Geotech (S.C.) Pty Ltd ACN 074 982 979 ABN 39 074 982 979
Geotechnical Testing Authority

3 Bearing Ave
Warana Qld 4575
PO Box 2
Buddina Qld 4575
Telephone: (07) 5493 1733
Facsimile: (07) 5493 6019
Email: geotechs@ozemail.com.au

Dry Density Ratio Report

Client :	**Roberts Bros.**	Report Number:	**G17058 - 6/1**
Address:	**123 Maple St Cooroy Qld 4563**		
Job Number :	**G17058**	Report Date :	**7/08/2017**
Project :	**Field & Laboratory Testing**	Order Number:	
Location :	**Stage 2 , Chatsworth**	Test Method:	**AS1289.5.4.1**

Lab No :	**109320**	**109321**	**109322**	**109323**
ID No :	**-**	**-**	**-**	**-**
Lot No :	**-**	**-**	**-**	**-**
Item No :	**-**	**-**	**-**	**-**
Date Sampled :	**2/8/2017**	**2/8/2017**	**2/8/2017**	**2/8/2017**
Date/Time Tested :	**2/8/2017 / 1.10**	**2/8/2017 / 1.20**	**2/8/2017 / 1.30**	**2/8/2017 / 1.40**
Material Source :	**Site**	**Site**	**Site**	**Site**
For Use As :	**Fill**	**Fill**	**Fill**	**Fill**
Sample Location :	Lot 78 E 0462473 N 7108004 Approx 0.5m < Final Lvl	Lot 78 E 0462489 N 7108022 Final Fill Lvl	Lot 77 E 0462534 N 7108057 Approx 0.5m < Final Lvl	Lot 77 E 0462527 N 7108057 Final Fill Lvl
Test/Layer Depth (mm)	**150 /**	**150 /**	**150 /**	**150 /**
Max Size (mm) :	**19.0**	**19.0**	**19.0**	**19.0**
Oversize Wet (%) :	**-**	**2**	**-**	**-**
Oversize Dry (%) :	**-**	**2**	**-**	**-**
Field Moisture (%) :	**27.2**	**21.2**	**18.7**	**27.8**
MDR No :	**109320**	**109321**	**109322**	**109323**
Assigned MDR :	**No**	**No**	**No**	**No**
Field Dry Density (t/m³)	**1.494**	**1.564**	**1.643**	**1.502**
MDD (t/m³) :	**1.55**	**1.61***	**1.70**	**1.53**
OMC (%) :	**25.0**	**23.0**	**19.5**	**24.5**
Variation from OMC	**2% wet of omc**	**2% dry of omc**	**1% dry of omc**	**3.5% wet of omc**
Field Density Method :	**AS1289.5.8.1**	**AS1289.5.8.1**	**AS1289.5.8.1**	**AS1289.5.8.1**
MC Method :	**AS 1289.2.1.1**	**AS 1289.2.1.1**	**AS 1289.2.1.1**	**AS 1289.2.1.1**
Compactive Effort :	**Standard**	**Standard**	**Standard**	**Standard**
Moisture Ratio / Spec(%) :	**108 / -**	**92 / -**	**95 / -**	**113.5 / -**
Dry Density Ratio (%) :	**96.0**	**97.5**	**96.5**	**98.5**
Min Dry Dens Ratio (%)	**95**	**95**	**95**	**95**

Remarks :

*** - Denotes corrected for oversize**

NATA WORLD RECOGNISED ACCREDITATION	**Accredited for compliance with ISO/IEC 17025-Testing**	APPROVED SIGNATORY  Mel Burnett NATA Accred No:1551	FORM NUMBER **REP ANUC-1-3**