

REPORT OF COMPACTION CONTROL (HILF RAPID METHOD)

Job No.: 7189/23/951

AS 1289 2.1.1, 5.7.1, 5.8.1 RC 316.00		Using Humboldt: 8639		Date field tested : 4/10/23	
Compaction Report Ref. No. 7189/23/951		K Value : 0		Time : 15:10:00	
Project: Estuary Estate II Stage 2 Lot Fill					
Client : Drapers Civil Contracting Pty Ltd PO Box 287 Belmont VIC 3216					
Material: Clay ex Site		Compactive effort:		Standard	
Sand used: no		Standard count: DS: 2760.9		MS: 337	
Layer depth of 275 mm		Test depth of 250 mm		for 60 secs	
Test Lot Bounds NA		to NA		Client Ref:	
Site No.	1	2	3	4	
Location	E278060 N5768912 Lot 1823 Layer 1	E278064 N5768922 Lot 1822 Layer 1	E278054 N5768932 Lot 1821 Layer 1	E278053 N5768940 Lot 1820 Layer 1	
wet density (t/m ³)	1.82	2.04	2.01	1.99	
field mc%	17.8	20.9	17.9	17.0	
dry density (t/m ³)	1.55	1.69	1.71	1.70	
pcwd (t/m ³)	1.90	1.91	1.97	1.99	
omc (%)	22.0	23.0	20.0	19.0	
Oversize material retained on sieve... (mm)	19.0	19.0	19.0	19.0	
% wet oversize	0	0	0	0	
% dry oversize	0	0	0	0	
adjusted pcwd	1.90	1.91	1.97	1.99	
adjusted omc	21.8	23.0	20.2	19.2	
moisture variation (+ wet / - dry of omc)	-4.0	-2.0	-2.5	-2.0	
moisture ratio (%)	81.7	90.9	88.6	88.5	
density ratio (%)	96.0	106.5	102.5	99.5	

Tested over period : 04/10/2023 to 06/10/2023

mean moisture ratio	87.4
mean density ratio	101.1

Sampling Method Used :

AS1289.1.2.1 Clause 6.4 – from layers in pavement or earthworks

Notes:



NATA Accredited Testing Facility : Accreditation Number : No 10664
Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory:

R. Bennett

Date:

6/10/2023

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REPORT OF COMPACTION CONTROL (HILF RAPID METHOD)

Job No.: 7189/23/956

AS 1289 2.1.1, 5.7.1, 5.8.1 RC 316.00		Using Humboldt:	8639	Date field tested :	5/10/23
Compaction Report Ref. No. 7189/23/956		K Value : 0		Time : 11:40:00	
Project: Estuary Estate II Stage 2 Lot Fill					
Client : Drapers Civil Contracting Pty Ltd PO Box 287 Belmont VIC 3216					
Material: Clay ex Site		Compactive effort:		Standard	
Sand used:	no	Standard count:	DS: 2768.5	MS:	332.2
Layer depth of	275 mm	Test depth of	250 mm	for 60 secs	
Test Lot Bounds	NA	to	NA	Client Ref:	
Site No.	1				
Location	E278129 n N5768971 Lot 1831 Old Pool Infill				
wet density (t/m ³)	1.93				
field mc%	25.6				
dry density (t/m ³)	1.53				
pcwd (t/m ³)	1.88				
omc (%)	26.0				
Oversize material retained on sieve...(mm)	19.0				
% wet oversize	0				
% dry oversize	0				
adjusted pcwd	1.88				
adjusted omc	26.0				
moisture variation (+ wet / - dry of omc)	-0.5				
moisture ratio (%)	98.5				
density ratio (%)	102.5				

Tested over period : 05/10/2023 to 12/10/2023

mean moisture ratio	98.5
mean density ratio	102.5

Sampling Method Used :

AS1289.1.2.1 Clause 6.4 – from layers in pavement or earthworks

Notes:



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12/10/2023

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REPORT OF COMPACTION CONTROL (HILF RAPID METHOD)

Job No.: 7189/23/956

AS 1289 2.1.1, 5.7.1, 5.8.1 RC 316.00		Using Humboldt: 8639		Date field tested : 5/10/23		
Compaction Report Ref. No. 7189/23/956		K Value : 0		Time : 11:40:00		
Project: Estuary Estate II Stage 2 Lot Fill						
Client : Drapers Civil Contracting Pty Ltd PO Box 287 Belmont VIC 3216						
Material: Clay ex Site		Compactive effort:		Standard		
Sand used: no		Standard count: DS: 2768.5		MS: 332.2		
Layer depth of 275 mm		Test depth of 250 mm		for 60 secs		
Test Lot Bounds NA to NA		Client Ref:				
Site No.	1	2	3	4	5	6
Location	E278057 N5768886 Lot 1824 Layer 1	E278060 N5768886 Lot 1824 Layer 2	E278061 N5768900 Lot 1823 Layer 1	E278066 N5768902 Lot 1823 Layer 2	E278070 N5768917 Lot 1822 Layer 2	E278062 N5768931 Lot 1821 Layer 2
wet density (t/m ³)	1.86	1.99	1.96	1.91	1.99	2.02
field mc%	17.6	18.2	21.1	18.9	20.6	24.4
dry density (t/m ³)	1.58	1.69	1.62	1.60	1.65	1.62
pcwd (t/m ³)	1.94	1.87	1.94	1.97	1.92	1.88
omc (%)	20.0	21.0	21.0	21.0	23.0	27.0
Oversize material retained on sieve... (mm)	19.0	19.0	19.0	19.0	19.0	19.0
% wet oversize	0	1	0	0	0	0
% dry oversize	0	1	0	0	0	0
adjusted pcwd	1.94	1.88	1.94	1.97	1.92	1.88
adjusted omc	20.1	20.4	21.4	21.0	22.7	26.6
moisture variation (+ wet / - dry of omc)	-2.5	-2.0	-0.5	-2.0	-2.0	-2.0
moisture ratio (%)	87.5	89.3	98.6	90.0	90.7	91.7
density ratio (%)	96.0	106.0	101.0	97.0	103.5	107.0

Tested over period : 05/10/2023 to 12/10/2023

mean moisture ratio	91.3
mean density ratio	101.8

Sampling Method Used :

AS1289.1.2.1 Clause 6.4 – from layers in pavement or earthworks

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REPORT OF COMPACTION CONTROL (HILF RAPID METHOD)

Job No.: 7189/23/960

AS 1289 2.1.1, 5.7.1, 5.8.1 RC 316.00		Using Humboldt: 8639		Date field tested : 6/10/23		
Compaction Report Ref. No. 7189/23/960		K Value : 0		Time : 13:10:00		
Project: Estuary Estate II Stage 2 Lot Fill						
Client : Drapers Civil Contracting Pty Ltd PO Box 287 Belmont VIC 3216						
Material: Clay ex Site		Compactive effort:		Standard		
Sand used: no		Standard count: DS: 2787.6		MS: 338		
Layer depth of 275 mm		Test depth of 250 mm		for 60 secs		
Test Lot Bounds NA to NA		Client Ref:				
Site No.	1	2	3	4	5	
Location	E278088 N57689089 Lot 1809 Layer 1	E278084 N5769084 Lot 1810 Layer 1	E278130 N5768967 Lot 1831 Layer 2	E278122 N5768893 Lot 1826 Layer 1	E278119 N5768886 Lot 1825	
wet density (t/m ³)	1.95	1.98	1.90	1.96	1.98	
field mc%	15.5	19.7	22.4	23.3	22.3	
dry density (t/m ³)	1.69	1.65	1.55	1.59	1.62	
pcwd (t/m ³)	1.89	1.96	1.94	1.95	1.93	
omc (%)	19.0	20.0	22.0	23.0	25.0	
Oversize material retained on sieve...(mm)	19.0	19.0	19.0	19.0	19.0	
% wet oversize	0	0	0	0	0	
% dry oversize	0	0	0	0	0	
adjusted pcwd	1.89	1.96	1.94	1.95	1.93	
adjusted omc	19.5	19.7	22.3	23.3	24.7	
moisture variation (+ wet / - dry of omc)	-4.0	0.0	0.0	0.0	-2.5	
moisture ratio (%)	79.5	100.0	100.4	100.0	90.3	
density ratio (%)	103.5	101.0	98.0	100.0	102.5	

Tested over period : 06/10/2023 to 12/10/2023

mean moisture ratio	94.0
mean density ratio	101.0

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