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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 1 of 38**	

Sample Number :	14-3156	14-3157	14-3158	14-3159
Test Number :	1	2	3	4
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	24/07/2014	24/07/2014	24/07/2014	24/07/2014
Date Tested :	24/07/2014	24/07/2014	24/07/2014	24/07/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5515.63 Northing 4375.89 RL 33.51	Sample ID Easting 5540.89 Northing 4340.66 RL 34.01	Sample ID Easting 5545.17 Northing 4330.99 RL 33.53	Sample ID Easting 5562.19 Northing 4348.55 RL 33.89
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	24.8	21.9	25.3	25.4
MDR Number :	14-3156	14-3157	14-3158	14-3159
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	25/07/2014	25/07/2014	25/07/2014	25/07/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.0	98.0	95.0	95.0
Field Dry Density (t/m³) :	1.579	1.593	1.516	1.532
Variation from OMC :	1% dry of omc	0.5% dry of omc	1.5% dry of omc	1.5% dry of omc
MDD (t/m³) :	1.559	1.587	1.515	1.510
OMC (%) :	25.8	22.4	26.7	26.8
Density Ratio (%) :	**101.5**	**100.5**	**100.0**	**101.5**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :	Clay, Moist, Dark Brown			
Remarks :	-			

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Jamie Jackson - Manager
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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 2 of 38**	

Sample Number :	14-3160	14-3161	14-3162	14-3163
Test Number :	5	6	7	8
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	28/07/2014	28/07/2014	28/07/2014	28/07/2014
Date Tested :	28/07/2014	28/07/2014	28/07/2014	28/07/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5519.37 Northing 4377.48 RL 33.71	Sample ID Easting 5542.10 Northing 4345.65 RL 34.27	Sample ID Easting 5547.00 Northing 4335.91 RL 33.66	Sample ID Easting 5565.50 Northing 4351.26 RL 34.02
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	21.8	22.6	21.1	26.0
MDR Number :	14-3160	14-3161	14-3162	14-3163
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	29/07/2014	29/07/2014	29/07/2014	29/07/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	97.0	94.5	94.0	96.5
Field Dry Density (t/m³) :	1.563	1.595	1.574	1.510
Variation from OMC :	0.5% dry of omc	1.5% dry of omc	1.5% dry of omc	1% dry of omc
MDD (t/m³) :	1.560	1.577	1.562	1.489
OMC (%) :	22.5	23.9	22.5	27.0
Density Ratio (%) :	**100.0**	**101.0**	**101.0**	**101.5**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 3 of 38**	

Sample Number :	14-3164	14-3165	14-3166	14-3167
Test Number :	9	10	11	12
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	28/07/2014	28/07/2014	1/08/2014	1/08/2014
Date Tested :	28/07/2014	28/07/2014	1/08/2014	1/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5580.21 Northing 4341.06 RL 34.29	Sample ID Easting 5591.26 Northing 4360.01 RL 34.04	Sample ID Easting 5564.32 Northing 4350.17 RL 34.32	Sample ID Easting 5581.39 Northing 4343.80 RL 34.32
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	25.6	22.1	25.0	24.4
MDR Number :	14-3164	14-3165	14-3166	14-3167
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	29/07/2014	29/07/2014	4/08/2014	4/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	98.0	84.5	95.0	97.0
Field Dry Density (t/m³) :	1.521	1.528	1.590	1.577
Variation from OMC :	0.5% dry of omc	4% dry of omc	1.5% dry of omc	0.5% dry of omc
MDD (t/m³) :	1.505	1.502	1.581	1.550
OMC (%) :	26.1	26.1	26.3	25.1
Density Ratio (%) :	**101.0**	**101.5**	**100.5**	**101.5**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 4 of 38**	

Sample Number :	14-3168	14-3169	14-3170	14-3171
Test Number :	13	14	15	16
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	1/08/2014	1/08/2014	1/08/2014	1/08/2014
Date Tested :	1/08/2014	1/08/2014	1/08/2014	1/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5595.45 Northing 4363.51 RL 34.34	Sample ID Easting 5612.34 Northing 4354.26 RL 35.71	Sample ID Easting 5626.60 Northing 4368.52 RL 34.0	Sample ID Easting 5643.44 Northing 4351.63 RL 34.37
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	25.1	24.2	20.0	19.1
MDR Number :	14-3168	14-3169	14-3170	14-3171
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	4/08/2014	4/08/2014	4/08/2014	4/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.0	97.5	95.0	93.0
Field Dry Density (t/m³) :	1.519	1.549	1.622	1.639
Variation from OMC :	1% dry of omc	0.5% dry of omc	1% dry of omc	1.5% dry of omc
MDD (t/m³) :	1.498	1.519	1.605	1.621
OMC (%) :	26.2	24.8	21.0	20.5
Density Ratio (%) :	**101.5**	**102.0**	**101.0**	**101.0**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 5 of 38**	

Sample Number :	14-3172	14-3173	14-3174	14-3175
Test Number :	17	18	19	20
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	4/08/2014	4/08/2014	4/08/2014	4/08/2014
Date Tested :	4/08/2014	4/08/2014	4/08/2014	4/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5666.97 Northing 4355.97 RL 34.81	Sample ID Easting 5686.84 Northing 4368.61 RL 34.06	Sample ID Easting 5697.06 Northing 4374.16 RL 34.52	Sample ID Easting 5682.14 Northing 4371.05 RL 34.36
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	23.1	19.7	25.4	24.7
MDR Number :	14-3172	14-3173	14-3174	14-3175
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	5/08/2014	5/08/2014	5/08/2014	5/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.5	96.5	96.0	94.5
Field Dry Density (t/m³) :	1.623	1.671	1.508	1.585
Variation from OMC :	1% dry of omc	0.5% dry of omc	1% dry of omc	1.5% dry of omc
MDD (t/m³) :	1.614	1.641	1.481	1.562
OMC (%) :	23.9	20.4	26.4	26.1
Density Ratio (%) :	**100.5**	**102.0**	**102.0**	**101.5**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 6 of 38**	

Sample Number :	14-3176	14-3177	14-3178	14-3179
Test Number :	21	22	23	24
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	6/08/2014	6/08/2014	6/08/2014	6/08/2014
Date Tested :	6/08/2014	6/08/2014	6/08/2014	6/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5727.00 Northing 4347.88 RL 34.97	Sample ID Easting 5739.00 Northing 4358.25 RL 34.70	Sample ID Easting 5760.99 Northing 4351.62 RL 34.91	Sample ID Easting 5664.71 Northing 4365.50 RL 34.31
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	21.2	21.7	22.7	23.2
MDR Number :	14-3176	14-3177	14-3178	14-3179
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	7/08/2014	7/08/2014	7/08/2014	7/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	94.0	94.5	96.0	94.5
Field Dry Density (t/m³) :	1.639	1.620	1.548	1.553
Variation from OMC :	1.5% dry of omc	1.5% dry of omc	1% dry of omc	1.5% dry of omc
MDD (t/m³) :	1.630	1.590	1.544	1.526
OMC (%) :	22.5	23.0	23.7	24.6
Density Ratio (%) :	**100.5**	**102.0**	**100.5**	**102.0**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 7 of 38**	

Sample Number :	14-3180	14-3181	14-3182	14-3183
Test Number :	25	26	27	28
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	6/08/2014	6/08/2014	8/08/2014	8/08/2014
Date Tested :	6/08/2014	6/08/2014	8/08/2014	8/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5695.11 Northing 4377.51 RL 34.61	Sample ID Easting 5680.21 Northing 4370.36 RL 34.56	Sample ID Easting 5850.59 Northing 4418.58 RL 36.49	Sample ID Easting 5807.36 Northing 4407.59 RL 35.78
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	25.5	24.6	25.6	22.3
MDR Number :	14-3180	14-3181	14-3182	14-3183
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	7/08/2014	7/08/2014	11/08/2014	11/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	99.0	96.5	95.0	96.0
Field Dry Density (t/m³) :	1.505	1.521	1.531	1.596
Variation from OMC :	0% dry of omc	1% dry of omc	1.5% dry of omc	1% dry of omc
MDD (t/m³) :	1.490	1.504	1.516	1.585
OMC (%) :	25.7	25.5	26.9	23.2
Density Ratio (%) :	**101.0**	**101.0**	**101.0**	**100.5**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 8 of 38**	

Sample Number :	14-3184	14-3185	14-3186	14-3187
Test Number :	29	30	31	32
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	8/08/2014	8/08/2014	8/08/2014	8/08/2014
Date Tested :	8/08/2014	8/08/2014	8/08/2014	8/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5829.42 Northing 4375.4 RL 35.6	Sample ID Easting 5729.42 Northing 4346.92 RL 35.27	Sample ID Easting 5740.02 Northing 4351.36 RL 35.00	Sample ID Easting 5758.81 Northing 4355.31 RL 35.18
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	22.1	24.4	21.1	19.5
MDR Number :	14-3184	14-3185	14-3186	14-3187
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	11/08/2014	11/08/2014	11/08/2014	11/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.5	95.0	95.5	94.5
Field Dry Density (t/m³) :	1.593	1.529	1.644	1.653
Variation from OMC :	1% dry of omc	1.5% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.562	1.501	1.631	1.648
OMC (%) :	22.9	25.7	22.1	20.6
Density Ratio (%) :	**102.0**	**102.0**	**101.0**	**100.5**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 9 of 38**	

Sample Number :	14-3188	14-3189	14-3190	14-3191
Test Number :	33	34	35	36
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	12/08/2014	12/08/2014	12/08/2014	12/08/2014
Date Tested :	12/08/2014	12/08/2014	12/08/2014	12/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5778.50 Northing 4394.47 RL 35.81	Sample ID Easting 5786.45 Northing 4381.41 RL 35.75	Sample ID Easting 5825.23 Northing 4398.82 RL 36.33	Sample ID Easting 5820.40 Northing 4384.32 RL 35.81
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	23.3	22.1	21.3	25.0
MDR Number :	14-3188	14-3189	14-3190	14-3191
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	13/08/2014	13/08/2014	13/08/2014	13/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.0	94.5	94.5	96.0
Field Dry Density (t/m³) :	1.573	1.561	1.548	1.542
Variation from OMC :	1% dry of omc	1.5% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.552	1.534	1.520	1.528
OMC (%) :	24.3	23.4	22.5	26.0
Density Ratio (%) :	**101.5**	**102.0**	**102.0**	**101.0**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 10 of 38**	

Sample Number :	14-3192	14-3193	14-3194	14-3195
Test Number :	37	38	39	40
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	12/08/2014	12/08/2014	12/08/2014	14/08/2014
Date Tested :	12/08/2014	12/08/2014	12/08/2014	14/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5519.63 Northing 4350.72 RL 33.91	Sample ID Easting 5539.02 Northing 4345.66 RL 34.27	Sample ID Easting 5543.19 Northing 4335.70 RL 33.66	Sample ID Easting 5464.19 Northing 4434.87 RL 34.63
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	21.8	19.8	19.9	25.1
MDR Number :	14-3192	14-3193	14-3194	14-3195
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	13/08/2014	13/08/2014	13/08/2014	15/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.5	92.5	95.5	96.0
Field Dry Density (t/m³) :	1.611	1.627	1.667	1.517
Variation from OMC :	1% dry of omc	1.5% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.596	1.605	1.647	1.490
OMC (%) :	22.6	21.4	20.8	26.1
Density Ratio (%) :	**101.0**	**101.5**	**101.0**	**102.0**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

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Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 11 of 38**	

Sample Number :	14-3196	14-3197	14-3198	14-3199
Test Number :	41	42	43	44
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	14/08/2014	14/08/2014	14/08/2014	19/08/2014
Date Tested :	14/08/2014	14/08/2014	14/08/2014	19/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5458.73 Northing 4450.81 RL 34.48	Sample ID Easting 5458.52 Northing 4400.17 RL 34.58	Sample ID Easting 5490.10 Northing 4465.35 RL 34.36	Sample ID Easting 5643.42 Northing 4449.68 RL 36.15
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	22.3	22.3	21.4	23.0
MDR Number :	14-3196	14-3197	14-3198	14-3199
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	15/08/2014	15/08/2014	15/08/2014	20/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	95.5	94.0	94.5	95.0
Field Dry Density (t/m³) :	1.603	1.594	1.620	1.583
Variation from OMC :	1% dry of omc	1.5% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.590	1.583	1.597	1.570
OMC (%) :	23.4	23.7	22.6	24.2
Density Ratio (%) :	**101.0**	**100.5**	**101.5**	**101.0**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

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Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 12 of 38**	

Sample Number :	14-3200	14-3201	14-3202	14-3203
Test Number :	45	46	47	48
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	19/08/2014	19/08/2014	19/08/2014	19/08/2014
Date Tested :	19/08/2014	19/08/2014	19/08/2014	19/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5641.31 Northing 4432.47 RL 36.08	Sample ID Easting 5636.54 Northing 4410.39 RL 35.94	Sample ID Easting 5612.28 Northing 4407.67 RL 35.74	Sample ID Easting 5610.08 Northing 4430.87 RL 35.74
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	23.7	22.2	20.7	23.9
MDR Number :	14-3200	14-3201	14-3202	14-3203
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	20/08/2014	20/08/2014	20/08/2014	20/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	95.0	97.5	93.5	93.5
Field Dry Density (t/m³) :	1.561	1.618	1.589	1.585
Variation from OMC :	1% dry of omc	0.5% dry of omc	1.5% dry of omc	1.5% dry of omc
MDD (t/m³) :	1.537	1.593	1.582	1.560
OMC (%) :	24.9	22.8	22.1	25.5
Density Ratio (%) :	**101.5**	**101.5**	**100.5**	**101.5**
Minimum Specification :	100	100	100	100
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

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Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 13 of 38**	

Sample Number :	14-3204	14-3205	14-3206	14-3207
Test Number :	49	50	51	52
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	19/08/2014	19/08/2014	19/08/2014	21/08/2014
Date Tested :	19/08/2014	19/08/2014	19/08/2014	21/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5610.30 Northing 4452.68 RL 35.85	Sample ID Easting 5563.65 Northing 4460.57 RL 34.97	Sample ID Easting 5560.97 Northing 4428.95 RL 35.08	Sample ID Easting 5558.50 Northing 4409.03 RL 34.98
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	22.9	21.5	25.5	24.5
MDR Number :	14-3204	14-3205	14-3206	14-3207
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	20/08/2014	20/08/2014	20/08/2014	22/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.0	94.5	95.5	97.5
Field Dry Density (t/m³) :	1.572	1.623	1.514	1.516
Variation from OMC :	1% dry of omc	1.5% dry of omc	1% dry of omc	0.5% dry of omc
MDD (t/m³) :	1.554	1.592	1.492	1.496
OMC (%) :	23.9	22.8	26.7	25.1
Density Ratio (%) :	**101.0**	**102.0**	**101.5**	**101.5**
Minimum Specification :	100	100	100	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 14 of 38**	

Sample Number :	14-3208	14-3209	14-3210	14-3211
Test Number :	53	54	55	56
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	21/08/2014	21/08/2014	21/08/2014	21/08/2014
Date Tested :	21/08/2014	21/08/2014	21/08/2014	21/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5527.53 Northing 4414.55 RL 35.58	Sample ID Easting 5529.14 Northing 4428.88 RL 35.59	Sample ID Easting 5529.71 Northing 4459.78 RL 35.63	Sample ID Easting 5490.51 Northing 4451.81 RL 35.96
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	23.5	21.7	25.3	25.4
MDR Number :	14-3208	14-3209	14-3210	14-3211
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	22/08/2014	22/08/2014	22/08/2014	22/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	95.0	94.0	95.0	97.0
Field Dry Density (t/m³) :	1.618	1.595	1.493	1.488
Variation from OMC :	1% dry of omc	1.5% dry of omc	1.5% dry of omc	1% dry of omc
MDD (t/m³) :	1.618	1.564	1.485	1.488
OMC (%) :	24.7	23.1	26.7	26.2
Density Ratio (%) :	**100.0**	**102.0**	**100.5**	**100.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 15 of 38**	

Sample Number :	14-3212	14-3213	14-3214	14-3215
Test Number :	57	58	59	60
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	21/08/2014	21/08/2014	21/08/2014	26/08/2014
Date Tested :	21/08/2014	21/08/2014	21/08/2014	26/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5469.25 Northing 4455.47 RL 35.65	Sample ID Easting 5460.49 Northing 4417.69 RL 35.63	Sample ID Easting 5484.82 Northing 4409.28 RL 35.89	Sample ID Easting 5456.14 Northing 4397.94 RL 34.70
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	23.1	24.4	20.8	24.5
MDR Number :	14-3212	14-3213	14-3214	14-3215
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	22/08/2014	22/08/2014	22/08/2014	27/08/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	94.5	94.5	96.0	96.0
Field Dry Density (t/m³) :	1.531	1.529	1.627	1.516
Variation from OMC :	1.5% dry of omc	1.5% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.529	1.507	1.617	1.496
OMC (%) :	24.4	25.8	21.7	25.5
Density Ratio (%) :	**100.0**	**101.5**	**100.5**	**101.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 16 of 38**	

Sample Number :	14-3216	14-3217	14-3218	14-3219
Test Number :	61	62	63	64
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	26/08/2014	26/08/2014	26/08/2014	29/08/2014
Date Tested :	26/08/2014	26/08/2014	26/08/2014	29/08/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5460.39 Northing 4421.91 RL 34.75	Sample ID Easting 5510.67 Northing 4448.56 RL 35.41	Sample ID Easting 5534.66 Northing 4409.55 RL 37.43	Sample ID Easting 5576.36 Northing 4391.38 RL 35.50
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	21.0	25.1	22.6	21.5
MDR Number :	14-3216	14-3217	14-3218	14-3219
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	27/08/2014	27/08/2014	27/08/2014	1/09/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	93.0	95.5	97.5	95.0
Field Dry Density (t/m³) :	1.619	1.502	1.592	1.581
Variation from OMC :	1.5% dry of omc	1% dry of omc	0.5% dry of omc	1% dry of omc
MDD (t/m³) :	1.610	1.492	1.568	1.577
OMC (%) :	22.6	26.3	23.2	22.6
Density Ratio (%) :	**100.5**	**100.5**	**101.5**	**100.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 17 of 38**	

Sample Number :	14-3220	14-3221	14-3222	14-3223
Test Number :	65	66	67	68
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	29/08/2014	29/08/2014	29/08/2014	2/09/2014
Date Tested :	29/08/2014	29/08/2014	29/08/2014	2/09/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5608.59 Northing 4426.78 RL 35.50	Sample ID Easting 5638.55 Northing 4440.62 RL 36.12	Sample ID Easting 5650.78 Northing 4398.33 RL 36.01	Sample ID Easting 5653.50 Northing 4364.55 RL 35.11
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	20.4	24.2	22.8	25.8
MDR Number :	14-3220	14-3221	14-3222	14-3223
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	1/09/2014	1/09/2014	1/09/2014	3/09/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.0	97.0	96.0	97.0
Field Dry Density (t/m³) :	1.608	1.531	1.555	1.505
Variation from OMC :	1% dry of omc	0.5% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.588	1.520	1.550	1.484
OMC (%) :	21.3	24.9	23.7	26.6
Density Ratio (%) :	**101.5**	**100.5**	**100.5**	**101.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 18 of 38**	

Sample Number :	14-3224	14-3225	14-3226	14-3227
Test Number :	69	70	71	72
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	2/09/2014	2/09/2014	2/09/2014	5/09/2014
Date Tested :	2/09/2014	2/09/2014	2/09/2014	5/09/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5627.99 Northing 4357.43 RL 34.99	Sample ID Easting 5574.10 Northing 4349.64 RL 34.83	Sample ID Easting 5488.76 Northing 4360.26 RL 34.83	Sample ID Easting 6210.58 Northing 4339.54 RL 38.26
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	24.4	24.9	24.3	19.6
MDR Number :	14-3224	14-3225	14-3226	14-3227
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	3/09/2014	3/09/2014	3/09/2014	8/09/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	94.5	96.0	94.5	94.5
Field Dry Density (t/m³) :	1.510	1.496	1.528	1.671
Variation from OMC :	1.5% dry of omc	1% dry of omc	1.5% dry of omc	1% dry of omc
MDD (t/m³) :	1.502	1.494	1.518	1.640
OMC (%) :	25.8	25.9	25.7	20.7
Density Ratio (%) :	**100.5**	**100.0**	**100.5**	**102.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

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Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 19 of 38**	

Sample Number :	14-3228	14-3229	14-3230	14-3231
Test Number :	73	74	75	76
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	5/09/2014	5/09/2014	5/09/2014	8/09/2014
Date Tested :	5/09/2014	5/09/2014	5/09/2014	8/09/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6220.12 Northing 4340.21 RL 38.25	Sample ID Easting 6224.54 Northing 4339.72 RL 38.76	Sample ID Easting 6229.16 Northing 4337.15 RL 38.48	Sample ID Easting 6194.81 Northing 4362.29 RL 37.72
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	22.9	21.6	22.1	24.7
MDR Number :	14-3228	14-3229	14-3230	14-3231
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	8/09/2014	8/09/2014	8/09/2014	9/09/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	97.5	94.5	97.0	97.5
Field Dry Density (t/m³) :	1.606	1.613	1.577	1.545
Variation from OMC :	0.5% dry of omc	1.5% dry of omc	0.5% dry of omc	0.5% dry of omc
MDD (t/m³) :	1.597	1.610	1.566	1.519
OMC (%) :	23.5	22.9	22.8	25.3
Density Ratio (%) :	**100.5**	**100.0**	**100.5**	**101.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

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Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 20 of 38**	

Sample Number :	14-3232	14-3233	14-3234	14-3235
Test Number :	77	78	79	80
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	8/09/2014	8/09/2014	8/09/2014	16/09/2014
Date Tested :	8/09/2014	8/09/2014	8/09/2014	16/09/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6171.55 Northing 4371.61 RL 37.33	Sample ID Easting 6266.72 Northing 4335.49 RL 39.27	Sample ID Easting 6205.11 Northing 4350.63 RL 39.27	Sample ID Easting 5723.04 Northing 4354.79 RL 35.75
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	22.7	20.8	24.4	26.2
MDR Number :	14-3232	14-3233	14-3234	14-3235
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	9/09/2014	9/09/2014	9/09/2014	17/09/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	98.5	95.0	94.0	98.0
Field Dry Density (t/m³) :	1.576	1.615	1.529	1.506
Variation from OMC :	0.5% dry of omc	1% dry of omc	1.5% dry of omc	0.5% dry of omc
MDD (t/m³) :	1.568	1.606	1.504	1.482
OMC (%) :	23.1	21.9	25.9	26.7
Density Ratio (%) :	**100.5**	**100.5**	**101.5**	**101.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 21 of 38**	

Sample Number :	14-3236	14-3237	14-3238	14-3239
Test Number :	81	82	83	84
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	16/09/2014	16/09/2014	16/09/2014	19/09/2014
Date Tested :	16/09/2014	16/09/2014	16/09/2014	19/09/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5776.25 Northing 4360.18 RL 36.01	Sample ID Easting 5776.05 Northing 4386.01 RL 36.40	Sample ID Easting 5811.29 Northing 4393.37 RL 36.68	Sample ID Easting 5804.61 Northing 4429.04 RL 37.01
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	25.4	22.5	25.0	23.5
MDR Number :	14-3236	14-3237	14-3238	14-3239
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	17/09/2014	17/09/2014	17/09/2014	22/09/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.5	97.0	98.5	97.0
Field Dry Density (t/m³) :	1.502	1.577	1.520	1.540
Variation from OMC :	1% dry of omc	0.5% dry of omc	0.5% dry of omc	0.5% dry of omc
MDD (t/m³) :	1.485	1.566	1.516	1.520
OMC (%) :	26.3	23.2	25.4	24.2
Density Ratio (%) :	**101.0**	**100.5**	**100.5**	**101.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 22 of 38**	

Sample Number :	14-3240	14-3241	14-3242	14-3243
Test Number :	85	86	87	88
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	19/09/2014	19/09/2014	19/09/2014	24/09/2014
Date Tested :	19/09/2014	19/09/2014	19/09/2014	24/09/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5773.71 Northing 4430.34 RL 36.84	Sample ID Easting 5730.14 Northing 4433.05 RL 36.53	Sample ID Easting 5702.82 Northing 4385.55 RL 37.45	Sample ID Easting 5870.08 Northing 4398.35 RL 36.99
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	21.6	24.4	23.4	23.3
MDR Number :	14-3240	14-3241	14-3242	14-3243
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	22/09/2014	22/09/2014	22/09/2014	25/09/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	94.0	95.0	95.5	95.0
Field Dry Density (t/m³) :	1.553	1.527	1.547	1.543
Variation from OMC :	1.5% dry of omc	1.5% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.553	1.499	1.537	1.523
OMC (%) :	23.0	25.7	24.5	24.5
Density Ratio (%) :	**100.0**	**102.0**	**100.5**	**101.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 23 of 38**	

Sample Number :	14-3244	14-3245	14-3246	14-3247
Test Number :	89	90	91	92
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	24/09/2014	24/09/2014	24/09/2014	24/09/2014
Date Tested :	24/09/2014	24/09/2014	24/09/2014	24/09/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5882.62 Northing 4382.96 RL 36.53	Sample ID Easting 5923.21 Northing 4391.04 RL 37.13	Sample ID Easting 5943.62 Northing 4407.34 RL 37.66	Sample ID Easting 5971.69 Northing 4410.19 RL 38.11
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	22.6	24.6	25.8	22.4
MDR Number :	14-3244	14-3245	14-3246	14-3247
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	25/09/2014	25/09/2014	25/09/2014	25/09/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	95.5	95.0	96.5	93.5
Field Dry Density (t/m³) :	1.568	1.518	1.501	1.543
Variation from OMC :	1% dry of omc	1.5% dry of omc	1% dry of omc	1.5% dry of omc
MDD (t/m³) :	1.553	1.491	1.480	1.539
OMC (%) :	23.7	25.9	26.8	23.9
Density Ratio (%) :	**101.0**	**102.0**	**101.5**	**100.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

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Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 24 of 38**	

Sample Number :	14-3248	14-3249	14-3250	14-3251
Test Number :	93	94	95	96
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	24/09/2014	29/09/2014	29/09/2014	29/09/2014
Date Tested :	24/09/2014	29/09/2014	29/09/2014	29/09/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6020.95 Northing 4402.81 RL 38.64	Sample ID Easting 5717.23 Northing 4361.66 RL 35.79	Sample ID Easting 5690.59 Northing 4392.82 RL 35.54	Sample ID Easting 5695.63 Northing 4392.82 RL 36.63
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	22.4	24.8	22.7	22.0
MDR Number :	14-3248	14-3249	14-3250	14-3251
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	25/09/2014	30/09/2014	30/09/2014	30/09/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	94.0	97.5	96.0	95.5
Field Dry Density (t/m³) :	1.544	1.506	1.566	1.584
Variation from OMC :	1.5% dry of omc	0.5% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.539	1.500	1.562	1.582
OMC (%) :	23.8	25.5	23.7	23.0
Density Ratio (%) :	**100.5**	**100.5**	**100.5**	**100.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

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Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 25 of 38**	

Sample Number :	14-3252	14-3253	14-3254	14-3255
Test Number :	97	98	99	100
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	29/09/2014	29/09/2014	29/09/2014	29/09/2014
Date Tested :	29/09/2014	29/09/2014	29/09/2014	29/09/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5716.00 Northing 4412.76 RL 36.38	Sample ID Easting 5871.87 Northing 4397.29 RL 37.20	Sample ID Easting 5888.88 Northing 4375.08 RL 37.16	Sample ID Easting 5924.94 Northing 4394.41 RL 37.59
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	21.8	20.0	19.9	19.0
MDR Number :	14-3252	14-3253	14-3254	14-3255
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	30/09/2014	30/09/2014	30/09/2014	30/09/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	95.5	94.5	95.5	84.0
Field Dry Density (t/m³) :	1.602	1.646	1.653	1.592
Variation from OMC :	1% dry of omc	1% dry of omc	1% dry of omc	3.5% dry of omc
MDD (t/m³) :	1.599	1.626	1.631	1.580
OMC (%) :	22.8	21.2	20.8	22.6
Density Ratio (%) :	**100.0**	**101.0**	**101.5**	**101.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 26 of 38**	

Sample Number :	14-3256	14-3257	14-3258	14-3259
Test Number :	101	102	103	104
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	29/09/2014	1/10/2014	1/10/2014	1/10/2014
Date Tested :	29/09/2014	1/10/2014	1/10/2014	1/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5956.16 Northing 4407.11 RL 38.35	Sample ID Easting 6008.60 Northing 4404.53 RL 38.43	Sample ID Easting 5994.94 Northing 4386.00 RL 38.41	Sample ID Easting 6077.73 Northing 4393.90 RL 38.04
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	23.7	23.5	24.7	19.7
MDR Number :	14-3256	14-3257	14-3258	14-3259
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	30/09/2014	2/10/2014	2/10/2014	2/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	94.0	95.0	97.5	96.0
Field Dry Density (t/m³) :	1.535	1.541	1.532	1.651
Variation from OMC :	1.5% dry of omc	1% dry of omc	0.5% dry of omc	1% dry of omc
MDD (t/m³) :	1.516	1.527	1.522	1.641
OMC (%) :	25.2	24.7	25.3	20.5
Density Ratio (%) :	**101.0**	**101.0**	**100.5**	**100.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 27 of 38**	

Sample Number :	14-3260	14-3261	14-3262	14-3263
Test Number :	105	106	107	108
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	1/10/2014	1/10/2014	1/10/2014	1/10/2014
Date Tested :	1/10/2014	1/10/2014	1/10/2014	1/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6116.44 Northing 4395.96 RL 37.97	Sample ID Easting 6145.41 Northing 4393.81 RL 38.26	Sample ID Easting 6140.72 Northing 4380.53 RL 38.46	Sample ID Easting 6167.88 Northing 4373.38 RL 38.67
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	20.7	22.8	20.3	20.6
MDR Number :	14-3260	14-3261	14-3262	14-3263
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	2/10/2014	2/10/2014	2/10/2014	2/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	95.5	97.0	96.5	99.0
Field Dry Density (t/m³) :	1.612	1.573	1.620	1.627
Variation from OMC :	1% dry of omc	0.5% dry of omc	0.5% dry of omc	0% dry of omc
MDD (t/m³) :	1.604	1.567	1.598	1.598
OMC (%) :	21.7	23.5	21.0	20.8
Density Ratio (%) :	**100.5**	**100.5**	**101.5**	**102.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 28 of 38**	

Sample Number :	14-3264	14-3265	14-3266	14-3267
Test Number :	109	110	111	112
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	1/10/2014	3/10/2014	3/10/2014	3/10/2014
Date Tested :	1/10/2014	3/10/2014	3/10/2014	3/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6169.07 Northing 4364.95 RL 38.74	Sample ID Easting 6228.40 Northing 4345.77 RL 38.81	Sample ID Easting 6196.56 Northing 4356.86 RL 38.99	Sample ID Easting 6163.41 Northing 4380.24 RL 39.05
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	24.1	20.7	24.7	21.9
MDR Number :	14-3264	14-3265	14-3266	14-3267
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	2/10/2014	6/10/2014	6/10/2014	6/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	95.5	96.5	97.5	94.0
Field Dry Density (t/m³) :	1.533	1.593	1.535	1.550
Variation from OMC :	1% dry of omc	1% dry of omc	0.5% dry of omc	1.5% dry of omc
MDD (t/m³) :	1.511	1.584	1.511	1.525
OMC (%) :	25.3	21.5	25.3	23.3
Density Ratio (%) :	**101.5**	**100.5**	**101.5**	**101.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 29 of 38**	

Sample Number :	14-3268	14-3269	14-3270	14-3271
Test Number :	113	114	115	116
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	3/10/2014	8/10/2014	8/10/2014	8/10/2014
Date Tested :	3/10/2014	8/10/2014	8/10/2014	8/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6114.96 Northing 4385.16 RL 38.62	Sample ID Easting 6089.82 Northing 4399.39 RL 38.39	Sample ID Easting 6086.92 Northing 4408.48 RL 38.92	Sample ID Easting 6041.98 Northing 4384.05 RL 38.84
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	20.3	24.4	21.6	25.7
MDR Number :	14-3268	14-3269	14-3270	14-3271
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	6/10/2014	9/10/2014	9/10/2014	9/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.0	95.5	94.5	96.0
Field Dry Density (t/m³) :	1.653	1.527	1.606	1.505
Variation from OMC :	1% dry of omc	1% dry of omc	1.5% dry of omc	1% dry of omc
MDD (t/m³) :	1.636	1.502	1.592	1.480
OMC (%) :	21.1	25.5	22.9	26.8
Density Ratio (%) :	**101.0**	**101.5**	**101.0**	**101.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 30 of 38**	

Sample Number :	14-3272	14-3273	14-3274	14-3275
Test Number :	117	118	119	120
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	8/10/2014	10/10/2014	10/10/2014	10/10/2014
Date Tested :	8/10/2014	10/10/2014	10/10/2014	10/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 5995.74 Northing 4374.02 RL 38.58	Sample ID Easting 6117.98 Northing 4435.59 RL 39.72	Sample ID Easting 6080.88 Northing 4424.72 RL 39.37	Sample ID Easting 6079.38 Northing 4406.22 RL 39.31
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	24.8	22.6	22.0	22.9
MDR Number :	14-3272	14-3273	14-3274	14-3275
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	9/10/2014	13/10/2014	13/10/2014	13/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	94.5	96.0	96.0	95.5
Field Dry Density (t/m³) :	1.501	1.549	1.585	1.579
Variation from OMC :	1.5% dry of omc	1% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.496	1.548	1.569	1.573
OMC (%) :	26.2	23.5	22.9	24.0
Density Ratio (%) :	**100.5**	**100.0**	**101.0**	**100.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

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Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 31 of 38**	

Sample Number :	14-3276	14-3277	14-3278	14-3279
Test Number :	121	122	123	124
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	10/10/2014	10/10/2014	10/10/2014	10/10/2014
Date Tested :	10/10/2014	10/10/2014	10/10/2014	10/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6074.94 Northing 4388.75 RL 39.18	Sample ID Easting 6094.96 Northing 4381.32 RL 39.25	Sample ID Easting 6110.30 Northing 4392.56 RL 39.33	Sample ID Easting 6127.71 Northing 4401.14 RL 39.44
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	23.0	23.8	21.2	21.6
MDR Number :	14-3276	14-3277	14-3278	14-3279
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	13/10/2014	13/10/2014	13/10/2014	13/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.0	94.5	94.0	94.0
Field Dry Density (t/m³) :	1.528	1.528	1.613	1.586
Variation from OMC :	1% dry of omc	1.5% dry of omc	1.5% dry of omc	1.5% dry of omc
MDD (t/m³) :	1.510	1.521	1.602	1.570
OMC (%) :	24.0	25.2	22.5	23.0
Density Ratio (%) :	**101.0**	**100.5**	**100.5**	**101.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 32 of 38**	

Sample Number :	14-3280	14-3281	14-3282	14-3283
Test Number :	125	126	127	128
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	10/10/2014	13/10/2014	13/10/2014	13/10/2014
Date Tested :	10/10/2014	13/10/2014	13/10/2014	13/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6131.62 Northing 4374.61 RL 39.15	Sample ID Easting 6165.16 Northing 4354.20 RL 39.44	Sample ID Easting 6167.01 Northing 4368.29 RL 39.54	Sample ID Easting 6184.84 Northing 4369.93 RL 39.66
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	22.8	25.4	24.2	23.9
MDR Number :	14-3280	14-3281	14-3282	14-3283
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	13/10/2014	14/10/2014	14/10/2014	14/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	97.5	97.5	95.5	96.5
Field Dry Density (t/m³) :	1.572	1.514	1.521	1.533
Variation from OMC :	0.5% dry of omc	0.5% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.557	1.493	1.516	1.533
OMC (%) :	23.4	26.0	25.3	24.8
Density Ratio (%) :	**101.0**	**101.5**	**100.5**	**100.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

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Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 33 of 38**	

Sample Number :	14-3284	14-3285	14-3286	14-3287
Test Number :	129	130	131	132
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	13/10/2014	13/10/2014	13/10/2014	15/10/2014
Date Tested :	13/10/2014	13/10/2014	13/10/2014	15/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6206.09 Northing 4347.01 RL 39.63	Sample ID Easting 6245.27 Northing 4343.01 RL 40.00	Sample ID Easting 6252.31 Northing 4370.97 RL 40.36	Sample ID Easting 6327.84 Northing 4277.56 RL 38.66
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	23.4	23.5	24.9	21.5
MDR Number :	14-3284	14-3285	14-3286	14-3287
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	14/10/2014	14/10/2014	14/10/2014	16/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	95.5	98.5	94.5	97.0
Field Dry Density (t/m³) :	1.549	1.605	1.528	1.630
Variation from OMC :	1% dry of omc	0.5% dry of omc	1.5% dry of omc	0.5% dry of omc
MDD (t/m³) :	1.542	1.585	1.507	1.613
OMC (%) :	24.5	23.9	26.3	22.2
Density Ratio (%) :	**100.5**	**101.5**	**101.5**	**101.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 34 of 38**	

Sample Number :	14-3288	14-3289	14-3290	14-3291
Test Number :	133	134	135	136
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	15/10/2014	15/10/2014	15/10/2014	20/10/2014
Date Tested :	15/10/2014	15/10/2014	15/10/2014	20/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6345.50 Northing 4275.51 RL 38.97	Sample ID Easting 6362.79 Northing 4267.91 RL 39.09	Sample ID Easting 6380.85 Northing 4283.88 RL 39.31	Sample ID Easting 6194.21 Northing 4326.22 RL 39.67
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	22.0	21.5	24.6	25.0
MDR Number :	14-3288	14-3289	14-3290	14-3291
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	16/10/2014	16/10/2014	16/10/2014	21/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	96.0	94.5	95.5	96.0
Field Dry Density (t/m³) :	1.620	1.640	1.525	1.503
Variation from OMC :	1% dry of omc	1.5% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.604	1.616	1.497	1.490
OMC (%) :	22.9	22.8	25.7	26.1
Density Ratio (%) :	**101.0**	**101.5**	**102.0**	**101.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 35 of 38**	

Sample Number :	14-3292	14-3293	14-3294	14-3295
Test Number :	137	138	139	140
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	20/10/2014	20/10/2014	20/10/2014	20/10/2014
Date Tested :	20/10/2014	20/10/2014	20/10/2014	20/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6217.38 Northing 4346.48 RL 39.82	Sample ID Easting 6169.13 Northing 4375.15 RL 39.56	Sample ID Easting 6149.57 Northing 4349.78 RL 39.58	Sample ID Easting 6147.55 Northing 4374.94 RL 39.57
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	22.5	21.9	22.5	20.8
MDR Number :	14-3292	14-3293	14-3294	14-3295
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	21/10/2014	21/10/2014	21/10/2014	21/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	95.5	96.0	95.0	94.5
Field Dry Density (t/m³) :	1.570	1.587	1.596	1.622
Variation from OMC :	1% dry of omc	1% dry of omc	1% dry of omc	1% dry of omc
MDD (t/m³) :	1.562	1.575	1.569	1.599
OMC (%) :	23.5	22.8	23.7	22.0
Density Ratio (%) :	**100.5**	**101.0**	**101.5**	**101.5**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 36 of 38**	

Sample Number :	14-3296	14-3297	14-3298	14-3299
Test Number :	141	142	143	144
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	20/10/2014	20/10/2014	20/10/2014	23/10/2014
Date Tested :	20/10/2014	20/10/2014	20/10/2014	23/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6132.18 Northing 4391.46 RL 39.58	Sample ID Easting 6109.15 Northing 4397.75 RL 39.43	Sample ID Easting 6087.86 Northing 4402.61 RL 39.25	Sample ID Easting 6329.71 Northing 4274.81 RL 38.65
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	19.4	19.8	24.0	21.4
MDR Number :	14-3296	14-3297	14-3298	14-3299
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	21/10/2014	21/10/2014	21/10/2014	24/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	93.5	96.5	100.5	97.0
Field Dry Density (t/m³) :	1.657	1.647	1.531	1.638
Variation from OMC :	1.5% dry of omc	0.5% dry of omc	0% wet of omc	0.5% dry of omc
MDD (t/m³) :	1.641	1.643	1.526	1.623
OMC (%) :	20.7	20.5	23.9	22.1
Density Ratio (%) :	**101.0**	**100.0**	**100.5**	**101.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

Client :	**Farm Developments**	Report Number:	**TT460 - 1**
Address :	**PO Box 1120, Mudgeeraba, QLD, 4213**	Report Date :	**21/11/2014**
Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 37 of 38**	

Sample Number :	14-3300	14-3301	14-3302	14-3303
Test Number :	145	146	147	148
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1	AS 1289 1.2.1
Date Sampled :	23/10/2014	23/10/2014	23/10/2014	27/10/2014
Date Tested :	23/10/2014	23/10/2014	23/10/2014	27/10/2014
Material Type :	General Fill	General Fill	General Fill	General Fill
Material Source :	On Site	On Site	On Site	On Site
Lot Number :				
Sample Location :	Sample ID Easting 6346.92 Northing 4277.38 RL 38.98	Sample ID Easting 6361.84 Northing 4269.35 RL 39.00	Sample ID Easting 6378.81 Northing 4280.81 RL 39.30	Sample ID Easting 6149.32 Northing 4375.11 RL 39.59
Test Depth (mm) :	150	150	150	150
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0	19.0	19.0
Oversize Wet (%) :	0	0	0	0
Oversize Dry (%) :	0	0	0	0
Oversize Density (t/m³) :				
Field Moisture Content (%) :	22.5	25.0	21.9	24.6
MDR Number :	14-3300	14-3301	14-3302	14-3303
Assigned MDR (Y/N) :	No	No	No	No
MDR Method :	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested :	24/10/2014	24/10/2014	24/10/2014	28/10/2014
Compactive Effort :	Standard	Standard	Standard	Standard
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1	AS1289.5.8.1
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	95.5	96.0	94.0	96.0
Field Dry Density (t/m³) :	1.632	1.512	1.567	1.531
Variation from OMC :	1% dry of omc	1% dry of omc	1.5% dry of omc	1% dry of omc
MDD (t/m³) :	1.605	1.486	1.554	1.503
OMC (%) :	23.6	26.1	23.3	25.6
Density Ratio (%) :	**101.5**	**102.0**	**101.0**	**102.0**
Minimum Specification :	98	98	98	98
Moisture Specification :	OMC+/-2%	OMC+/-2%	OMC+/-2%	OMC+/-2%
Site Selection :	Technician L1	Technician L1	Technician L1	Technician L1
Soil Description :				
Remarks :	-			

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Density Ratio Report

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Project Name :	**Edenvale Estate Woodhill**	Order Number :	
Project Number :	**TT460**	Test Method :	**AS1289.5.4.1**
Location:	**Brumby Drive , Woodhill Qld 4285**	**Page 38 of 38**	

Sample Number :	14-3304	14-3305		
Test Number :	149	150		
Sampling Method :	AS 1289 1.2.1	AS 1289 1.2.1		
Date Sampled :	27/10/2014	27/10/2014		
Date Tested :	27/10/2014	27/10/2014		
Material Type :	General Fill	General Fill		
Material Source :	On Site	On Site		
Lot Number :				
Sample Location :	Sample ID Easting 6130.25 Northing 4395.21 RL 39.57	Sample ID Easting 6111.50 Northing 4399.58 RL 39.44		
Test Depth (mm) :	150	150		
Layer Depth (mm) :				
Maximum Size (mm) :	19.0	19.0		
Oversize Wet (%) :	0	0		
Oversize Dry (%) :	0	0		
Oversize Density (t/m³) :				
Field Moisture Content (%) :	24.9	23.6		
MDR Number :	14-3304	14-3305		
Assigned MDR (Y/N) :	No	No		
MDR Method :	AS1289.5.1.1	AS1289.5.1.1		
MDR Date Tested :	28/10/2014	28/10/2014		
Compactive Effort :	Standard	Standard		
Field Density Method :	AS1289.5.8.1	AS1289.5.8.1		
Moisture Method :	AS1289.2.1.1	AS1289.2.1.1		
Moisture Ratio (%) :	97.5	95.0		
Field Dry Density (t/m³) :	1.545	1.578		
Variation from OMC :	0.5% dry of omc	1.5% dry of omc		
MDD (t/m³) :	1.525	1.577		
OMC (%) :	25.6	24.9		
Density Ratio (%) :	**101.5**	**100.0**		
Minimum Specification :	98	98		
Moisture Specification :	OMC+/-2%	OMC+/-2%		
Site Selection :	Technician L1	Technician L1		
Soil Description :				
Remarks :	-			

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