

## Dry Density Ratio Report

Client : <b>Roberts Bros.</b>	Report Number: <b>G17058 - 17/1</b>
Address: <b>123 Maple St Cooroy Qld 4563</b>	Report Date : <b>29/09/2017</b>
Job Number : <b>G17058</b>	Order Number:
Project : <b>Field &amp; Laboratory Testing</b>	Test Method: <b>AS1289.5.4.1</b>
Location : <b>Stage 2 , Chatsworth</b>	

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Lab No :	109911	109912	109913
ID No :	-	-	-
Lot No :	-	-	-
Item No :	-	-	-
Date Sampled :	<b>25/9/2017</b>	<b>25/9/2017</b>	<b>25/9/2017</b>
Date/Time Tested :	<b>25/9/2017 / 1.40</b>	<b>25/9/2017 / 1.50</b>	<b>25/9/2017 / 2.00</b>
Material Source :	<b>Site</b>	<b>Site</b>	<b>Site</b>
For Use As :	<b>Fill</b>	<b>Fill</b>	<b>Fill</b>
Sample Location :	Lot 56 E 0462562 N 7108437 Final Fill Lvl	Lot 56 E 0462549 N 7108437 Approx 0.5m < Final Lvl	Lot 56 E 0462532 N 7108429 Approx 1.0m < Final Lvl
Test/Layer Depth (mm)	<b>150 /</b>	<b>150 /</b>	<b>150 /</b>
Max Size (mm) :	<b>19.0</b>	<b>19.0</b>	<b>19.0</b>
Oversize Wet (%) :	<b>2</b>	<b>9</b>	<b>-</b>
Oversize Dry (%) :	<b>3</b>	<b>10</b>	<b>-</b>
Field Moisture (%) :	<b>11.2</b>	<b>10.1</b>	<b>11.2</b>
MDR No :	<b>109911</b>	<b>109912</b>	<b>109913</b>
Assigned MDR :	<b>No</b>	<b>No</b>	<b>No</b>
Field Dry Density (t/m <sup>3</sup> )	<b>1.79</b>	<b>1.89</b>	<b>1.79</b>
MDD (t/m <sup>3</sup> ) :	<b>1.87*</b>	<b>1.90*</b>	<b>1.88</b>
OMC (%) :	<b>13.0</b>	<b>13.0</b>	<b>14.0</b>
Variation from OMC	<b>1.5% dry of omc</b>	<b>3% dry of omc</b>	<b>3% dry of omc</b>
Field Density Method :	<b>AS1289.5.8.1</b>	<b>AS1289.5.8.1</b>	<b>AS1289.5.8.1</b>
MC Method :	<b>AS 1289.2.1.1</b>	<b>AS 1289.2.1.1</b>	<b>AS 1289.2.1.1</b>
Compactive Effort :	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
Moisture Ratio / Spec(%) :	<b>87.5 / -</b>	<b>77 / -</b>	<b>79.5 / -</b>
Dry Density Ratio (%) :	<b>96.0</b>	<b>100.0</b>	<b>95.0</b>
Min Dry Dens Ratio (%)	<b>95</b>	<b>95</b>	<b>95</b>

Remarks :

\* - Denotes corrected for oversize



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APPROVED SIGNATORY

Mel Burnett

NATA Accred No:1551

FORM NUMBER

**REP ANUC-1-3**

## Dry Density Ratio Report

Client : <b>Roberts Bros.</b>	Report Number: <b>G17058 - 16/1</b>
Address: <b>123 Maple St Cooroy Qld 4563</b>	Report Date : <b>29/09/2017</b>
Job Number : <b>G17058</b>	Order Number:
Project : <b>Field &amp; Laboratory Testing</b>	Test Method: <b>AS1289.5.4.1</b>
Location : <b>Stage 2 , Chatsworth</b>	

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Lab No :	109908	109909	109910
ID No :	-	-	-
Lot No :	-	-	-
Item No :	-	-	-
Date Sampled :	<b>25/9/2017</b>	<b>25/9/2017</b>	<b>25/9/2017</b>
Date/Time Tested :	<b>25/9/2017 / 1.10</b>	<b>25/9/2017 / 1.20</b>	<b>25/9/2017 / 1.30</b>
Material Source :	<b>Site</b>	<b>Site</b>	<b>Site</b>
For Use As :	<b>Fill</b>	<b>Fill</b>	<b>Fill</b>
Sample Location :	Lot 35 E 0462551 N 7108346 Approx 0.5m < Final Lvl	Lot 35 E 0462558 N 7108346 Final Fill Lvl	Lot 36 E 0462590 N 7108366 Final Fill Lvl
Test/Layer Depth (mm)	<b>150 /</b>	<b>150 /</b>	<b>150 /</b>
Max Size (mm) :	<b>19.0</b>	<b>19.0</b>	<b>19.0</b>
Oversize Wet (%) :	<b>8</b>	<b>4</b>	<b>3</b>
Oversize Dry (%) :	<b>8</b>	<b>4</b>	<b>3</b>
Field Moisture (%) :	<b>10.9</b>	<b>11.9</b>	<b>13.6</b>
MDR No :	<b>109908</b>	<b>109909</b>	<b>109910</b>
Assigned MDR :	<b>No</b>	<b>No</b>	<b>No</b>
Field Dry Density (t/m <sup>3</sup> )	<b>1.83</b>	<b>1.79</b>	<b>1.71</b>
MDD (t/m <sup>3</sup> ) :	<b>1.86*</b>	<b>1.87*</b>	<b>1.79*</b>
OMC (%) :	<b>14.5</b>	<b>14.5</b>	<b>16.0</b>
Variation from OMC	<b>3.5% dry of omc</b>	<b>2.5% dry of omc</b>	<b>2.5% dry of omc</b>
Field Density Method :	<b>AS1289.5.8.1</b>	<b>AS1289.5.8.1</b>	<b>AS1289.5.8.1</b>
MC Method :	<b>AS 1289.2.1.1</b>	<b>AS 1289.2.1.1</b>	<b>AS 1289.2.1.1</b>
Compactive Effort :	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
Moisture Ratio / Spec(%) :	<b>74.5 / -</b>	<b>82.5 / -</b>	<b>84 / -</b>
Dry Density Ratio (%) :	<b>99.0</b>	<b>96.0</b>	<b>95.5</b>
Min Dry Dens Ratio (%)	<b>95</b>	<b>95</b>	<b>95</b>

Remarks :

\* - Denotes corrected for oversize



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