Maximum Dry Density	t/m³	2.34
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	ı	ı	ı	-	-	-
Percent of oversize material	dry	-	-	-	-	-	-
Adjusted Maximum Dry Density	t/m³	-	-	-	-	-	-
Adjusted Optimum Moisture Content	%	-	-	-	-	-	-

Moisture Variation From	1.5%	0.5%	0.5%	1.0%	0.5%	1.0%
Optimum Moisture Content	dry	wet	wet	dry	dry	dry
Moisture Ratio (R _m) %	77.5	109.0	109.0	84.5	94.0	85.5
	•	•	•			

Density Ratio (R _D)	%	98.5	98.0	98.0	98.0	98.0	99.5

NATA

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 CIVIL GEOTECHNICAL SERVICES
 Job No
 19333

 6 - 8 Rose Avenue, Croydon, Vic 3136
 Report No
 19333/R008

 Date Issued
 05/07/2019

ClientWINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)Tested byJBProjectALBRIGHT ESTATE - STAGE 7BDate tested05/07/19LocationTRUGANINAChecked byJHF

FeatureCLASS 3Layer thickness160 mmTime:11:20:36

Test No		36	37				
Location		Traffor	d Drive				
	Chainage	670	720	-			
	Offset	1.5	1.8				
		north	south				
		of kerb	of kerb				
Approximate depth from F.S.L.	т						
Measurement depth	mm	150	150				
Field wet density	t/m³	2.44	2.47				
Field dry density	t/m³	2.30	2.33				
Field moisture content	%	6.0	6.0				
Material source and location			2011111	Class 3 - M	VQ, Wynar DIFIED	iam vaie	
Maximum Dry Density	t/m³			2.	34		
Maximum Dry Density Optimum Moisture Content	t/m³ %			2.			
Maximum Dry Density Optimum Moisture Content Test procedure AS 1289.5.4.1	%			2.	34		
Maximum Dry Density Optimum Moisture Content Test procedure AS 1289.5.4.1 Oversize rock retained on sieve	% mm	19.0	19.0	2.	34		
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	2.	34		
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	-	-	2.	34		
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	- - -	19.0	2.	34		
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.	34		
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.	34		
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 Cont Moisture Variation Fro Optimum Moisture Cont	mm wet dry t/m³ tent %	- - -	- - -	2.	34		

98.0

99.5

NATA

Density Ratio (R_D)

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