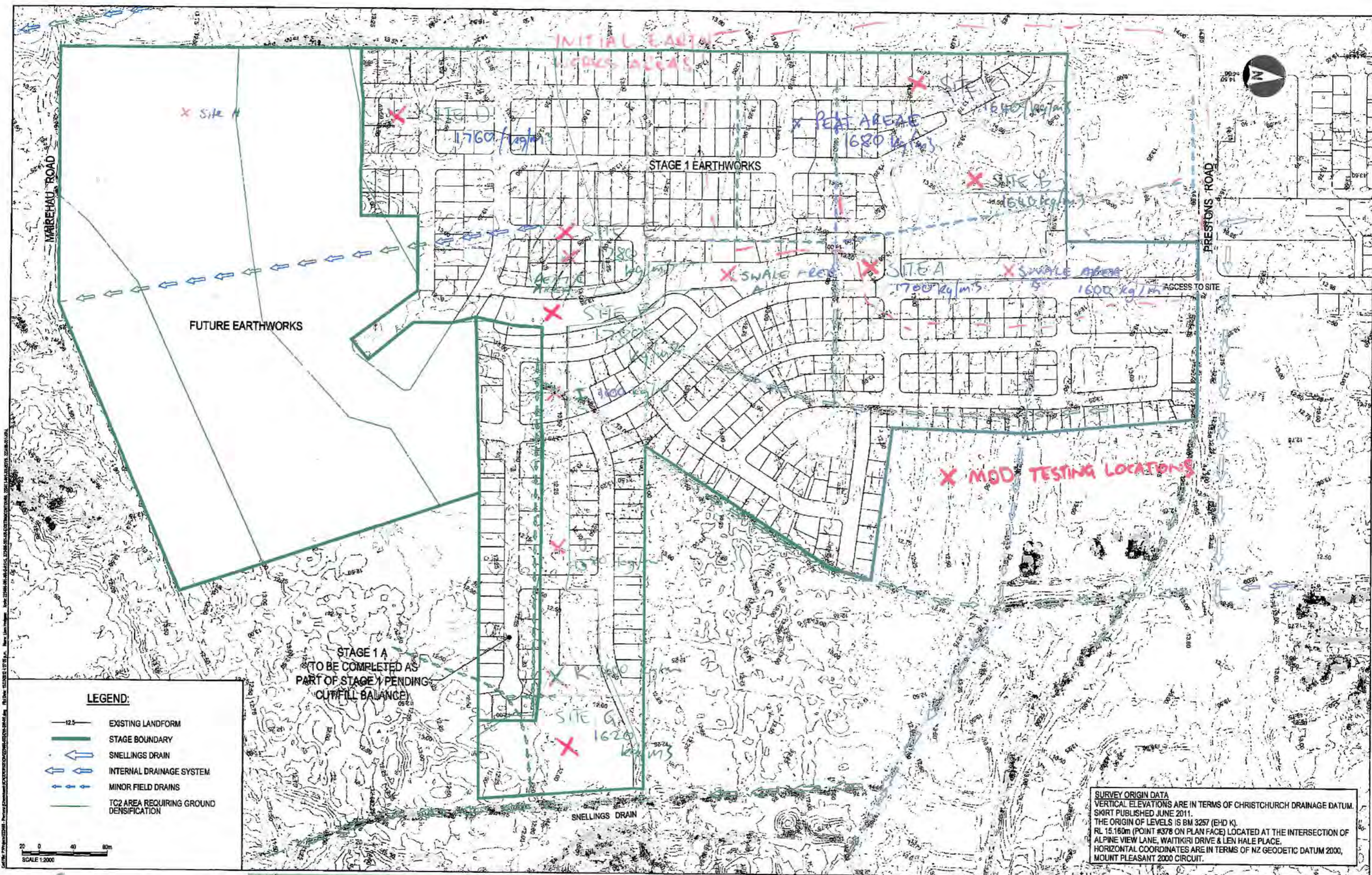




# Appendix G

## Compaction Curves

Master copy



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www.aurecongroup.com



REV	DATE	REVISION DETAILS
1	09/10/13	FOR CONSTRUCTION

APPROVED	DESIGNED	CHECKED
KASHBY	L'O'SULLIVAN	S HUSBAND
DATE 09/10/13		

**PRESTONS SOUTH**  
**EARTHWORKS STAGE 1**  
**EXISTING LANDFORM**

PROJECT No.	SCALE	DATE
235361	1:2000 @ A1	09/10/13

LD-PS-S1-EW-01 1

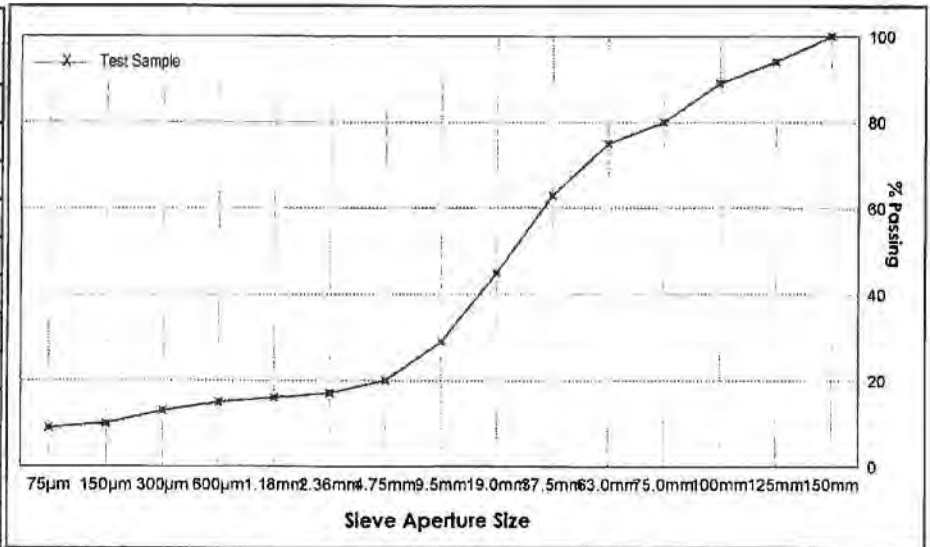
### Test Report

<b>Client:</b>	K.B. Contracting & Quarries Limited	<b>Sample Date:</b>	11-Oct-2013	11:00
<b>Address:</b>	PO Box 19746, Woolston, Christchurch 8241	<b>Sampled By:</b>	Declan McGowan	
<b>Client Ref:</b>	Not Advised	<b>Laboratory No:</b>	C13/2221	
<b>Job Location:</b>	New Quarry	<b>Report No:</b>	158619	<b>Replacement</b>
<b>Material:</b>	Pit run	<b>Report Date:</b>	18-Oct-2013	Page 1 of 1
<b>Material Source:</b>	KB's Quarries McLeans Island			

This report supersedes and replaces Report No: 158610

**Test Methods:** 1 The Particle-Size Distribution - Preferred Method by Wet Sieving NZS 4407:1991 Test 3.8.1

Sieve Size (BSS)	Percent passing	Specification
125mm	94	
100mm	89	
75.0mm	80	
63.0mm	75	
37.5mm	63	
19.0mm	45	
9.5mm	29	
4.75mm	20	
2.36mm	17	
1.18mm	16	
600µm	15	
300µm	13	
150µm	10	
75µm	9	



Test Date:

14/10/2013

#### Notes

Test results apply to sample as received.  
 Percent passing finest sieve obtained by difference.  
 Sample received in a damp condition.  
 Date of sample receipt: 11-Oct-13

**Craig Kelly**  
 Approved Signatory  
 Laboratory Technician  
 IANZ Accreditation No: 439  
 Date of Issue: 10/04/92



All tests reported herein have been performed in accordance with the laboratory's scope of accreditation. This report may not be reproduced except in full.

Report No: MDD:CAN14S-12828


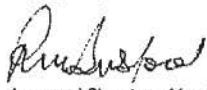
Issue No: 1

# Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.

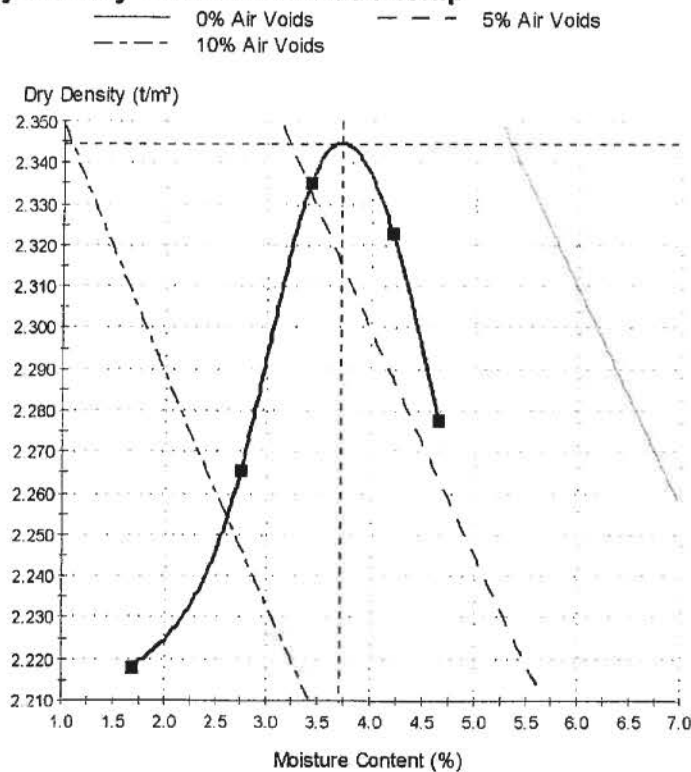



Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 25/06/14

## Sample Details

<b>Sample ID:</b> CAN14S-12828	<b>Client Sample ID:</b> Lab Ref 1381/14
<b>Material:</b> Pit Run	<b>Sample Source:</b> Field Sample [Taken From Site]
<b>Site/Sampled From:</b> KB's McLeans Island Quarry	<b>Date Sampled:</b> 20/06/2014
<b>Specification:</b> No Specification (Coarse)	<b>Sampled By:</b> Advised - See Comments
<b>Sampling Method:</b> Stated to be NZS 4407:1991 2.4.6.2.1	<b>Date Tested:</b> 25/06/2014
<b>Technician:</b> Greg Orr	<b>Sampling Endorsed?:</b> No

## Dry Density - Moisture Relationship



## Test Results

————— NZS 4402:1986 Test 4.1.3 - 1986 —————

**Maximum Dry Density (t/m³):** 2.34

**Optimum Moisture Content (%):** 3.8

**Solid Density (t/m³):** 2.68 assumed

**Fraction Tested Passes (mm):** 37.5

**Material Removed (%):** 12

**Sample History:** Natural

## Comments

Sampled by C Gould

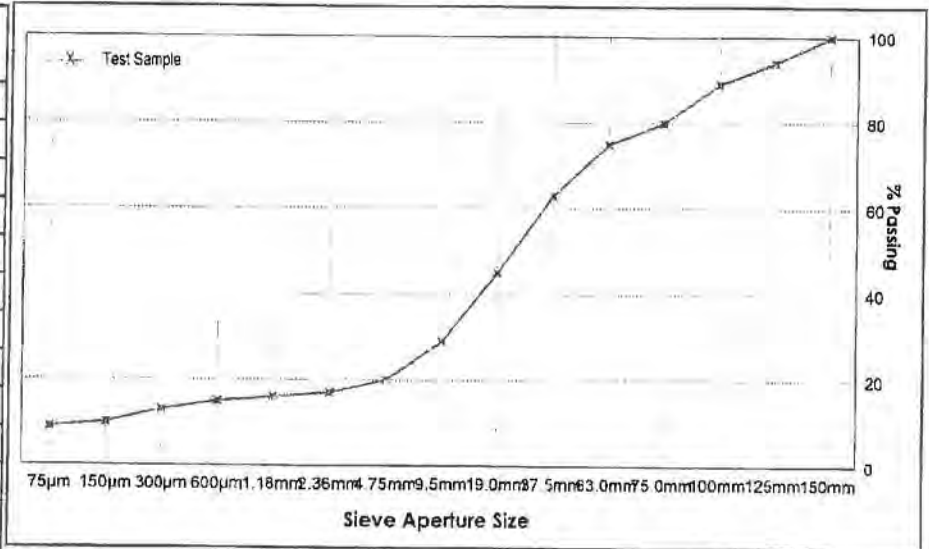
### Test Report

<b>Client:</b>	K.B. Contracting & Quarries Limited	<b>Sample Date:</b>	11-Oct-2013	11.00
<b>Address:</b>	PO Box 19746, Woolston, Christchurch 8241	<b>Sampled By:</b>	Declan McGowan	
<b>Client Ref:</b>	Not Advised	<b>Laboratory No.:</b>	C13/2221	
<b>Job Location:</b>	New Quarry	<b>Report No.:</b>	158619	<b>Replacement</b>
<b>Material:</b>	Pit run	<b>Report Date:</b>	18-Oct-2013	Page 1 of 1
<b>Material Source:</b>	KB's Quarries McLeans Island			

This report supersedes and replaces Report No: 158610

**Test Methods:** 1 The Particle-Size Distribution - Preferred Method by Wet Sieving NZS 4407.1991 Test 3.8.1

Sieve Size (BSS)	Percent passing	Specification
125mm	94	
100mm	89	
75.0mm	80	
63.0mm	75	
37.5mm	63	
19.0mm	45	
9.5mm	29	
4.75mm	20	
2.36mm	17	
1.18mm	16	
600µm	15	
300µm	13	
150µm	10	
75µm	9	



Test Date:

14/10/2013

**Notes**

- Test results apply to sample as received.
- Percent passing finest sieve obtained by difference.
- Sample received in a damp condition.
- Date of sample receipt: 11-Oct-13

Craig Kelly  
 Approved Signatory  
 Laboratory Technician  
 IANZ Accreditation No: 439  
 Date of Issue: 10/04/92



All tests reported herein have been performed in accordance with the laboratory's scope of accreditation. This report may not be reproduced except in full.



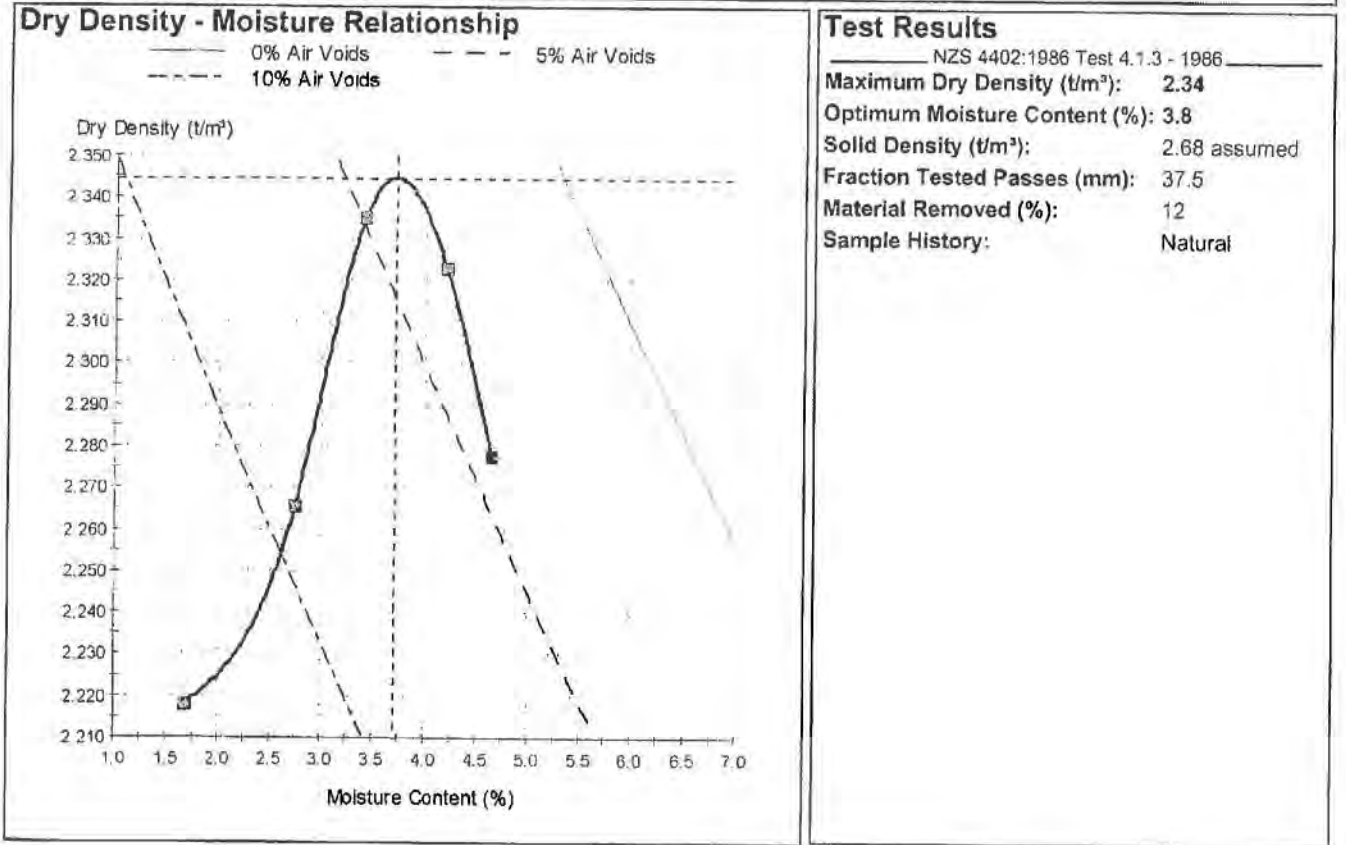
Report No: MDD:CAN14S-12828

Issue No: 1

## Maximum Dry Density Report

<p><b>Client:</b> Toni O'Regan City Care Limited PO Box 7669 Sydenham  Christchurch 8240</p> <p><b>Project:</b> QA Testing - City Care Ltd</p>	<p>The test(s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.</p> <p><b>IANZ</b> ACCREDITED LABORATORY</p> <p><i>Max Burford</i> Approved Signatory: Max Burford (Supervisor) IANZ Accreditation No: 200 Date of Issue: 25/06/14</p>
--	--

<b>Sample Details</b>	
<b>Sample ID:</b> CAN14S-12828	<b>Client Sample ID:</b> Lab Ref 1381/14
<b>Material:</b> Pit Run	<b>Sample Source:</b> Field Sample [Taken From Site]
<b>Site/Sampled From:</b> KB's McLeans Island Quarry	<b>Date Sampled:</b> 20/06/2014
<b>Specification:</b> No Specification (Coarse)	<b>Sampled By:</b> Advised - See Comments
<b>Sampling Method:</b> Stated to be NZS 4407:1991 2.4.6.2.1	<b>Date Tested:</b> 25/06/2014
<b>Technician:</b> Greg Orr	<b>Sampling Endorsed?:</b> No



**Comments**  
 Sampled by C Gould



Report No: MDD:CAN14S-11472

Issue No: 1

# Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.



*Max Burford*

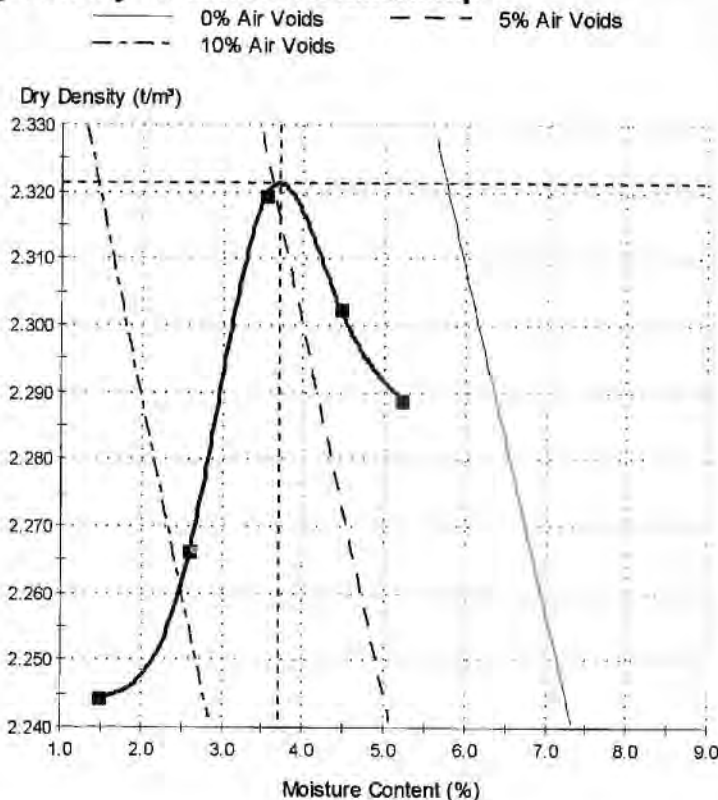
Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 03/06/14

## Sample Details

**Sample ID:** CAN14S-11472  
**Material:** Pit Run  
**Site/Sampled From:** KB Quarry Scalped over 53mm  
**Specification:** No Specification  
**Sampling Method:** Stated to be NZS 4407:1991 2.4.6.2.2  
**Technician:** Greg Orr

**Client Sample ID:** 953081  
**Sample Source:** Miscellaneous Material Source  
**Date Sampled:** 29/05/2014  
**Sampled By:** Advised - See Comments  
**Date Tested:** 03/06/2014  
**Sampling Endorsed?:** No

## Dry Density - Moisture Relationship



## Test Results

————— NZS 4402:1986 Test 4.1.3 - 1986 —————  
**Maximum Dry Density (t/m³):** 2.32  
**Optimum Moisture Content (%):** 3.6  
**Solid Density (t/m³):** 2.68 assumed  
**Fraction Tested Passes (mm):** 37.5  
**Material Removed (%):** 14  
**Sample History:** Natural

## Comments

Sampled by Toni O'Regan

# PIT RUN - McLEANS ISLAND



Canterbury Laboratory

325 Pound Rd, Yaldhurst, Christchurch  
 PO Box 16-064, Christchurch 8441  
 Telephone: +64 3 349 9142  
 Facsimile: +64 3 349 9143  
 www.fultonhogan.com  
 0800 LABORATORY

Report No: MDD:CAN14S-12828

Issue No: 1

## Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.



*Max Burford*

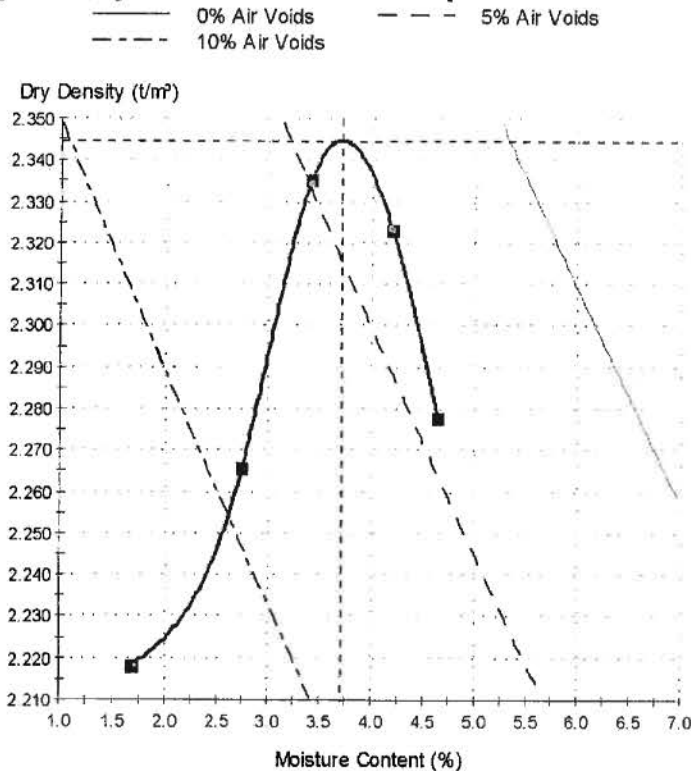
Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No: 200  
 Date of Issue: 25/06/14

### Sample Details

**Sample ID:** CAN14S-12828  
**Material:** Pit Run  
**Site/Sampled From:** KB's McLeans Island Quarry  
**Specification:** No Specification (Coarse)  
**Sampling Method:** Stated to be NZS 4407:1991 2.4.6.2.1  
**Technician:** Greg Orr

**Client Sample ID:** Lab Ref 1381/14  
**Sample Source:** Field Sample [Taken From Site]  
**Date Sampled:** 20/06/2014  
**Sampled By:** Advised - See Comments  
**Date Tested:** 25/06/2014  
**Sampling Endorsed?:** No

### Dry Density - Moisture Relationship



### Test Results

————— NZS 4402:1986 Test 4.1.3 - 1986 —————  
**Maximum Dry Density (t/m³):** 2.34  
**Optimum Moisture Content (%):** 3.8  
**Solid Density (t/m³):** 2.68 assumed  
**Fraction Tested Passes (mm):** 37.5  
**Material Removed (%):** 12  
**Sample History:** Natural

### Comments

Sampled by C Gould



PIT RUN - MCLEANS ISLAND



CHRISTCHURCH LABORATORY

397 Mcleans Island Road, Harewood  
 P O Box 11-326, Sockburn, Christchurch 8443  
 Phone: (03) 359-0752, Fax (03) 359-1909

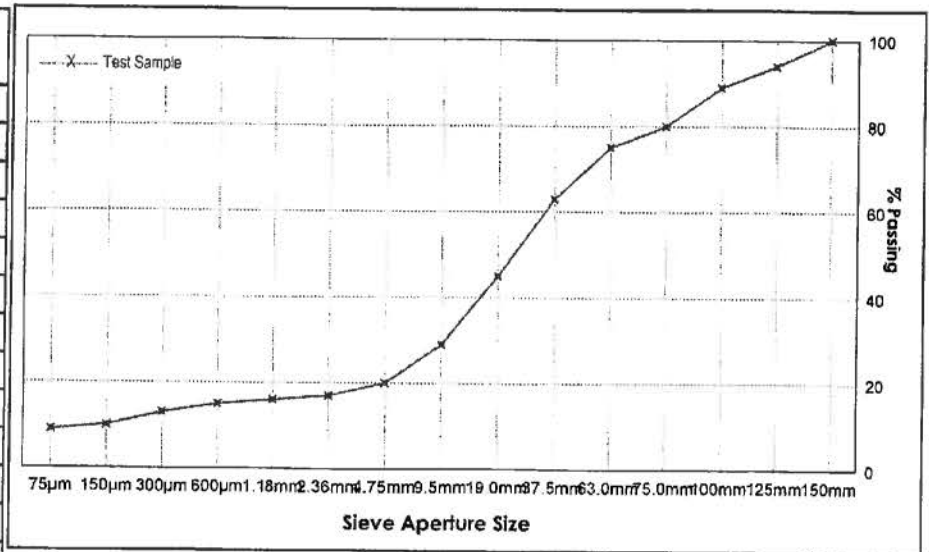
Test Report

<b>Client:</b>	K.B. Contracting & Quarries Limited	<b>Sample Date:</b>	11-Oct-2013	11:00
<b>Address:</b>	PO Box 19746, Woolston, Christchurch 8241	<b>Sampled By:</b>	Declan McGowan	
<b>Client Ref:</b>	Not Advised	<b>Laboratory No:</b>	C13/2221	
<b>Job Location:</b>	New Quarry	<b>Report No:</b>	158619	<b>Replacement</b>
<b>Material:</b>	Pit run	<b>Report Date:</b>	18-Oct-2013	Page 1 of 1
<b>Material Source:</b>	KB's Quarries McLeans Island			

This report supersedes and replaces Report No: 158610

**Test Methods:** 1 The Particle-Size Distribution - Preferred Method by Wet Sieving NZS 4407:1991 Test 3.8.1

Sieve Size (BSS)	Percent passing	Specification
125mm	94	
100mm	89	
75.0mm	80	
63.0mm	75	
37.5mm	63	
19.0mm	45	
9.5mm	29	
4.75mm	20	
2.36mm	17	
1.18mm	16	
600µm	15	
300µm	13	
150µm	10	
75µm	9	



Test Date: 14/10/2013

Notes

Test results apply to sample as received.  
 Percent passing finest sieve obtained by difference.  
 Sample received in a damp condition.  
 Date of sample receipt: 11-Oct-13

Craig Kelly  
 Approved Signatory  
 Laboratory Technician  
 IANZ Accreditation No: 439  
 Date of Issue: 10/04/92



All tests reported herein have been performed in accordance with the laboratory's scope of accreditation. This report may not be reproduced except in full.

Job	Prestons Subdivision								
Job No.	235361								
Title	Compaction estimation for Oversize Particles								
Derived using equation from Navfac p7.2-50									
<b>For Vibrating Compaction</b>									
Source material	Mcleans Island Gravel								
Fraction greater than 37.5mm	0.4				40 %				Grains size greater than 37.5mm
Laboratory MDD	2.34 t/m3								
Laboratory OMC	3.8 %								
First Calculation	0.98								
Second Calculation	0.41								
Adjusted MDD	2.39 t/m3								
Laboratory MDD % of Adjusted MDD	102.08								
98% of Adjusted MDD	2.34 t/m3								
95% of Adjusted MDD	2.27 t/m3				2.2932				96

## Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.



*Max Burford*

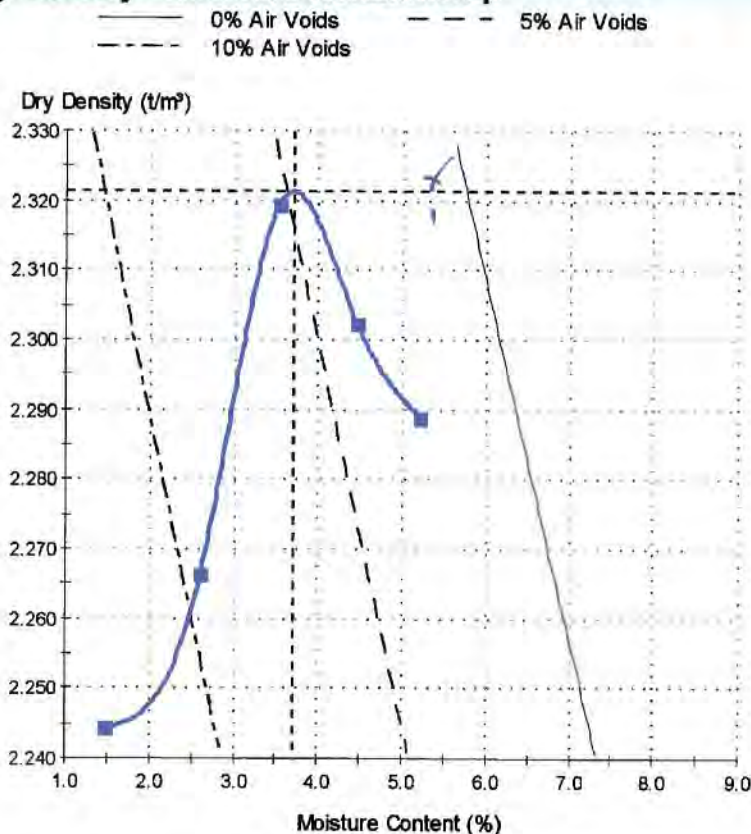
Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 03/06/14

### Sample Details

**Sample ID:** CAN14S-11472  
**Material:** Pit Run  
**Site/Sampled From:** KB Quarry Scalped over 53mm  
**Specification:** No Specification  
**Sampling Method:** Stated to be NZS 4407:1991 2.4.6.2.2  
**Technician:** Greg Orr

**Client Sample ID:** 953081  
**Sample Source:** Miscellaneous Material Source  
**Date Sampled:** 29/05/2014  
**Sampled By:** Advised - See Comments  
**Date Tested:** 03/06/2014  
**Sampling Endorsed?:** No

### Dry Density - Moisture Relationship



### Test Results

NZS 4402:1986 Test 4.1.3 - 1986

**Maximum Dry Density (t/m³):** 2.32  
**Optimum Moisture Content (%):** 3.6  
**Solid Density (t/m³):** 2.68 assumed  
**Fraction Tested Passes (mm):** 37.5  
**Material Removed (%):** 14  
**Sample History:** Natural

### Comments

Sampled by Toni O'Regan



PRELIMINARY

160114

**LEGEND**

- PROPOSED STAGING ROADS
- PROPOSED GREEN ROADS
- PROPOSED RECREATION & WALKWAY RESERVES
- PROPOSED RESERVES FOR STORMWATER PURPOSES
- PROPOSED ALLOWANCES FOR COMMERCIAL PURPOSES
- PROPOSED ALLOWANCES FOR FURTHER INTENSIVE RESIDENTIAL DEVELOPMENT
- PROPOSED RESIDENTIAL ALLOTMENTS - 40' MIN
- PROPOSED RESIDENTIAL ALLOTMENTS - 30' MIN
- PROPOSED RESIDENTIAL ALLOTMENTS - 20' MIN
- PROPOSED RESIDENTIAL ALLOTMENTS - 15' MIN

**Sheet 2**

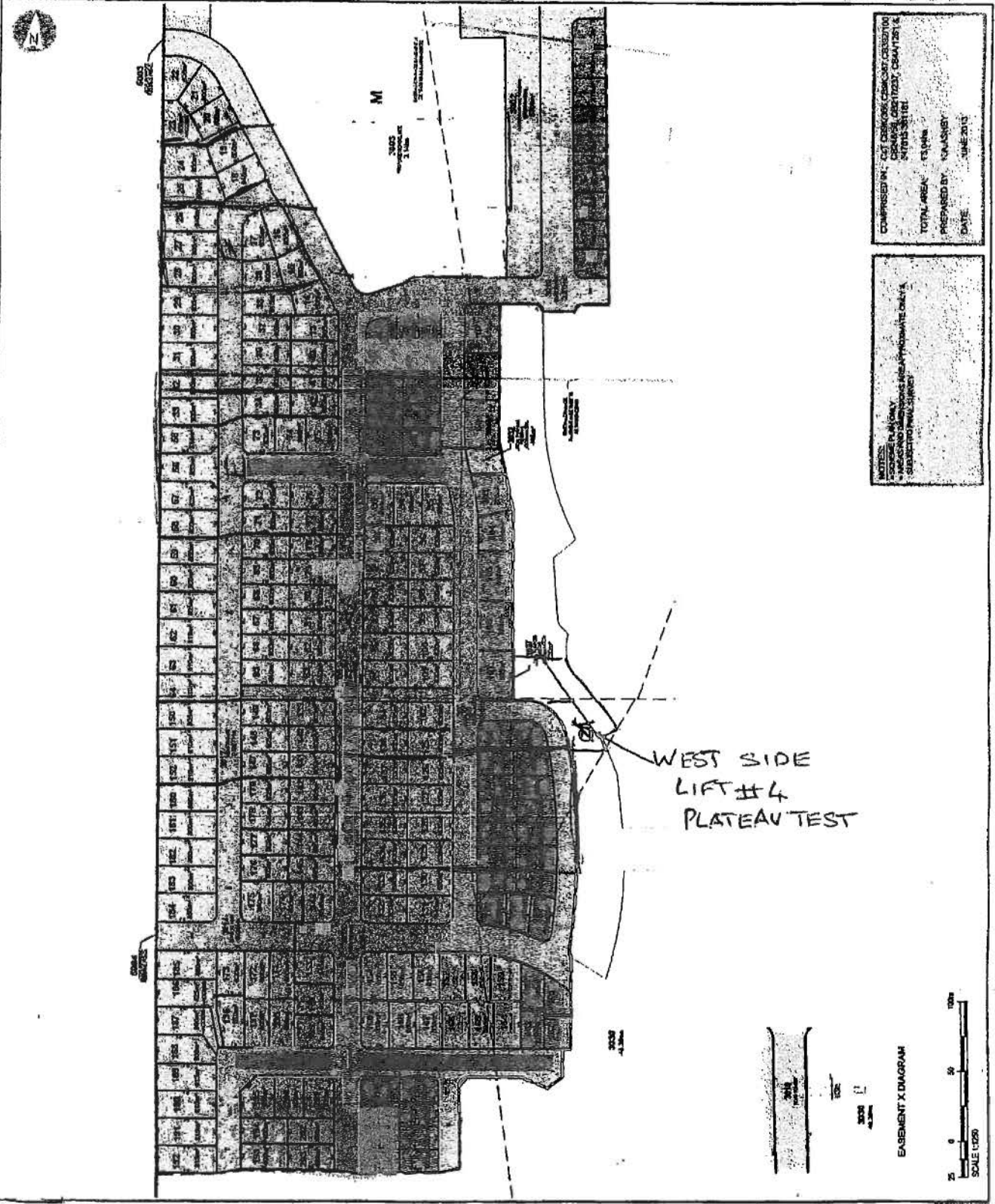
**aurecon**  
www.aurecon.co.za

**PROPOSED SUBDIVISION OF PLOTS 3716, 3717 & 2718 LOT 21 PRESTONS LOT 21 OF 8886 & LOT 1 OF 79476**

**PRESTONS SOUTH**

**PROPOSED SUBDIVISION OF PLOTS 3716, 3717 & 2718 LOT 21 PRESTONS LOT 21 OF 8886 & LOT 1 OF 79476**

**DATE:** 13/04/2015  
**PREPARED BY:** K. MASHAYI  
**DATE:** 13/04/2015



PIT RUN - MINORS QUARRY

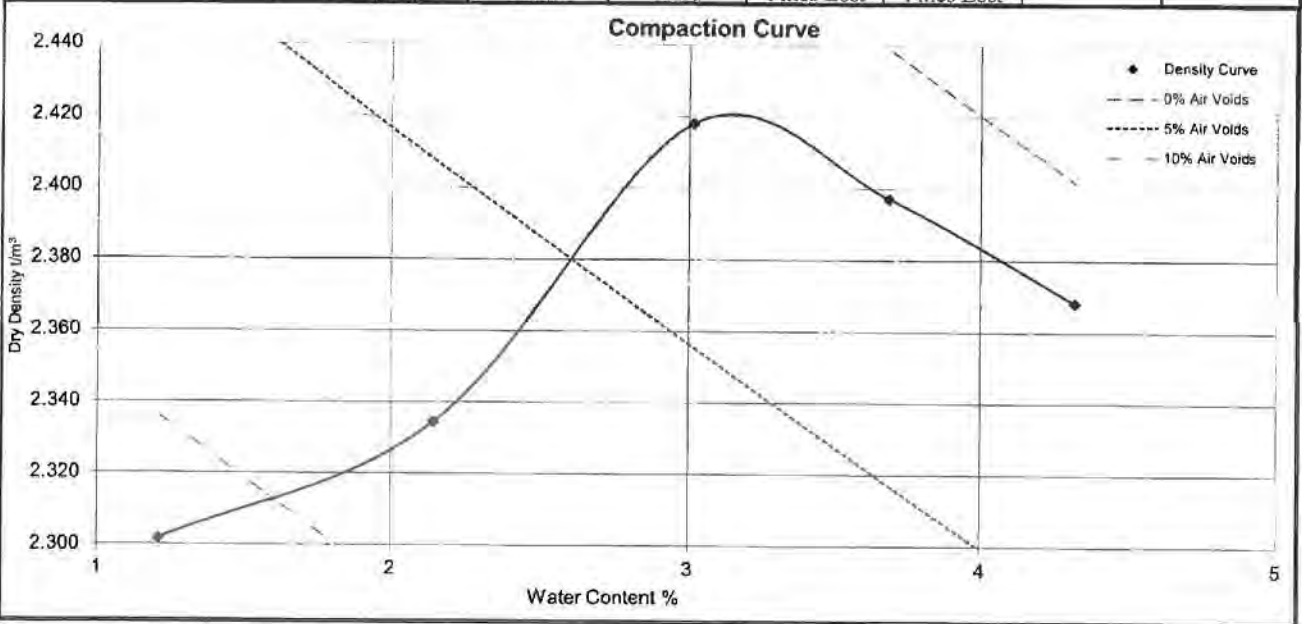
**DRY DENSITY / WATER CONTENT RELATIONSHIP  
VIBRATING COMPACTION**



Project : Quality Assurance  
 Location : Prestons Road Subdivision  
 Client : Coffey Geotechnical  
 Contractor : Not Advised  
 Sampled by : S Gardner  
 Date sampled : 11 June 2014  
 Sampling method : Not Advised  
 Sample description : Pit Run  
 Sample condition : Damp as Received  
 Solid density : 2.68 t/m<sup>3</sup> (Assumed)  
 Source : Prestons Road-KB's Quarries

Project No : 6-JCOFF.14/6LC  
 Lab Ref No : 13379  
 Client Ref No : A Wills

Test Results								
Maximum dry density	2.42	t/m <sup>3</sup>	Natural water content		-			%
Optimum water content	3.2	%	Fraction tested		Passing 37.5mm Test Sieve			
Sample ID	1%	2%	3%	4%	5%			
Bulk density t/m <sup>3</sup>	2.330	2.385	2.491	2.486	2.470			
Water content %	1.2	2.1	3.0	3.7	4.3			
Dry density t/m <sup>3</sup>	2.302	2.334	2.418	2.397	2.368			
Sample condition	Dry Firm	Moist Firm	Moist Hard	Wet Fines Lost	Saturated Fines Lost			



Test Methods	Notes
Compaction NZS 4402 : 1986 : Test 4.1.3	

Date tested : 13 June 2014  
 Date reported : 19 June 2014

Sampling is not covered by IANZ Accreditation. Results apply only to sample tested.  
 This report may only be reproduced in full

IANZ Approved Signatory

Designation : Senior Civil Engineering Technician  
 Date : 19 June 2014



Tests indicated as not accredited are outside the scope of the laboratory's accreditation

Report No: MDD:CAN14S-22802

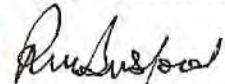
Issue No: 1

# Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.

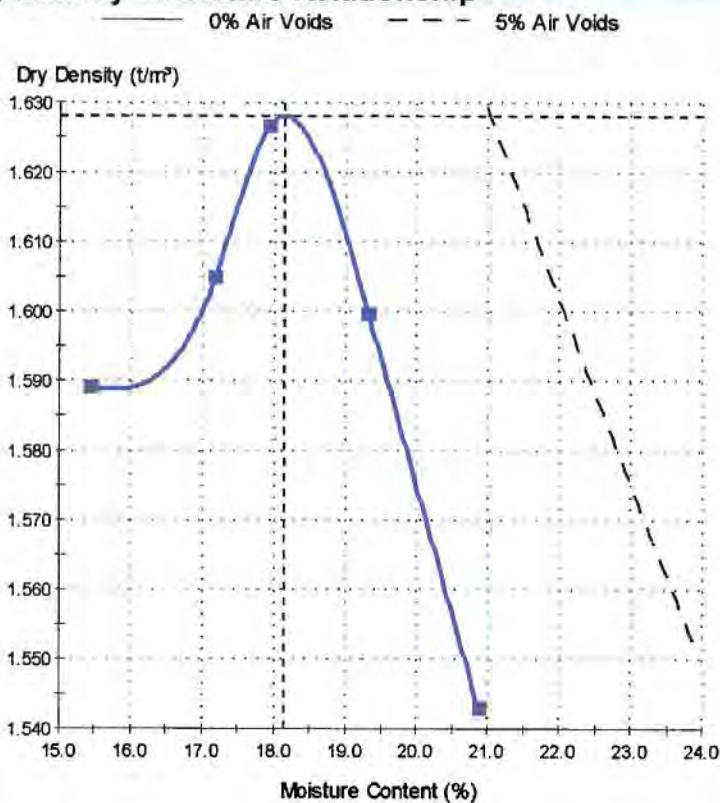
Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 07/11/14

## Sample Details

**Sample ID:** CAN14S-22802  
**Material:** BEACH SAND  
**Site/Sampled From:** Ex CDL Prestons Road Lot 3096  
**Specification:** No Specification  
**Sampling Method:** As Received - Not Accredited  
**Technician:** Max Burford

**Client Sample ID:** Lab Ref 2685/14  
**Sample Source:** Field Sample [Taken From Site]  
**Date Sampled:** 30/10/2014  
**Sampled By:** Advised - See Comments  
**Date Tested:** 07/11/2014  
**Sampling Endorsed?:** No

## Dry Density - Moisture Relationship



## Test Results

NZS 4402:1986 Test 4.1.3 - 1986

**Maximum Dry Density (t/m³):** 1.62  
**Optimum Moisture Content (%):** 18  
**Solid Density (t/m³):** 2.68 assumed  
**Fraction Tested Passes (mm):** 37.5  
**Material Removed (%):** 0  
**Sample History:** Natural

## Comments

Sampled by Toni O'Regan

PEAT AREA C

Canterbury Laboratory

325 Pound Rd, Yaldhurst, Christchurch  
PO Box 16-064, Christchurch 8441  
Telephone: +64 3 349 9142  
Facsimile: +64 3 349 9143  
www.fultonhogan.com  
0800 LABORATORY



Report No: MDD:CAN14S-12043

Issue No: 1

## Maximum Dry Density Report

**Client:** Toni O'Regan  
City Care Limited  
PO Box 7669  
Sydenham  
  
Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.



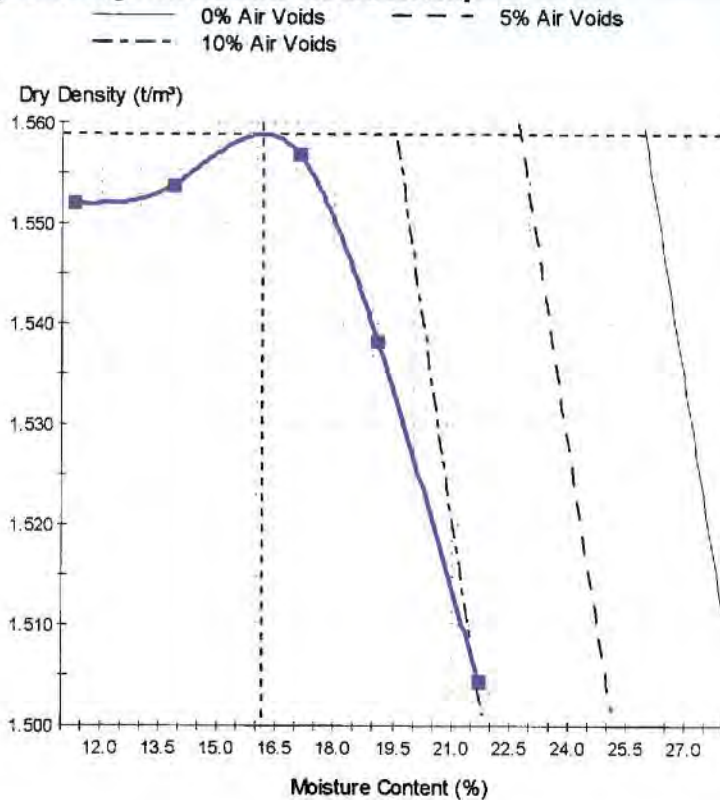
Approved Signatory: Max Burford  
(Supervisor)  
IANZ Accreditation No:200  
Date of Issue: 11/06/14

### Sample Details

**Sample ID:** CAN14S-12043  
**Material:** BEACH SAND  
**Site/Sampled From:** CDL Prestons Rd Peat Area C  
**Specification:** No Specification  
**Sampling Method:** As Received - Not Accredited  
**Technician:** Daniel Daly

**Client Sample ID:** Lab Ref 1322/14  
**Sample Source:** Field Sample [Taken From Site]  
**Date Sampled:** 06/06/2014  
**Sampled By:** Not Advised  
**Date Tested:** 11/06/2014  
**Sampling Endorsed?:** No

### Dry Density - Moisture Relationship



### Test Results

————— NZS 4402:1986 Test 4.1.3 - 1986 —————

**Maximum Dry Density (t/m³):** 1.56  
**Optimum Moisture Content (%):** 16  
**Solid Density (t/m³):** 2.62 assumed  
**Fraction Tested Passes (mm):** 37.5  
**Material Removed (%):** 0  
**Sample History:** Natural

### Comments

Material is beach sand with a trace of organic

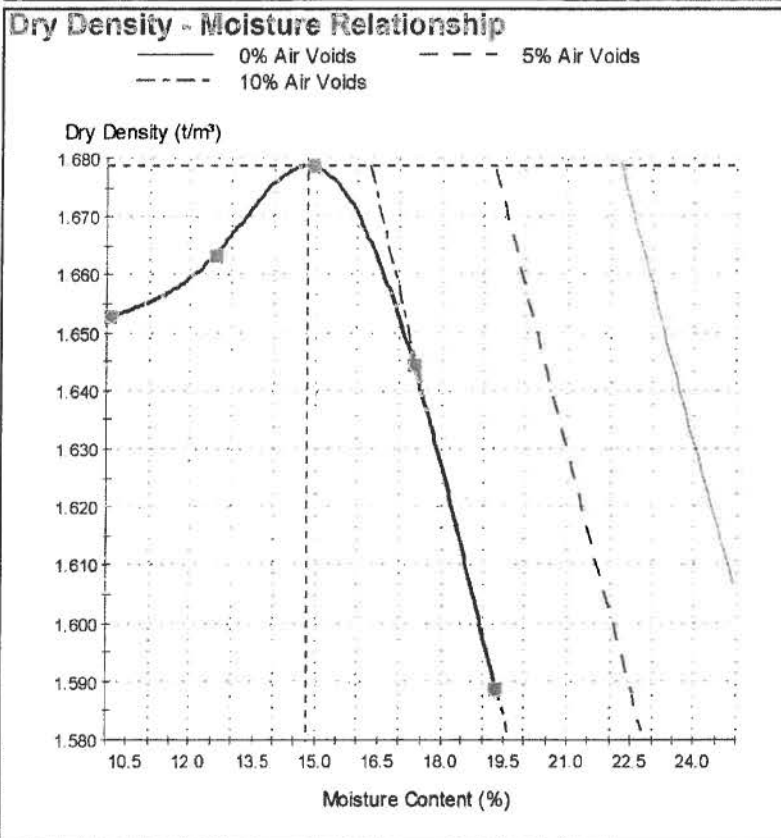


**Report No: MDD:CAN14S-08017**
**Issue No: 1**

## Maximum Dry Density Report

<b>Client:</b> Toni O'Regan City Care Limited PO Box 7669 Sydenham  Christchurch 8240  <b>Project:</b> QA Testing - City Care Ltd	The test (s) reported herein (unless indicated) have been performed in accordance with the laboratory's scope of accreditation. Results only apply to samples as received. This report must be reproduced in full.    Approved Signatory: Max Burford (Supervisor) IANZ Accreditation No.200 Date of Issue: 11/04/14
--	---

<b>Sample Details</b>	
<b>Sample ID:</b> CAN14S-08017	<b>Client Sample ID:</b> 0830/14 - MF, LS
<b>Material:</b> BEACH SAND	<b>Sample Source:</b> Field Sample [Taken From Site]
<b>Site/Sampled From:</b> CDL Prestons Road, Peat Area E	<b>Date Sampled:</b> 02/04/2014
<b>Specification:</b> No Specification	<b>Sampled By:</b> Mark Foster
<b>Sampling Method:</b> As Received - Not Accredited	<b>Date Tested:</b> 11/04/2014
<b>Technician:</b> Greg Orr	<b>Sampling Endorsed?:</b> No



**Test Results**

————— NZS 4402:1986 Test 4.1.3 - 1986 —————

<b>Maximum Dry Density (t/m³):</b>	<b>1.68</b>
<b>Optimum Moisture Content (%):</b>	<b>15</b>
<b>Solid Density (t/m³):</b>	<b>2.68 assumed</b>
<b>Fraction Tested Passes (mm):</b>	<b>37.5</b>
<b>Material Removed (%):</b>	<b>0</b>
<b>Sample History:</b>	<b>Natural</b>

**Comments**

Material is best described as FINE SAND with some medium sand and rare silt  
 23% medium sand with 72% FINE SAND and 5% silt

Report No: MDD:CAN14S-05060

Issue No: 1

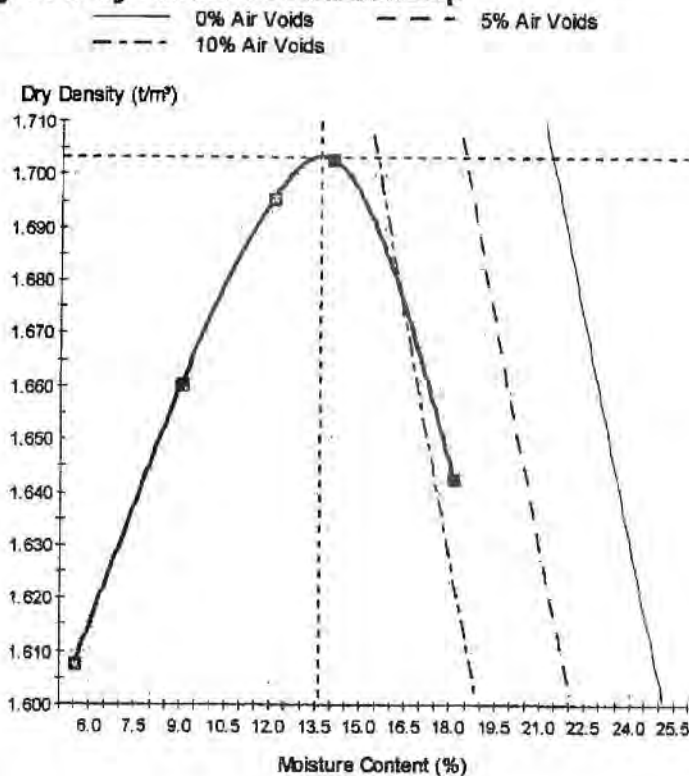
## Maximum Dry Density Report

<p><b>Client:</b> Toni O'Regan                  City Care Limited                  PO Box 7669                  Sydenham                    Christchurch 8240</p> <p><b>Project:</b> QA Testing - City Care Ltd</p>	<p>The test (s) reported herein (unless indicated) have been performed in accordance with the laboratory's scope of accreditation. Results only apply to samples as received. This report must be reproduced in full.</p>   <p>Approved Signatory: Max Burford                  (Supervisor)                  IANZ Accreditation No:200                  Date of Issue: 06/03/14</p>
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### Sample Details

<b>Sample ID:</b> CAN14S-05060	<b>Client Sample ID:</b> 0428/14 Site A
<b>Material:</b> BEACH SAND	<b>Sample Source:</b> Field Sample [Taken From Site]
<b>Site/Sampled From:</b> Prestons Road Alpine V Site A	<b>Date Sampled:</b> 25/02/2014
<b>Specification:</b> No Specification	<b>Sampled By:</b> Advised - See Comments
<b>Sampling Method:</b> As Received - Not Accredited	<b>Date Tested:</b> 06/03/2014
<b>Technician:</b> Daniel Daly	<b>Sampling Endorsed?:</b> No

### Dry Density - Moisture Relationship



### Test Results

————— NZS 4402:1986 Test 4.1.3 - 1986 —————

<b>Maximum Dry Density (t/m³):</b>	1.70
<b>Optimum Moisture Content (%):</b>	14
<b>Solid Density (t/m³):</b>	2.68 assumed
<b>Fraction Tested Passes (mm):</b>	37.5
<b>Material Removed (%):</b>	0
<b>Sample History:</b>	Natural

### Comments

80% MEDIUM SAND 18% fine sand & 2% silt

Report No: MDD:CAN14S-05061

Issue No: 1

## Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless indicated) have been performed in accordance with the laboratory's scope of accreditation. Results only apply to samples as received. This report must be reproduced in full.

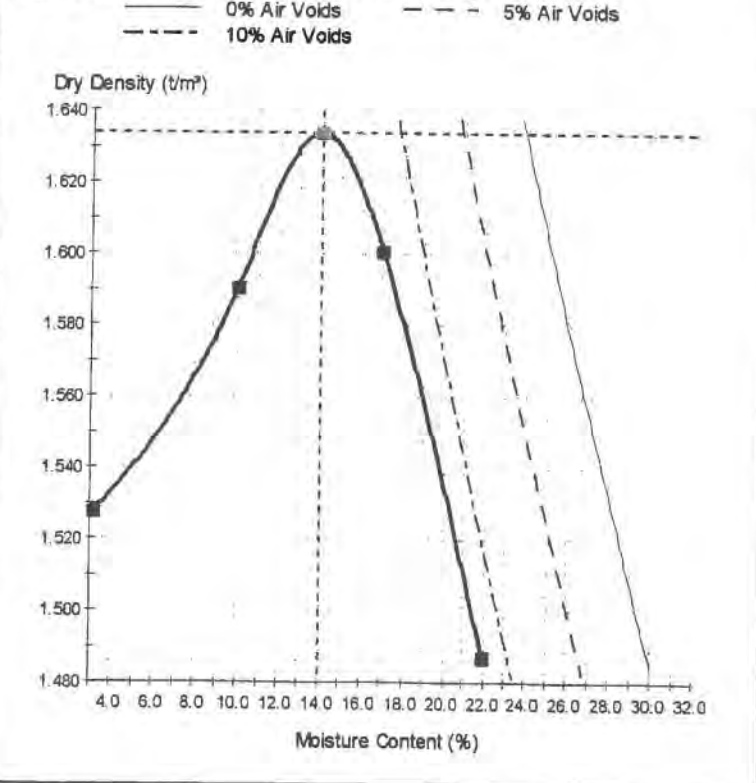
**IANZ**  
 ACCREDITED LABORATORY

*Max Burford*  
 Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 06/03/14

### Sample Details

<b>Sample ID:</b> CAN14S-05061	<b>Client Sample ID:</b> 0429/14 Site B
<b>Material:</b> BEACH SAND	<b>Sample Source:</b> Field Sample [Taken From Site]
<b>Site/Sampled From:</b> Prestons Road Alpine V Site B	<b>Date Sampled:</b> 25/02/2014
<b>Specification:</b> No Specification	<b>Sampled By:</b> Advised - See Comments
<b>Sampling Method:</b> As Received - Not Accredited	<b>Date Tested:</b> 06/03/2014
<b>Technician:</b> Daniel Daly	<b>Sampling Endorsed?:</b> No

### Dry Density - Moisture Relationship



### Test Results

————— NZS 4402:1986 Test 4.1.3 - 1986 —————

**Maximum Dry Density (t/m³):** 1.64

**Optimum Moisture Content (%):** 14

**Solid Density (t/m³):** 2.68 assumed

**Fraction Tested Passes (mm):** 37.5

**Material Removed (%):** 0

**Sample History:** Natural

### Comments

50% MEDIUM SAND 46% fine sand & 4% silt



Report No: MDD:CAN14S-05062

Issue No: 1

## Maximum Dry Density Report

**Client:** Toni O'Regan  
City Care Limited  
PO Box 7669  
Sydenham  
  
Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless indicated) have been performed in accordance with the laboratory's scope of accreditation. Results only apply to samples as received. This report must be reproduced in full.

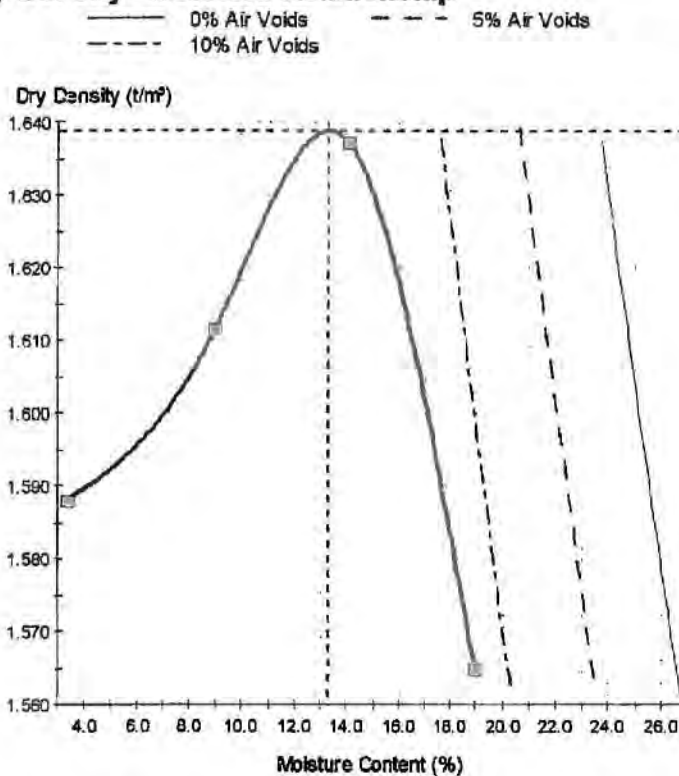
**IANZ**  
ACCREDITED LABORATORY

*Max Burford*  
Approved Signatory: Max Burford  
(Supervisor)  
IANZ Accreditation No:200  
Date of Issue: 06/03/14

### Sample Details

<b>Sample ID:</b>	CAN14S-05062	<b>Client Sample ID:</b>	0430/14 Site C
<b>Material:</b>	BEACH SAND	<b>Sample Source:</b>	Field Sample (Taken From Site)
<b>Site/Sampled From:</b>	Prestons Road Alpine V Site C	<b>Date Sampled:</b>	25/02/2014
<b>Specification:</b>	No Specification	<b>Sampled By:</b>	Advised - See Comments
<b>Sampling Method:</b>	As Received - Not Accredited	<b>Date Tested:</b>	06/03/2014
<b>Technician:</b>	Daniel Daly	<b>Sampling Endorsed?:</b>	No

### Dry Density - Moisture Relationship



### Test Results

————— NZS 4402:1986 Test 4.1.3 - 1986 —————

**Maximum Dry Density (t/m³):** 1.64

**Optimum Moisture Content (%):** 13

**Solid Density (t/m³):** 2.68 assumed

**Fraction Tested Passes (mm):** 37.5

**Material Removed (%):** 0

**Sample History:** Natural

### Comments

35% MEDIUM SAND 50% fine sand & 15% silt

Report No: MDD:CAN14S-08055

Issue No: 1

## Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham

Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless indicated) have been performed in accordance with the laboratory's scope of accreditation. Results only apply to samples as received. This report must be reproduced in full.



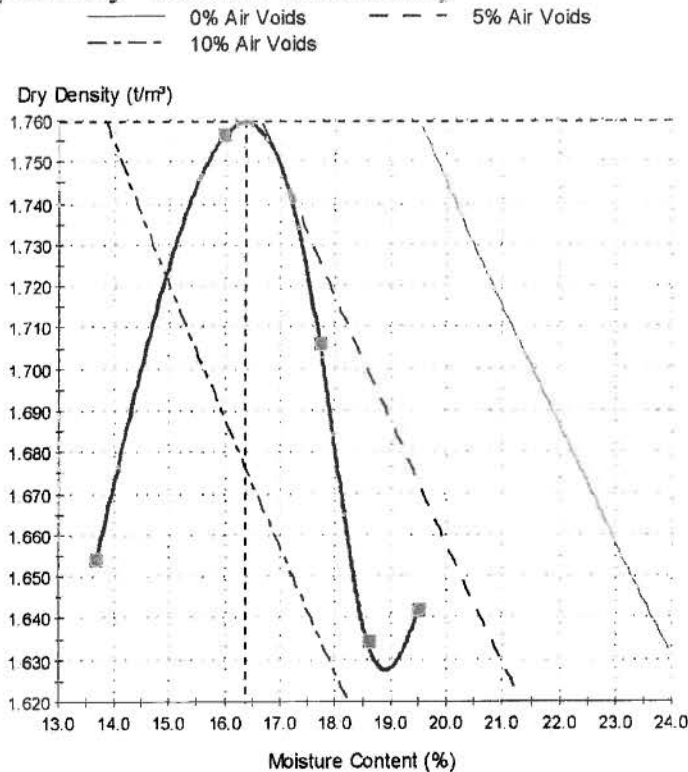

Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No 200  
 Date of Issue: 11/04/14

### Sample Details

**Sample ID:** CAN14S-08055  
**Material:** Silty Sand  
**Site/Sampled From:** CDL Prestons Road Site D  
**Specification:** No Specification  
**Sampling Method:** As Received - Not Accredited  
**Technician:** Greg Orr

**Client Sample ID:** 0826/14 - MF, LS  
**Sample Source:** Miscellaneous Material Source  
**Date Sampled:** 02/04/2014  
**Sampled By:** Mark Foster  
**Date Tested:** 11/04/2014  
**Sampling Endorsed?:** No

### Dry Density - Moisture Relationship



### Test Results

————— NZS 4402:1986 Test 4.1.3 - 1986 —————  
**Maximum Dry Density (t/m³):** 1.76  
**Optimum Moisture Content (%):** 16  
**Solid Density (t/m³):** 2.68 assumed  
**Fraction Tested Passes (mm):** 37.5  
**Material Removed (%):** 0  
**Sample History:** Natural

### Comments

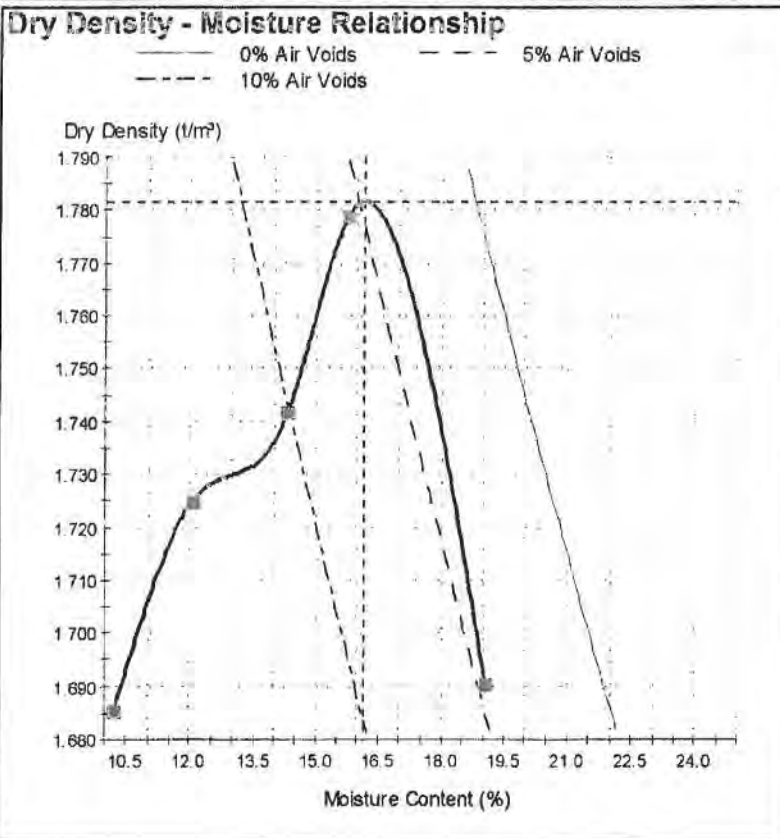
Matreial is best described as medium FINE SAND with some silt  
 1% coarse sand 29% medium sand with 50% FINE SAND and 20% silt

**Report No: MDD:CAN14S-07948**
**Issue No: 1**

## Maximum Dry Density Report

<b>Client:</b> Toni O'Regan City Care Limited PO Box 7669 Sydenham  Christchurch 8240  <b>Project:</b> QA Testing - City Care Ltd	The test (s) reported herein (unless indicated) have been performed in accordance with the laboratory's scope of accreditation. Results only apply to samples as received. This report must be reproduced in full.    Approved Signatory: Max Burford (Supervisor) IANZ Accreditation No:200 Date of Issue: 11/04/14
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<b>Sample Details</b>	
<b>Sample ID:</b> CAN14S-07948	<b>Client Sample ID:</b> 0827/14 - MF, LS
<b>Material:</b> Silty Sand	<b>Sample Source:</b> Miscellaneous Material Source
<b>Site/Sampled From:</b> CDL Prestons Road, Site E	<b>Date Sampled:</b> 02/04/2014
<b>Specification:</b> No Specification	<b>Sampled By:</b> Mark Foster
<b>Sampling Method:</b> As Received - Not Accredited	<b>Date Tested:</b> 09/04/2014
<b>Technician:</b> Greg Orr	<b>Sampling Endorsed?:</b> No



**Test Results**

NZS 4402:1986 Test 4.1.3 - 1986

<b>Maximum Dry Density (t/m³):</b>	1.78
<b>Optimum Moisture Content (%):</b>	16
<b>Solid Density (t/m³):</b>	2.68
<b>Fraction Tested Passes (mm):</b>	37.5
<b>Material Removed (%):</b>	0
<b>Sample History:</b>	Natural

### Comments

Material is best described as silty FINE SAND  
 30% silt and 70% fine sand

**Report No: MDD:CAN14S-08057**
**Issue No: 1**

## Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless indicated) have been performed in accordance with the laboratory's scope of accreditation. Results only apply to samples as received. This report must be reproduced in full.



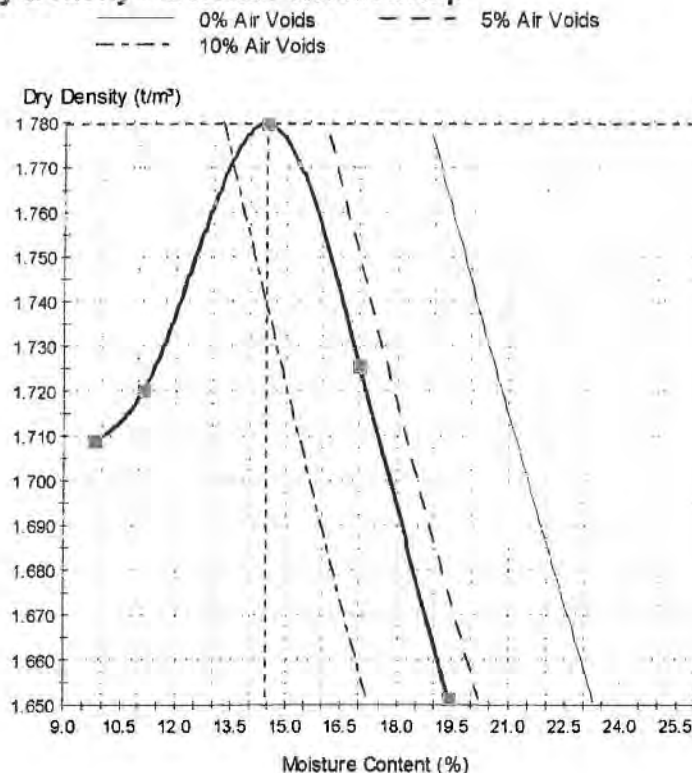

Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 11/04/14

### Sample Details

**Sample ID:** CAN14S-08057  
**Material:** Silty SAND  
**Site/Sampled From:** CDL Prestons Road Site F  
**Specification:** No Specification (Fine)  
**Sampling Method:** As Received - Not Accredited  
**Technician:** Greg Orr

**Client Sample ID:** 0828/14 - MF, LS  
**Sample Source:** Field Sample [Taken From Site]  
**Date Sampled:** 02/04/2014  
**Sampled By:** Mark Foster  
**Date Tested:** 11/04/2014  
**Sampling Endorsed?:** No

### Dry Density - Moisture Relationship



### Test Results

— NZS 4402:1986 Test 4.1.3 - 1986 —

**Maximum Dry Density (t/m³):** 1.78  
**Optimum Moisture Content (%):** 14  
**Solid Density (t/m³):** 2.68 assumed  
**Fraction Tested Passes (mm):** 37.5  
**Material Removed (%):** 0  
**Sample History:** Natural

### Comments

Material is best described as silty FINE SAND  
 28% silt 70% fine sand and 2% medium sand

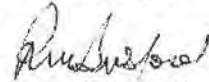
**Report No: MDD:CAN14S-08006**
**Issue No: 1**

## Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless indicated) have been performed in accordance with the laboratory's scope of accreditation. Results only apply to samples as received. This report must be reproduced in full.

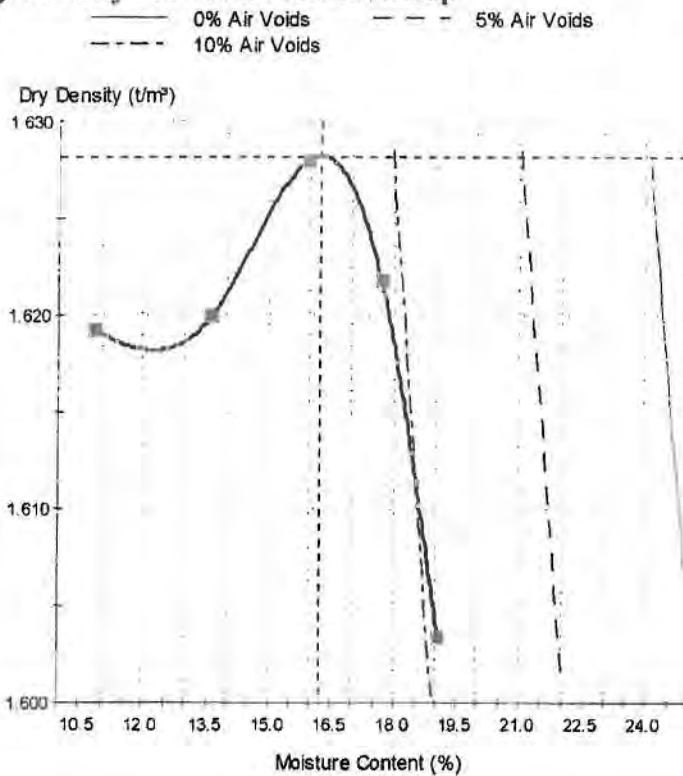



Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 11/04/14

### Sample Details

<b>Sample ID:</b>	CAN14S-08006	<b>Client Sample ID:</b>	0829/14 - MF, LS
<b>Material:</b>	BEACH SAND	<b>Sample Source:</b>	Field Sample [Taken From Site]
<b>Site/Sampled From:</b>	CDL Prestons Road, Site G	<b>Date Sampled:</b>	02/04/2014
<b>Specification:</b>	No Specification	<b>Sampled By:</b>	Mark Foster
<b>Sampling Method:</b>	As Received - Not Accredited	<b>Date Tested:</b>	11/04/2014
<b>Technician:</b>	Greg Orr	<b>Sampling Endorsed?:</b>	No

### Dry Density - Moisture Relationship



### Test Results

————— NZS 4402:1986 Test 4.1.3 - 1986 —————

<b>Maximum Dry Density (t/m³):</b>	1.62
<b>Optimum Moisture Content (%):</b>	16
<b>Solid Density (t/m³):</b>	2.68 assumed
<b>Fraction Tested Passes (mm):</b>	37.5
<b>Material Removed (%):</b>	0
<b>Sample History:</b>	Natural

### Comments

Material is best described as BEACH SAND  
 55% medium sand with 43% fine sand with 2% silt



Report No: MDD:CAN14S-25525

Issue No: 1

## Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.



*Max Burford*

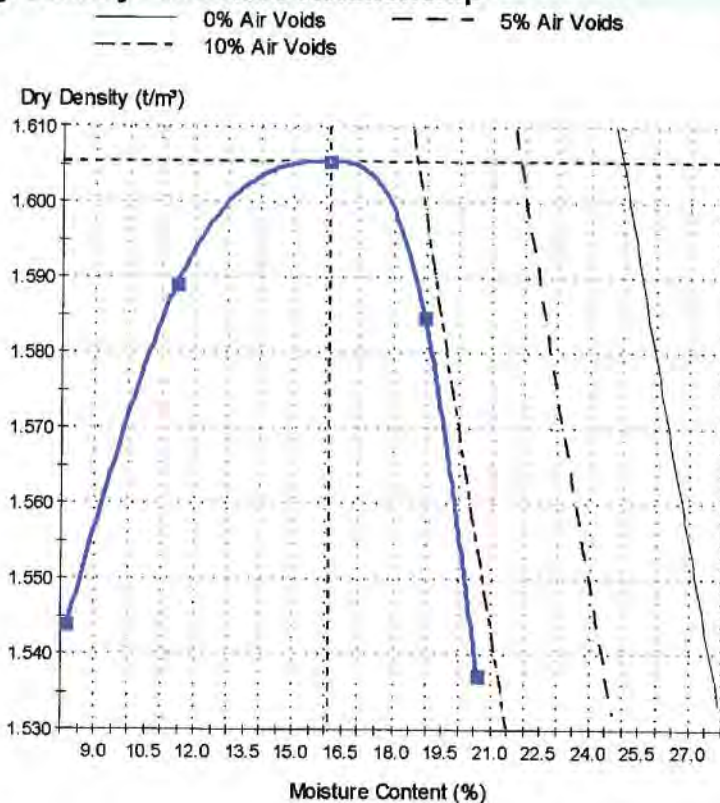
Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 15/12/14

### Sample Details

**Sample ID:** CAN14S-25525  
**Material:** Sand  
**Site/Sampled From:** Test Site # 1  
**Specification:** No Specification (Fine)  
**Sampling Method:** Not Advised - Not Accredited  
**Technician:** Marc Bos

**Client Sample ID:** 3092/14  
**Sample Source:** Field Sample [Taken From Site]  
**Date Sampled:** 08/12/2014  
**Sampled By:** Advised - See Comments  
**Date Tested:** 15/12/2014  
**Sampling Endorsed?:** No

### Dry Density - Moisture Relationship



### Test Results

NZS 4402:1986 Test 4.1.3 - 1986

**Maximum Dry Density (t/m³):** 1.60  
**Optimum Moisture Content (%):** 16  
**Solid Density (t/m³):** 2.68 assumed  
**Fraction Tested Passes (mm):** 37.5  
**Material Removed (%):** 0  
**Sample History:** Natural

### Comments

Sampled by LS



**Report No: MDD:CAN14S-25526**

**Issue No: 1**

# Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
  
 Christchurch 8240  
  
**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.



*Max Burford*

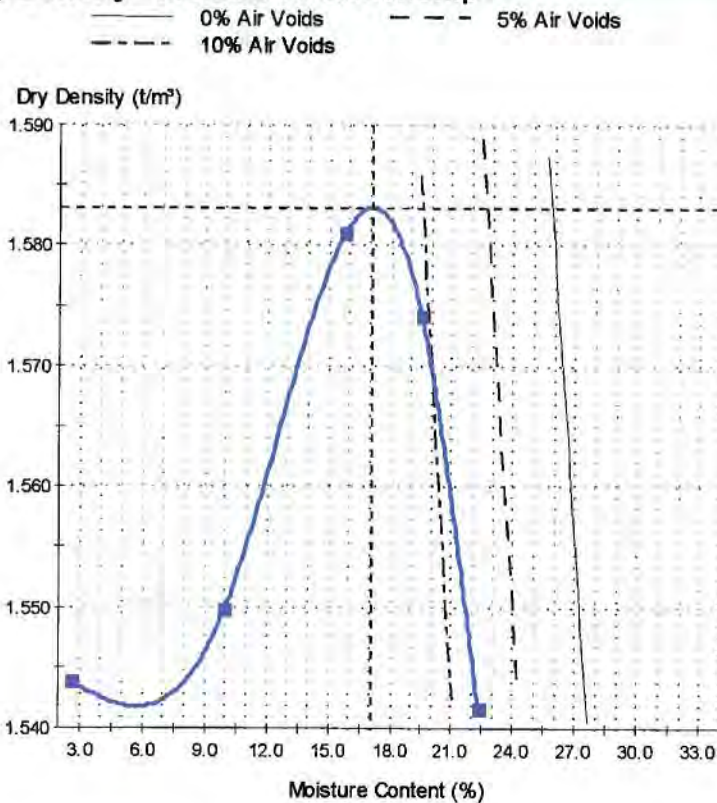
Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 15/12/14

## Sample Details

**Sample ID:** CAN14S-25526  
**Material:** Sand  
**Site/Sampled From:** Site # J  
**Specification:** No Specification (Fine)  
**Sampling Method:** As Received - Not Accredited  
**Technician:** Marc Bos

**Client Sample ID:** 3093/14  
**Sample Source:** Field Sample [Taken From Site]  
**Date Sampled:** 08/12/2014  
**Sampled By:** Advised - See Comments  
**Date Tested:** 15/12/2014  
**Sampling Endorsed?:** No

## Dry Density - Moisture Relationship



## Test Results

NZS 4402:1986 Test 4.1.3 - 1986  
**Maximum Dry Density (t/m³):** 1.58  
**Optimum Moisture Content (%):** 17  
**Solid Density (t/m³):** 2.68 assumed  
**Fraction Tested Passes (mm):** 37.5  
**Material Removed (%):** 0  
**Sample History:** Natural

## Comments

Sampled by LS



Report No: MDD:CAN14S-25527

Issue No: 1

# Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.



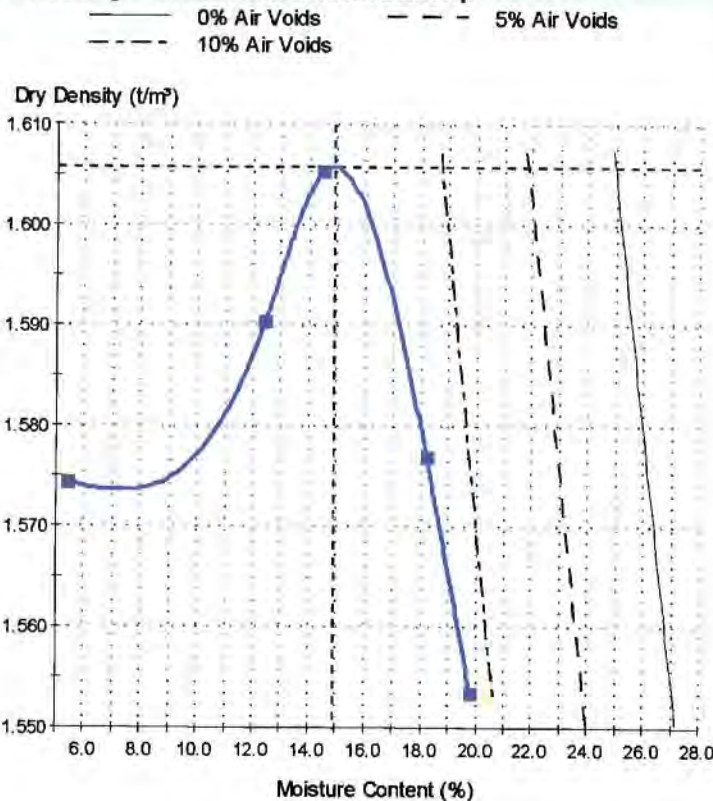
*Max Burford*

Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 15/12/14

## Sample Details

<b>Sample ID:</b> CAN14S-25527	<b>Client Sample ID:</b> 3094/14
<b>Material:</b> Sand	<b>Sample Source:</b> Field Sample [Taken From Site]
<b>Site/Sampled From:</b> CDC Prestons Sample K	<b>Date Sampled:</b> 08/12/2014
<b>Specification:</b> No Specification (Fine)	<b>Sampled By:</b> Advised - See Comments
<b>Sampling Method:</b> As Received - Not Accredited	<b>Date Tested:</b> 15/12/2014
<b>Technician:</b> Marc Bos	<b>Sampling Endorsed?:</b> No

## Dry Density - Moisture Relationship



## Test Results

————— NZS 4402:1986 Test 4.1.3 - 1986 —————

**Maximum Dry Density (t/m³):** 1.60  
**Optimum Moisture Content (%):** 15  
**Solid Density (t/m³):** 2.68 assumed  
**Fraction Tested Passes (mm):** 37.5  
**Material Removed (%):** 0  
**Sample History:** Natural

## Comments

Sampled by LS

SWALE AREA A

Canterbury Laboratory

325 Pound Rd, Yaldhurst, Christchurch  
 PO Box 16-064, Christchurch 8441  
 Telephone: +64 3 349 9142  
 Facsimile: +64 3 349 9143  
 www.fultonhogan.com  
 0800 LABORATORY



Report No: MDD:CAN14S-11317

Issue No: 1

## Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.



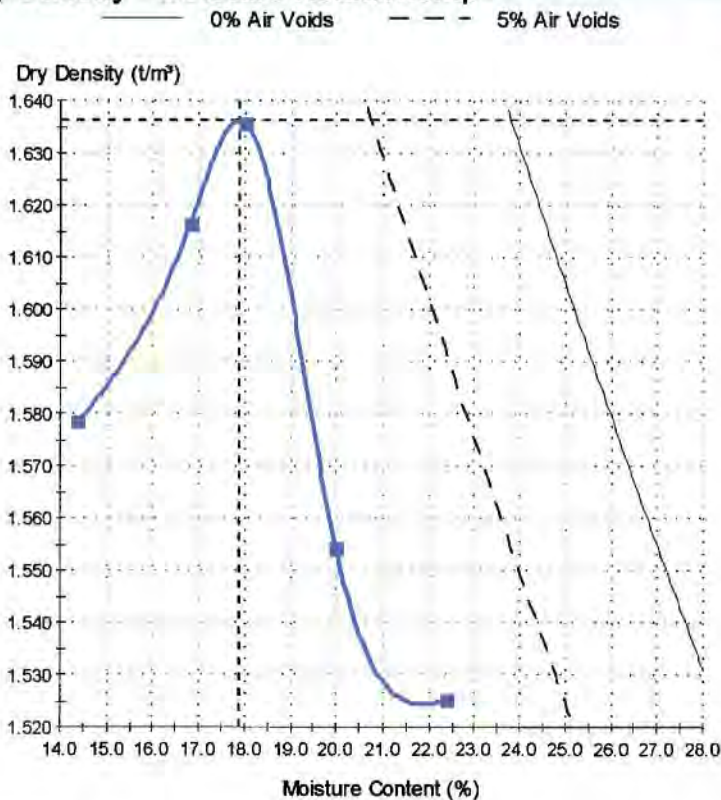
*Max Burford*  
 Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 30/05/14

### Sample Details

**Sample ID:** CAN14S-11317  
**Material:** BEACH SAND  
**Site/Sampled From:** CDL Prestons Rd, Swale Area A  
**Specification:** No Specification  
**Sampling Method:** As Received - Not Accredited  
**Technician:** Atu Rova

**Client Sample ID:** Lab Ref 1181/14  
**Sample Source:** Field Sample [Taken From Site]  
**Date Sampled:** 27/05/2014  
**Sampled By:** Mark Foster  
**Date Tested:** 30/05/2014  
**Sampling Endorsed?:** No

### Dry Density - Moisture Relationship



### Test Results

NZS 4402:1986 Test 4.1.3 - 1986

**Maximum Dry Density (t/m³):** 1.64  
**Optimum Moisture Content (%):** 18  
**Solid Density (t/m³):** 2.68 assumed  
**Fraction Tested Passes (mm):** 37.5  
**Material Removed (%):** 0  
**Sample History:** Natural

### Comments

The material is best described as FINE SAND with less 5% of medium sand and silt

Report No: MDD:CAN14S-15900



Issue No: 1

# Maximum Dry Density Report

**Client:** Toni O'Regan  
 City Care Limited  
 PO Box 7669  
 Sydenham  
 Christchurch 8240

**Project:** QA Testing - City Care Ltd

The test (s) reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. This report may only be reproduced in full.

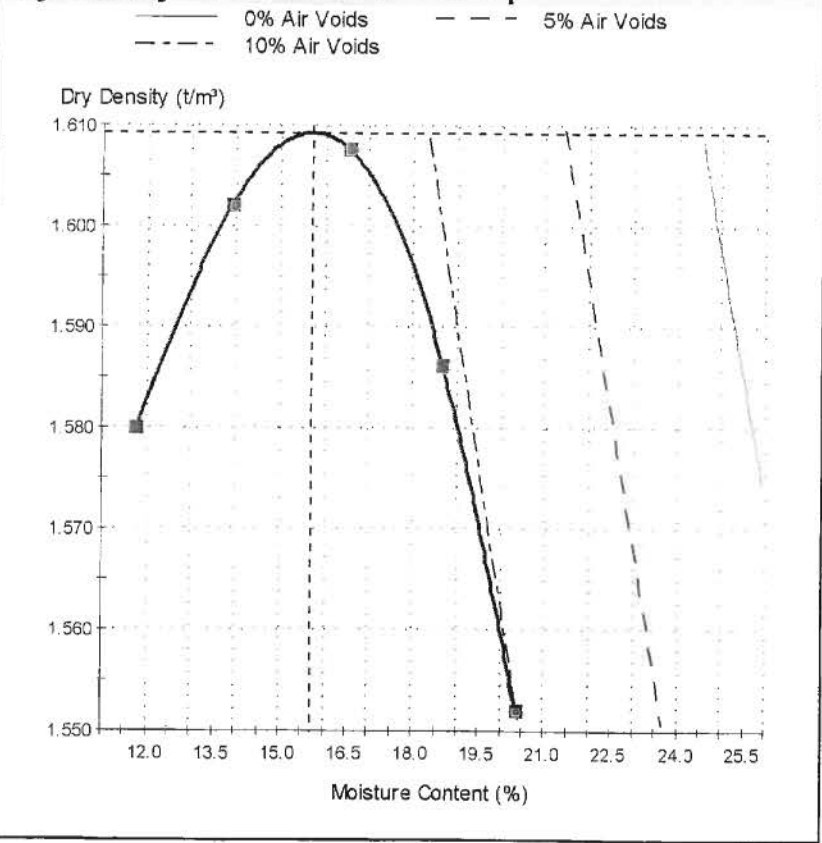



Approved Signatory: Max Burford  
 (Supervisor)  
 IANZ Accreditation No:200  
 Date of Issue: 13/08/14

## Sample Details

<b>Sample ID:</b> CAN14S-15900	<b>Client Sample ID:</b> Lab ref:1833/14
<b>Material:</b> BEACH SAND	<b>Sample Source:</b> Field Sample [Taken From Site]
<b>Site/Sampled From:</b> CDL Prestons Road Swale Area B	<b>Date Sampled:</b> 07/08/2014
<b>Specification:</b> No Specification	<b>Sampled By:</b> Advised - See Comments
<b>Sampling Method:</b> Stated to be NZS 4407:1991 2.4.6.2.2	<b>Date Tested:</b> 13/08/2014
<b>Technician:</b> Max Burford	<b>Sampling Endorsed?:</b> No

## Dry Density - Moisture Relationship



## Test Results

\_\_\_\_ NZS 4402:1986 Test 4.1.3 - 1986 \_\_\_\_\_

**Maximum Dry Density (t/m³):** 1.60

**Optimum Moisture Content (%):** 16

**Solid Density (t/m³):** 2.66 assumed

**Fraction Tested Passes (mm):** 37.5

**Material Removed (%):** 0

**Sample History:** Natural

## Comments

Sampled by RR  
 Material is best described as FINE SAND with minor medium sand



# Appendix H

## NDM Test Results

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
3/06/2014	1281	1	1	395341	812438	U	2320	PIT RUN	1		99.7
		2	2	395344	812416	U	2320	PIT RUN	1		100.3
		3	3	395351	812395	U	2320	PIT RUN	1		98.9
		4	4	395352	812379	U	2320	PIT RUN	1		98.4
		5	5	395355	812356	U	2320	PIT RUN	1		99.9
4/06/2014	1301	1	6	395341	812438	U	2320	PIT RUN	2		98.8
		2	7	395344	812416	U	2320	PIT RUN	2		100.2
		3	8	395351	812395	U	2320	PIT RUN	2		99.9
		4	9	395352	812379	U	2320	PIT RUN	2		100.2
		5	10	395355	812356	U	2320	PIT RUN	2		98.9
		6	11	395361	812441	U	2320	PIT RUN	1		98.6
		7	12	395362	812417	U	2320	PIT RUN	1		100.1
		8	13	395364	812396	U	2320	PIT RUN	1		100.2
		9	14	395368	812380	U	2320	PIT RUN	1		98.4
		10	15	395370	812357	U	2320	PIT RUN	1		99.5
5/06/2014	1304	1	16	395361	812441	U	2320	PIT RUN	2		101.9
		2	17	395362	812417	U	2320	PIT RUN	2		100.2
		3	18	395364	812396	U	2320	PIT RUN	2		100.8
		4	19	395368	812380	U	2320	PIT RUN	2		99.8
		5	20	395370	812357	U	2320	PIT RUN	2		100.8
		6	21	395341	812438	U	2320	PIT RUN	3		100.8
		7	22	395344	812416	U	2320	PIT RUN	3		100.9
		8	23	395351	812395	U	2320	PIT RUN	3		100.4
		9	24	395352	812379	U	2320	PIT RUN	3		101.4
		10	25	395355	812356	U	2320	PIT RUN	3		100.8
6/06/2014	1321	1	26	395341	812438	U	2320	PIT RUN	4		98.3
		2	27	395344	812416	U	2320	PIT RUN	4		100.3
		3	28	395351	812395	U	2320	PIT RUN	4		100.0
		4	29	395352	812379	U	2320	PIT RUN	4		98.9
		5	30	395355	812356	U	2320	PIT RUN	4		98.4
		6	31	395361	812441	U	2320	PIT RUN	3		96.9
		7	32	395362	812417	U	2320	PIT RUN	3		95.8
		8	33	395364	812396	U	2320	PIT RUN	3		96.4
		9	34	395368	812380	U	2320	PIT RUN	3		97.5
		10	35	395370	812357	U	2320	PIT RUN	3		98.8
25/06/2014	1425	1	36	395381	812329	U	2320	PIT RUN	1		98.8
		2	37	395406	812296	U	2320	PIT RUN	1		99.4
		3	38	395384	812306	U	2320	PIT RUN	1		98.5
		4	39	395356	812336	U	2320	PIT RUN	1		100.1
30/06/2014	1463	1	40	395341	812438	U	2320	PIT RUN	6		99.7
		2	41	395344	812416	U	2320	PIT RUN	6		99.1
		3	42	395352	812379	U	2320	PIT RUN	6		99.0
		4	43	395355	812356	U	2320	PIT RUN	6		98.0
		5	44	395401	812306	U	2320	PIT RUN	1		98.3
		6	45	395412	812278	U	2320	PIT RUN	1		98.2
		7	46	395417	812266	U	2320	PIT RUN	1		99.8
		8	47	395421	812237	U	2320	PIT RUN	1		98.2
		9	48	395370	812357	U	2320	PIT RUN	5		100.0
		10	49	395368	812380	U	2320	PIT RUN	5		100.3
		11	50	395362	812417	U	2320	PIT RUN	5		98.5
3/07/2014	1498	1	51	395341	812438	U	2320	PIT RUN	7		98.0
		2	52	395344	812416	U	2320	PIT RUN	7		99.6
		3	53	395352	812379	U	2320	PIT RUN	7		98.5
		4	54	395355	812356	U	2320	PIT RUN	7		99.4
		5	55	395356	812336	U	2320	PIT RUN	2		98.5
		6	56	395381	812329	U	2320	PIT RUN	2		98.6
		7	57	395370	812357	U	2320	PIT RUN	6		98.8
		8	58	395368	812380	U	2320	PIT RUN	6		98.7
		9	59	395362	812417	U	2320	PIT RUN	6		98.5
		10	60	395361	812441	U	2320	PIT RUN	6		98.6
4/07/2014	1514	1	61	395408	812293	U	2340	PIT RUN	4	1566	93.9
		2	62	395412	812278	U	2340	PIT RUN	4	1566	94.7
		3	63	395417	812266	U	2340	PIT RUN	4	1566	96.1
		4	64	395421	812254	U	2340	PIT RUN	4	1566	96.6
9/07/2014	1566	1	65	395393	812289	U	2340	PIT RUN	3		99.5
		2	66	395397	812278	U	2340	PIT RUN	3		102.1
		3	67	395402	812262	U	2340	PIT RUN	3		99.1
		4	68	395402	812251	U	2340	PIT RUN	3		99.3
		5	69	395421	812254	U	2320	PIT RUN	4		100.2

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		6	70	395417	812266	U	2320	PIT RUN	4		99.5
		7	71	395412	812278	U	2320	PIT RUN	4		99.9
		8	72	395408	812293	U	2320	PIT RUN	4		99.7
7/07/2014	1541	1	73	395389	812302	U	2340	PIT RUN	1		98.3
		2	74	395393	812289	U	2340	PIT RUN	1		98.2
		3	75	395397	812278	U	2340	PIT RUN	1		98.6
		4	76	395402	812262	U	2340	PIT RUN	1		99.4
7/07/2014	1540	1	77	395401	812306	U	2320	PIT RUN	3		98.6
		2	78	395406	812296	U	2320	PIT RUN	3		98.0
		3	79	395409	812288	U	2320	PIT RUN	3		98.1
		4	80	395412	812278	U	2320	PIT RUN	3		98.5
8/07/2014	1561	1	81	395379	812311	U	2340	PIT RUN	2		99.2
		2	82	395389	812302	U	2340	PIT RUN	2		98.6
		3	83	395393	812289	U	2340	PIT RUN	2		98.4
		4	84	395397	812278	U	2340	PIT RUN	2		99.1
11/07/2014	1603	1	85	395384	812306	U	2340	PIT RUN	4		99.6
		2	86	395397	812278	U	2340	PIT RUN	4	1602	95.9
11/07/2014	1602	1	87	395379	812311	U	2340	PIT RUN	4		99.0
		2	88	395389	812302	U	2340	PIT RUN	4		98.8
		3	89	395393	812289	U	2340	PIT RUN	4		102.2
		4	90	395397	812278	U	2340	PIT RUN	4		103.1
14/07/2014	1620	1	91	395341	812438	U	2320	PIT RUN	8		99.5
		2	92	395344	812416	U	2320	PIT RUN	8		102.2
		3	93	395352	812379	U	2320	PIT RUN	8		98.2
		4	94	395355	812356	U	2320	PIT RUN	8		98.3
		5	95	395371	812319	U	2320	PIT RUN	4		98.5
		6	96	395375	812337	U	2320	PIT RUN	4		103.5
		7	97	395390	812321	U	2320	PIT RUN	4		99.1
16/07/2014	1642	1	98	395356	812336	U	2340	PIT RUN	4		98.7
		2	99	395381	812329	U	2340	PIT RUN	4		100.7
		3	100	395389	812302	U	2340	PIT RUN	5		98.0
		4	101	395393	812289	U	2340	PIT RUN	5		98.2
		5	102	395397	812278	U	2340	PIT RUN	5		99.0
		6	103	395402	812262	U	2340	PIT RUN	5		101.4
		7	104	395417	812266	U	2340	PIT RUN	5		98.5
		8	105	395412	812278	U	2340	PIT RUN	5		99.2
		9	106	395408	812293	U	2340	PIT RUN	5		98.0
		10	107	395401	812306	U	2340	PIT RUN	5		99.0
		11	108	395370	812357	U	2340	PIT RUN	7		98.2
		12	109	395368	812380	U	2340	PIT RUN	7		99.9
		13	110	395362	812417	U	2340	PIT RUN	7		98.6
		14	111	395361	812441	U	2340	PIT RUN	7		99.5
17/07/2014	1649	1	112	395389	812302	U	2320	PIT RUN	6		98.5
		2	113	395393	812289	U	2320	PIT RUN	6		102.1
		3	114	395397	812278	U	2320	PIT RUN	6		98.9
		4	115	395402	812262	U	2320	PIT RUN	6		98.8
		5	116	395356	812336	U	2320	PIT RUN	5		98.8
		6	117	395371	812319	U	2320	PIT RUN	5		98.1
		7	118	395381	812329	U	2320	PIT RUN	5		99.0
		8	119	395401	812306	U	2320	PIT RUN	6		98.5
		9	120	395408	812293	U	2320	PIT RUN	6		98.6
		10	121	395412	812278	U	2320	PIT RUN	6		98.2
		11	122	395417	812266	U	2320	PIT RUN	6		99.3
28/07/2014	1728	1	123	395390	812298	U	2340	PIT RUN	1		99.4
		2	124	395391	812294	U	2340	PIT RUN	1		100.6
		3	125	395395	812285	U	2340	PIT RUN	1		99.9
		4	126	395402	812258	U	2340	PIT RUN	1		98.7
25/07/2014	1712	1	127	395380	812334	U	2340	PIT RUN	3		98.3
		2	128	395356	812336	U	2340	PIT RUN	3		99.4
		3	129	395379	812311	U	2340	PIT RUN	4		98.6
		4	130	395390	812298	U	2340	PIT RUN	4		99.1
		5	131	395391	812294	U	2340	PIT RUN	4		98.4
		6	132	395395	812285	U	2340	PIT RUN	4		98.8
28/07/2014	1727	1	133	395380	812334	U	2340	PIT RUN	4		98.3
		2	134	395390	812321	U	2340	PIT RUN	4		99.4
21/07/2014	1665	1	135	395379	812311	U	2320	PIT RUN	6		100.7
		2	136	395400	812313	U	2320	PIT RUN	6		98.6
		3	137	395403	812301	U	2320	PIT RUN	6		99.1
		4	138	395408	812293	U	2320	PIT RUN	7		99.0



Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		5	139	395412	812278	U	2320	PIT RUN	7		100.6
		6	140	395417	812266	U	2320	PIT RUN	7		99.6
		7	141	395421	812254	U	2320	PIT RUN	7		98.2
		8	142	395402	812251	U	2320	PIT RUN	7		98.2
		9	143	395402	812262	U	2320	PIT RUN	7		98.0
		10	144	395397	812278	U	2320	PIT RUN	7		99.0
		11	145	395393	812289	U	2320	PIT RUN	7		99.4
23/07/2014	1686	1	146	395421	812249	U	2340	PIT RUN	2		99.6
		2	147	395421	812227	U	2340	PIT RUN	2		99.0
		5	150	395414	812271	U	2340	PIT RUN	1		99.0
		6	151	395399	812271	U	2340	PIT RUN	1		99.4
24/07/2014	1690	1	152	395381	812329	U	2320	PIT RUN	7		98.2
		2	153	395371	812319	U	2320	PIT RUN	7		99.6
		3	154	395356	812336	U	2320	PIT RUN	7		99.8
		4	155	395409	812288	U	2340	PIT RUN	2		98.5
		5	156	395399	812271	U	2340	PIT RUN	2		99.3
		6	157	395417	812266	U	2340	PIT RUN	3		99.3
		7	158	395421	812249	U	2340	PIT RUN	3		98.3
		8	159	395421	812227	U	2340	PIT RUN	3		98.1
30/07/2014	1745	1	162	395402	812258	U	2340	PIT RUN	2		98.5
		2	163	395405	812241	U	2340	PIT RUN	2		98.4
		3	164	395405	812227	U	2340	PIT RUN	2		98.7
		5	166	395414	812271	U	2340	PIT RUN	5		98.4
		6	167	395395	812285	U	2340	PIT RUN	5		98.2
31/07/2014	1760	1	168	395402	812258	U	2340	PIT RUN	3		98.4
		2	169	395405	812241	U	2340	PIT RUN	3		99.7
		3	170	395405	812227	U	2340	PIT RUN	3		98.3
1/08/2014	1775	1	172	395402	812258	U	2340	PIT RUN	4		98.0
		2	173	395405	812241	U	2340	PIT RUN	4		98.1
		3	174	395405	812227	U	2340	PIT RUN	4		98.8
4/08/2014	1795	1	176	395356	812336	U	2320	PIT RUN	8		98.7
		2	177	395362	812345	U	2320	PIT RUN	8		100.4
		3	178	395374	812345	U	2320	PIT RUN	8		98.7
		4	179	395370	812357	U	2320	PIT RUN	8		101.6
		5	180	395368	812380	U	2320	PIT RUN	8		100.5
		6	181	395362	812417	U	2320	PIT RUN	8		100.0
		7	182	395344	812416	U	2320	PIT RUN	8		98.4
		8	183	395381	812329	U	2320	PIT RUN	8		98.1
		9	184	395390	812321	U	2320	PIT RUN	8		100.3
		10	185	395400	812313	U	2320	PIT RUN	8		99.3
		11	186	395403	812301	U	2320	PIT RUN	8		98.0
		12	187	395393	812289	U	2320	PIT RUN	8		98.0
		13	188	395389	812302	U	2320	PIT RUN	8		98.4
		14	189	395379	812311	U	2320	PIT RUN	8		99.8
		15	190	395371	812319	U	2320	PIT RUN	8		99.4
		16	191	395399	812271	U	2320	PIT RUN	4		99.2
		17	192	395405	812241	U	2320	PIT RUN	4		98.1
		18	193	395405	812227	U	2320	PIT RUN	4		100.3
6/08/2014	1817	2	196	395421	812227	U	2320	PIT RUN	5		98.1
		3	197	395421	812237	U	2320	PIT RUN	5		98.0
		4	198	395421	812249	U	2320	PIT RUN	5		98.1
9/08/2014	1885	4	204	395405	812227	U	2340	PIT RUN	5		98.5
		5	205	395405	812241	U	2340	PIT RUN	5		98.8
		6	206	395399	812271	U	2340	PIT RUN	5		100.2
		7	207	395421	812249	U	2320	PIT RUN	6		98.3
		8	208	395421	812237	U	2320	PIT RUN	6		98.1
		9	209	395421	812227	U	2320	PIT RUN	6		98.2
11/08/2014	1892	2	212	395421	812227	U	2340	PIT RUN	7		98.2
		3	213	395421	812237	U	2340	PIT RUN	7		98.9
		4	214	395421	812249	U	2340	PIT RUN	7		98.2
22/07/2014	1676	1	215	395421	812249	U	2320	PIT RUN	1		98.8
		2	216	395421	812227	U	2320	PIT RUN	1		98.0
12/08/2014	1905	2	220	395421	812227	U	2340	PIT RUN	8		98.0
		3	221	395421	812237	U	2340	PIT RUN	8		98.0
		4	222	395421	812249	U	2340	PIT RUN	8		98.4
		7	225	395391	812294	U	2320	PIT RUN	6		98.1
		8	226	395409	812288	U	2320	PIT RUN	6		98.0
13/08/2014	1920	1	227	395391	812294	U	2340	PIT RUN	7		100.6
		2	228	395409	812288	U	2340	PIT RUN	7		98.0

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
14/08/2014	1935	1	231	395399	812271	U	2340	PIT RUN	6		98.1
		2	232	395405	812241	U	2340	PIT RUN	6		98.3
		3	233	395405	812227	U	2340	PIT RUN	6		98.1
20/08/2014	1986	1	237	395340	812550	U	2340	PIT RUN	1		99.4
		2	238	395326	812551	U	2340	PIT RUN	2		100.0
		3	239	395329	812531	U	2340	PIT RUN	2		99.2
		4	240	395329	812517	U	2340	PIT RUN	2		98.4
		5	241	395329	812497	U	2340	PIT RUN	2		99.5
		6	242	395334	812479	U	2340	PIT RUN	2		99.1
21/08/2014	1993	1	243	395344	812498	U	2340	PIT RUN	2		98.2
		2	244	395343	812504	U	2340	PIT RUN	2		98.2
		3	245	395342	812518	U	2340	PIT RUN	2		98.4
		4	246	395342	812532	U	2340	PIT RUN	2		100.1
		5	247	395341	812537	U	2340	PIT RUN	2		98.0
22/08/2014	2010	1	248	395326	812551	U	2340	PIT RUN	3		98.2
		2	249	395329	812531	U	2340	PIT RUN	3		99.8
		3	250	395329	812517	U	2340	PIT RUN	3		98.6
		4	251	395329	812497	U	2340	PIT RUN	3		99.0
		5	252	395334	812479	U	2340	PIT RUN	3		98.5
		6	253	395340	812550	U	2340	PIT RUN	3		99.4
		7	254	395342	812532	U	2340	PIT RUN	3		98.4
		8	255	395342	812518	U	2340	PIT RUN	3		98.1
		9	256	395344	812498	U	2340	PIT RUN	3		98.5
		10	257	395350	812480	U	2340	PIT RUN	3		99.7
25/08/2014	2022	1	258	395326	812551	U	2340	PIT RUN	4		98.5
		2	259	395329	812531	U	2340	PIT RUN	4		98.0
		3	260	395329	812517	U	2340	PIT RUN	4		98.5
		4	261	395329	812497	U	2340	PIT RUN	4		98.9
		5	262	395334	812479	U	2340	PIT RUN	4		99.6
26/08/2014	2029	4	266	395405	812227	U	2320	PIT RUN	7		98.4
		5	267	395405	812241	U	2320	PIT RUN	7		100.4
		6	268	395399	812271	U	2320	PIT RUN	7		99.9
19/06/2014	1378	1	269	395361	812441	U	2320	PIT RUN	3		98.9
		2	270	395362	812417	U	2320	PIT RUN	3		99.4
		3	271	395364	812396	U	2320	PIT RUN	3		98.2
		4	272	395368	812380	U	2320	PIT RUN	3		100.6
		5	273	395370	812357	U	2320	PIT RUN	3		98.5
		6	274	395355	812356	U	2320	PIT RUN	5		99.9
		7	275	395352	812379	U	2320	PIT RUN	5		100.0
		8	276	395351	812395	U	2320	PIT RUN	5		100.1
		9	277	395344	812416	U	2320	PIT RUN	5		99.0
		10	278	395341	812438	U	2320	PIT RUN	5		98.6
27/08/2014	2039	1	279	395326	812551	U	2340	PIT RUN	5		99.6
		2	280	395329	812531	U	2340	PIT RUN	5		99.1
		3	281	395329	812517	U	2340	PIT RUN	5		99.4
		4	282	395329	812497	U	2340	PIT RUN	5		98.9
		5	283	395334	812479	U	2340	PIT RUN	5		98.5
		6	284	395399	812271	U	2340	PIT RUN	8		98.3
		7	285	395405	812241	U	2340	PIT RUN	8		98.1
		8	286	395405	812227	U	2340	PIT RUN	8		98.3
28/08/2014	2048	1	288	395326	812551	U	2340	PIT RUN	6		100.6
		2	289	395329	812531	U	2340	PIT RUN	6		98.8
		3	290	395329	812517	U	2340	PIT RUN	6		98.4
		4	291	395329	812497	U	2320	PIT RUN	6		99.6
		5	292	395334	812479	U	2320	PIT RUN	6		99.3
30/08/2014	2076	2	294	395341	812578	U	2340	PIT RUN	1		98.8
		3	295	395345	812545	U	2340	PIT RUN	1		98.4
		4	296	395342	812464	U	2320	PIT RUN	7		98.2
		5	297	395334	812479	U	2320	PIT RUN	7		98.3
		6	298	395329	812497	U	2320	PIT RUN	7		99.1
		7	299	395329	812517	U	2340	PIT RUN	7		98.4
		8	300	395329	812531	U	2340	PIT RUN	7		98.2
		9	301	395342	812532	U	2340	PIT RUN	4		98.7
		10	302	395342	812518	U	2340	PIT RUN	4		98.1
		11	303	395344	812498	U	2340	PIT RUN	4		98.7
		12	304	395350	812480	U	2340	PIT RUN	4		100.2
		13	305	395358	812465	U	2340	PIT RUN	4		100.6
19/08/2014	1969	1	306	395342	812532	U	2340	PIT RUN	1		98.1
		2	307	395342	812518	U	2340	PIT RUN	1		99.1

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		3	308	395344	812498	U	2340	PIT RUN	1		98.1
		4	309	395350	812480	U	2340	PIT RUN	1		99.0
2/09/2014	2093	1	312	395345	812545	U	2340	PIT RUN	2		100.0
		2	313	395341	812578	U	2340	PIT RUN	2		100.2
		3	314	395341	812589	U	2340	PIT RUN	2		100.1
3/09/2014	2104	1	315	395340	812550	U	2340	PIT RUN	5		99.0
		2	316	395342	812532	U	2340	PIT RUN	5		99.9
		3	317	395342	812518	U	2340	PIT RUN	5		98.0
		4	318	395344	812498	U	2340	PIT RUN	5		100.2
		5	319	395350	812480	U	2340	PIT RUN	5		98.1
3/09/2014	2105	1	320	395341	812589	U	2340	PIT RUN	3		100.9
		2	321	395341	812578	U	2340	PIT RUN	3		98.8
		3	322	395345	812545	U	2340	PIT RUN	3		99.6
		2	324	395322	812584	U	2340	PIT RUN	1		98.1
		3	325	395325	812566	U	2340	PIT RUN	1		98.9
		4	326	395329	812546	U	2340	PIT RUN	1		100.3
		5	327	395329	812539	U	2340	PIT RUN	1		101.1
5/09/2014	2125	1	328	395329	812539	U	2340	PIT RUN	2		99.5
		2	329	395329	812546	U	2340	PIT RUN	2		100.8
		3	330	395325	812566	U	2340	PIT RUN	2		98.8
		4	331	395322	812584	U	2340	PIT RUN	2		100.6
12/09/2014	2186	1	339	395364	812396	U	2340	PIT RUN	6		98.6
		2	340	395361	812435	U	2340	PIT RUN	6		100.1
		3	341	395358	812465	U	2340	PIT RUN	6		99.7
		4	342	395350	812480	U	2340	PIT RUN	6		98.7
		5	343	395344	812498	U	2340	PIT RUN	6		100.1
		6	344	395329	812497	U	2340	PIT RUN	NA		9.2
		7	345	395334	812479	U	2340	PIT RUN	NA		98.7
		8	346	395342	812464	U	2340	PIT RUN	NA		98.2
		9	347	395341	812438	U	2340	PIT RUN	NA		99.9
		10	348	395351	812395	U	2340	PIT RUN	NA		99.4
15/09/2014	2209	4	352	395322	812584	U	2340	PIT RUN	3		98.2
		5	353	395325	812566	U	2340	PIT RUN	3		99.6
		6	354	395329	812546	U	2340	PIT RUN	3		98.6
		7	355	395342	812532	U	2340	PIT RUN	7		98.1
		8	356	395342	812518	U	2340	PIT RUN	7		98.5
		9	357	395343	812504	U	2340	PIT RUN	7		98.4
		10	358	395344	812498	U	2340	PIT RUN	7		98.4
		11	359	395350	812480	U	2340	PIT RUN	7		98.4
16/09/2014	2214	3	362	395341	812589	U	2340	PIT RUN	4		98.4
		4	363	395341	812578	U	2340	PIT RUN	4		98.4
		5	364	395345	812545	U	2340	PIT RUN	4		98.2
		6	365	395329	812539	U	2340	PIT RUN	4		98.0
		7	366	395329	812546	U	2340	PIT RUN	4		98.2
		8	367	395325	812566	U	2340	PIT RUN	4		98.2
		9	368	395322	812584	U	2340	PIT RUN	4		98.4
18/09/2014	2242	1	371	395343	812504	U	2340	PIT RUN	8		98.9
		2	372	395350	812480	U	2340	PIT RUN	8		103.5
		3	373	395358	812465	U	2340	PIT RUN	8		99.8
		4	374	395361	812441	U	2340	PIT RUN	8		98.6
		5	375	395362	812417	U	2340	PIT RUN	8		98.5
		7	376	395340	812550	U	2340	PIT RUN	5		98.8
		8	377	395341	812578	U	2340	PIT RUN	5		98.5
		9	378	395341	812589	U	2340	PIT RUN	5		98.5
19/09/2014	2268	1	381	395329	812539	U	2340	PIT RUN	5		99.3
		2	382	395326	812551	U	2340	PIT RUN	5		99.3
		3	383	395325	812566	U	2340	PIT RUN	5		100.2
		4	384	395322	812584	U	2340	PIT RUN	5		99.1
22/09/2014	2270	1	387	395342	812526	U	2340	PIT RUN	1		98.5
		2	388	395343	812511	U	2340	PIT RUN	1		102.2
		1	389	395342	812526	U	2340	PIT RUN	2		98.5
		2	390	395343	812511	U	2340	PIT RUN	2		98.4
		1	391	395342	812526	U	2340	PIT RUN	3		99.0
		2	392	395343	812511	U	2340	PIT RUN	3		98.4
23/09/2014	2280	1	393	395343	812511	U	2340	PIT RUN	4		98.6
		2	394	395331	812512	U	2340	PIT RUN	4		98.4
		3	395	395329	812539	U	2340	PIT RUN	6		100.3
		4	396	395326	812551	U	2340	PIT RUN	6		100.3
		5	397	395325	812566	U	2340	PIT RUN	6		101.7

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		6	398	395322	812584	U	2340	PIT RUN	6		98.9
4/07/2014	1513	1	401	395371	812319	U	2340	PIT RUN	3	1604	93.7
		2	402	395390	812321	U	2340	PIT RUN	3	1604	94.6
11/07/2014	1604	1	403	395371	812319	U	2340	PIT RUN	3		98.8
		2	404	395390	812321	U	2340	PIT RUN	3		99.0
		3	405	395394	812317	U	2340	PIT RUN	3		100.4
1/07/2014	1480	1	406	395355	812356	U	2320	PIT RUN	6	1492	97.2
		2	407	395352	812379	U	2320	PIT RUN	6	1492	96.5
		3	408	395351	812395	U	2320	PIT RUN	6	1492	94.2
		4	409	395344	812416	U	2320	PIT RUN	6	1492	91.7
		5	410	395344	812416	U	2320	PIT RUN	6	1492	90.2
		6	411	395351	812395	U	2320	PIT RUN	6	1492	95.6
		7	412	395352	812379	U	2320	PIT RUN	6	1492	95.4
		8	413	395355	812356	U	2320	PIT RUN	6	1492	95.1
		9	414	395372	812342	U	2320	PIT RUN	2		98.7
		10	415	395375	812337	U	2320	PIT RUN	2		99.1
		11	416	395390	812321	U	2320	PIT RUN	2		99.4
		12	417	395400	812313	U	2320	PIT RUN	2		99.1
2/07/2014	1492	1	418	395355	812356	U	2320	PIT RUN	6		99.1
		2	419	395352	812379	U	2320	PIT RUN	6		96.7
		3	420	395351	812395	U	2320	PIT RUN	6		97.4
		4	421	395344	812416	U	2320	PIT RUN	6		98.8
		5	422	395344	812416	U	2320	PIT RUN	6		98.3
		6	423	395351	812395	U	2320	PIT RUN	6		99.3
		7	424	395352	812379	U	2320	PIT RUN	6		96.8
		8	425	395355	812356	U	2320	PIT RUN	6		96.7
25/09/2014	2313	1	430	395343	812511	U	2340	PIT RUN	5		98.3
		2	431	395342	812526	U	2340	PIT RUN	5		98.6
3/10/2014	2427	1	453	395342	812526	U	2340	PIT RUN	6		101.9
		2	454	395340	812550	U	2340	PIT RUN	6		99.3
		3	455	395341	812578	U	2340	PIT RUN	6		102.4
		4	456	395341	812589	U	2340	PIT RUN	6		100.9
		7	474	395329	812539	U	2340	PIT RUN	8		100.0
		8	475	395326	812551	U	2340	PIT RUN	8		98.9
		9	476	395325	812566	U	2340	PIT RUN	8		98.0
		10	477	395322	812584	U	2340	PIT RUN	8		100.3
		4	483	395341	812589	U	2340	PIT RUN	7		99.5
		5	484	395341	812578	U	2340	PIT RUN	7		100.9
		6	485	395340	812550	U	2340	PIT RUN	7		99.5
14/10/2014	2518	1	486	395344	812498	U	2340	PIT RUN	8		98.0
		2	487	395342	812526	U	2340	PIT RUN	8	2536	96.9
		3	488	395340	812550	U	2340	PIT RUN	8	2536	96.6
		6	498	395322	812584	U	2340	PIT RUN	7		98.4
		7	499	395326	812551	U	2340	PIT RUN	7		99.7
		8	500	395329	812539	U	2340	PIT RUN	7		98.6
		9	501	395343	812511	U	2340	PIT RUN	6		98.7
		10	502	395342	812526	U	2340	PIT RUN	6		99.2
15/10/2014	2536	1	512	395342	812526	U	2340	PIT RUN	8	2518	99.3
		2	513	395340	812550	U	2340	PIT RUN	8	2518	98.8
		3	514	395341	812578	U	2340	PIT RUN	8		100.3
		4	515	395341	812589	U	2340	PIT RUN	8		99.1
26/01/2015	178	1	665	395841	812296	Y	2340	PIT RUN	1		98.8
		2	666	395862	812309	Y	2340	PIT RUN	1		99.0
		3	667	395883	812319	Y	2340	PIT RUN	1		98.6
		4	668	395906	812331	Y	2340	PIT RUN	1		99.1
		5	669	395924	812342	Y	2340	PIT RUN	1		99.1
		6	670	395942	812345	Y	2340	PIT RUN	1		98.2
		7	671	395966	812343	Y	2340	PIT RUN	1		99.0
28/01/2015	222	1	678	395966	812343	Y	2340	PIT RUN	1		93.6
		2	679	395966	812343	Y	2340	PIT RUN	2		98.4
		3	680	395942	812345	Y	2340	PIT RUN	2		98.5
		4	681	395924	812342	Y	2340	PIT RUN	2		99.1
		5	682	395906	812331	Y	2340	PIT RUN	2		98.7
		6	683	395883	812319	Y	2340	PIT RUN	2		98.1
		7	684	395862	812309	Y	2340	PIT RUN	2		98.6
		8	685	395841	812296	Y	2340	PIT RUN	2		99.5
29/01/2015	229	1	686	395942	812345	Y	2340	PIT RUN	3		99.7
		2	687	395924	812342	Y	2340	PIT RUN	3		98.0
		3	688	395906	812331	Y	2340	PIT RUN	3		99.0

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		4	689	395883	812319	Y	2340	PIT RUN	3		98.2
		5	690	395862	812309	Y	2340	PIT RUN	3		99.0
		6	691	395841	812296	Y	2340	PIT RUN	3		98.2
30/01/2015	243	1	692	395942	812345	Y	2340	PIT RUN	4		98.8
		2	693	395924	812342	Y	2340	PIT RUN	4		98.3
		3	694	395906	812331	Y	2340	PIT RUN	4		98.6
		4	695	395883	812319	Y	2340	PIT RUN	4		100.0
		5	696	395862	812309	Y	2340	PIT RUN	4		99.4
		6	697	395841	812296	Y	2340	PIT RUN	4		98.3
2/02/2015	268	1	698	395942	812345	Y	2340	PIT RUN	5		99.4
		2	699	395924	812342	Y	2340	PIT RUN	5		99.3
		3	700	395906	812331	Y	2340	PIT RUN	5		98.1
		4	701	395883	812319	Y	2340	PIT RUN	5		98.6
		5	702	395862	812309	Y	2340	PIT RUN	5		98.5
		6	703	395841	812296	Y	2340	PIT RUN	5		98.9
9/02/2015	316	1	704	395942	812345	Y	2340	PIT RUN	7		100.2
		2	705	395924	812342	Y	2340	PIT RUN	7		98.5
		3	706	395906	812331	Y	2340	PIT RUN	7		99.6
		4	707	395883	812319	Y	2340	PIT RUN	7		98.5
		5	708	395862	812309	Y	2340	PIT RUN	7		99.2
		6	709	395841	812296	Y	2340	PIT RUN	7		100.7
9/02/2015	317	1	710	395968	812336	Y	2340	PIT RUN	1		99.1
		2	711	395972	812319	Y	2340	PIT RUN	1		98.7
		3	712	395971	812298	Y	2340	PIT RUN	1		98.1
		4	713	395975	812278	Y	2340	PIT RUN	1		98.1
		5	714	395978	812258	Y	2340	PIT RUN	1		98.9
		6	715	395980	812240	Y	2340	PIT RUN	1		98.9
		7	716	395983	812222	Y	2340	PIT RUN	1		98.3
		8	717	395985	812202	Y	2340	PIT RUN	1		98.0
		9	718	395989	812178	Y	2340	PIT RUN	1		98.0
		10	719	395979	812173	Y	2340	PIT RUN	1		98.4
11/02/2015	348	1	720	395968	812336	Y	2340	PIT RUN	3		98.1
		2	721	395972	812319	Y	2340	PIT RUN	3		101.4
		3	722	395971	812298	Y	2340	PIT RUN	3		99.5
		4	723	395975	812278	Y	2340	PIT RUN	3		99.0
		5	724	395978	812258	Y	2340	PIT RUN	3		98.0
		6	725	395980	812240	Y	2340	PIT RUN	3		98.7
		7	726	395983	812222	Y	2340	PIT RUN	3		98.9
		8	727	395985	812202	Y	2340	PIT RUN	3		101.1
		9	728	395989	812178	Y	2340	PIT RUN	3		100.6
		10	729	395979	812173	Y	2340	PIT RUN	3		98.0
12/02/2015	368	1	730	395968	812336	Y	2340	PIT RUN	4		99.7
		2	731	395972	812319	Y	2340	PIT RUN	4		98.2
		3	732	395971	812298	Y	2340	PIT RUN	4		99.1
		4	733	395975	812278	Y	2340	PIT RUN	4		98.2
		5	734	395978	812258	Y	2340	PIT RUN	4		100.1
		6	735	395980	812240	Y	2340	PIT RUN	4		98.0
		7	736	395983	812222	Y	2340	PIT RUN	4		98.2
		8	737	395985	812202	Y	2340	PIT RUN	4		98.1
		9	738	395989	812178	Y	2340	PIT RUN	4		99.2
		10	739	395979	812173	Y	2340	PIT RUN	4		100.4
17/03/2015	739	1	740	395849	812228	Y	2340	PIT RUN	7		98.7
		2	741	395871	812228	Y	2340	PIT RUN	7		99.0
		3	742	395836	812257	Y	2340	PIT RUN	6		99.1
		4	743	395842	812271	Y	2340	PIT RUN	6		98.1
		5	744	395835	812287	Y	2340	PIT RUN	6		99.6
20/03/2015	784	1	745	395968	812336	Y	2340	PIT RUN	6		99.2
		2	746	395971	812298	Y	2340	PIT RUN	6		98.2
		3	747	395975	812278	Y	2340	PIT RUN	6		98.3
		4	748	395980	812240	Y	2340	PIT RUN	6		100.3
		5	749	395985	812202	Y	2340	PIT RUN	6		98.2
		6	750	395979	812173	Y	2340	PIT RUN	6		98.8
		7	751	395955	812167	Y	2340	PIT RUN	6		100.5
		8	752	395911	812166	Y	2340	PIT RUN	6		98.5
		9	753	395908	812196	Y	2340	PIT RUN	6		98.7
		10	754	395902	812228	Y	2340	PIT RUN	6		99.2
		11	755	395887	812228	Y	2340	PIT RUN	6		99.1
		12	756	395871	812228	Y	2340	PIT RUN	8		98.9
		13	757	395849	812228	Y	2340	PIT RUN	8		99.3

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		14	758	395836	812257	Y	2340	PIT RUN	7		98.0
		15	759	395842	812271	Y	2340	PIT RUN	7		100.4
		16	760	395835	812287	Y	2340	PIT RUN	7		99.6
31/03/2015	885	1	761	395350	812480	U	2340	PIT RUN	9		100.0
		2	762	395358	812465	U	2340	PIT RUN	9		100.0
		3	763	395361	812441	U	2340	PIT RUN	9		99.5
		4	764	395343	812504	U	2340	PIT RUN	9		98.8
		5	765	395340	812550	U	2340	PIT RUN	9		100.4
		6	766	395341	812589	U	2340	PIT RUN	9		98.1
		7	767	395322	812584	U	2340	PIT RUN	9		99.3
		8	768	395325	812566	U	2340	PIT RUN	9		99.0
		9	769	395329	812539	U	2340	PIT RUN	9		98.9
		10	770	395329	812517	U	2340	PIT RUN	9		98.8
		11	771	395329	812497	U	2340	PIT RUN	9		98.7
		12	772	395334	812479	U	2340	PIT RUN	9		98.1
24/04/2015	1148	1	773	395834	812246	Y	2340	PIT RUN	1	1247	96.2
		2	774	395799	812250	Y	2340	PIT RUN	1	1247	97.9
		3	775	395752	812245	Y	2340	PIT RUN	1	1247	96.1
		4	776	395777	812228	Y	2340	PIT RUN	1	1257	95.0
		5	777	395814	812231	Y	2340	PIT RUN	1		98.5
		6	778	395834	812228	Y	2340	PIT RUN	1		98.3
8/04/2015	953	1	779	395836	812257	Y	2340	PIT RUN	8		98.8
		2	780	395842	812271	Y	2340	PIT RUN	8		99.2
		3	781	395835	812287	Y	2340	PIT RUN	8		98.3
14/04/2015	1024	1	782	395887	812228	Y	2340	PIT RUN	10		99.5
		2	783	395871	812228	Y	2340	PIT RUN	10		99.5
		3	784	395849	812228	Y	2340	PIT RUN	10		99.6
17/04/2015	1059	1	785	395835	812287	Y	2340	PIT RUN	9		98.8
		2	786	395842	812271	Y	2340	PIT RUN	9		99.7
		3	787	395836	812257	Y	2340	PIT RUN	9		98.1
20/04/2015	1076	1	788	395932	812166	Y	2340	PIT RUN	8		100.4
		2	789	395911	812166	Y	2340	PIT RUN	8		99.3
		3	790	395911	812178	Y	2340	PIT RUN	8		99.3
		4	791	395908	812196	Y	2340	PIT RUN	8		98.3
		5	792	395908	812213	Y	2340	PIT RUN	8		98.7
		6	793	395902	812228	Y	2340	PIT RUN	8		98.8
24/04/2015	1149	1	794	395968	812336	Y	2340	PIT RUN	8		100.3
		2	795	395972	812319	Y	2340	PIT RUN	8		98.0
		3	796	395971	812298	Y	2340	PIT RUN	8		99.0
		4	797	395975	812278	Y	2340	PIT RUN	8		98.7
		5	798	395978	812258	Y	2340	PIT RUN	8		98.9
		6	799	395980	812240	Y	2340	PIT RUN	8		100.7
29/04/2015	1174	1	800	395983	812222	Y	2340	PIT RUN	11		100.2
		2	801	395842	812271	Y	2340	PIT RUN	11		100.8
		3	802	395835	812287	Y	2340	PIT RUN	11		102.0
15/04/2015	1037	1	803	395835	812287	Y	2340	PIT RUN	8		98.0
		2	804	395842	812271	Y	2340	PIT RUN	8		98.7
		3	805	395871	812228	Y	2340	PIT RUN	11		98.9
		4	806	395849	812228	Y	2340	PIT RUN	11		99.2
21/4//15	1084	1	807	395932	812166	Y	2340	PIT RUN	10		98.7
		2	808	395911	812166	Y	2340	PIT RUN	10		98.6
		3	809	395911	812178	Y	2340	PIT RUN	10		98.3
		4	810	395908	812196	Y	2340	PIT RUN	10		99.6
		5	811	395908	812213	Y	2340	PIT RUN	10		98.6
		6	812	395902	812228	Y	2340	PIT RUN	10		99.6
28/04/2015	1168	1	813	395835	812287	Y	2340	PIT RUN	10		95.5
		2	814	395836	812257	Y	2340	PIT RUN	10		100.6
		3	815	395968	812336	Y	2340	PIT RUN	9		98.2
		4	816	395971	812298	Y	2340	PIT RUN	9		98.9
		5	817	395975	812278	Y	2340	PIT RUN	9		98.3
		6	818	395980	812240	Y	2340	PIT RUN	9		98.4
		7	819	395983	812222	Y	2340	PIT RUN	9		98.2
		8	820	395985	812202	Y	2340	PIT RUN	9		99.1
23/04/2015	1113	1	821	395836	812257	Y	2340	PIT RUN	10		98.3
		2	822	395835	812287	Y	2340	PIT RUN	10		99.8
		3	823	395841	812296	Y	2340	PIT RUN	9		98.2
		4	824	395862	812309	Y	2340	PIT RUN	9		99.0
		5	825	395883	812319	Y	2340	PIT RUN	9		99.1
		6	826	395906	812331	Y	2340	PIT RUN	9		98.6

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		7	827	395942	812345	Y	2340	PIT RUN	9		98.4
4/05/2015	1205	1	828	395968	812336	Y	2340	PIT RUN	10		100.3
		2	829	395972	812319	Y	2340	PIT RUN	10		98.4
		3	830	395971	812298	Y	2340	PIT RUN	10		98.8
		4	831	395975	812278	Y	2340	PIT RUN	10		98.6
		5	832	395978	812258	Y	2340	PIT RUN	10		98.6
		6	833	395980	812240	Y	2340	PIT RUN	10		99.0
		7	834	395983	812222	Y	2340	PIT RUN	10		98.9
		8	835	395985	812202	Y	2340	PIT RUN	10		98.4
		9	836	395979	812173	Y	2340	PIT RUN	10		99.3
5/05/2015	1226	1	837	395752	812245	Y	2340	PIT RUN	1		98.4
		2	838	395764	812246	Y	2340	PIT RUN	1		98.3
		3	839	395774	812248	Y	2340	PIT RUN	1		99.2
		4	840	395787	812249	Y	2340	PIT RUN	1		98.4
		5	841	395799	812250	Y	2340	PIT RUN	1		98.1
		6	842	395821	812252	Y	2340	PIT RUN	1		99.0
6/05/2015	1246	1	843	395752	812245	Y	2340	PIT RUN	2	1148	95.1
6/05/2015	1247	1	844	395834	812246	Y	2340	PIT RUN	2	1148	98.9
		2	845	395821	812252	Y	2340	PIT RUN	2	1148	99.4
		3	846	395799	812250	Y	2340	PIT RUN	2	1148	99.2
		4	847	395787	812249	Y	2340	PIT RUN	2	1148	98.4
		5	848	395774	812248	Y	2340	PIT RUN	2	1148	98.0
		6	849	395752	812245	Y	2340	PIT RUN	2	1148/1246	98.2
7/05/2015	1257	1	850	395822	812232	Y	2340	PIT RUN	1		98.5
		2	851	395800	812230	Y	2340	PIT RUN	1		99.0
		3	852	395777	812228	Y	2340	PIT RUN	1	1148	98.8
		4	853	395755	812227	Y	2340	PIT RUN	1		99.9
7/05/2015	1276	1	854	395822	812232	Y	2340	PIT RUN	2		98.1
		2	855	395800	812230	Y	2340	PIT RUN	2		100.2
		3	856	395777	812228	Y	2340	PIT RUN	2		98.0
		4	857	395755	812227	Y	2340	PIT RUN	2		98.5
		5	858	395752	812245	Y	2340	PIT RUN	3		98.2
		6	859	395774	812248	Y	2340	PIT RUN	3		98.5
		7	860	395787	812249	Y	2340	PIT RUN	3		98.2
		8	861	395799	812250	Y	2340	PIT RUN	3		98.1
		9	862	395821	812252	Y	2340	PIT RUN	3		98.7
8/05/2015	1277	1	863	395822	812232	Y	2340	PIT RUN	3		100.7
		2	864	395800	812230	Y	2340	PIT RUN	3		99.4
		3	865	395777	812228	Y	2340	PIT RUN	3		98.1
		4	866	395755	812227	Y	2340	PIT RUN	3		98.0
		5	867	395752	812245	Y	2340	PIT RUN	4		98.8
		6	868	395774	812248	Y	2340	PIT RUN	4		98.4
		7	869	395787	812249	Y	2340	PIT RUN	4		98.5
		8	870	395799	812250	Y	2340	PIT RUN	4		99.1
		9	871	395821	812252	Y	2340	PIT RUN	4		99.7
8/05/2015	1304	1	872	395821	812252	Y	2340	PIT RUN	5		100.0
		2	873	395799	812250	Y	2340	PIT RUN	5		98.3
		3	874	395787	812249	Y	2340	PIT RUN	5		98.4
		4	875	395774	812248	Y	2340	PIT RUN	5		98.6
		5	876	395752	812245	Y	2340	PIT RUN	5		98.7
11/05/2015	1305	1	877	395752	812245	Y	2340	PIT RUN	6		98.9
		2	878	395774	812248	Y	2340	PIT RUN	6		99.7
		3	879	395787	812249	Y	2340	PIT RUN	6		98.6
		4	880	395799	812250	Y	2340	PIT RUN	6		98.0
		5	881	395821	812252	Y	2340	PIT RUN	6		100.0
		6	882	395822	812232	Y	2340	PIT RUN	4		100.8
		7	883	395800	812230	Y	2340	PIT RUN	4		99.9
		8	884	395777	812228	Y	2340	PIT RUN	4		100.0
		9	885	395755	812227	Y	2340	PIT RUN	4		99.4
12/05/2015	1331	1	886	395822	812232	Y	2340	PIT RUN	5		98.1
		2	887	395800	812230	Y	2340	PIT RUN	5		99.1
		3	888	395777	812228	Y	2340	PIT RUN	5		98.4
		4	889	395755	812227	Y	2340	PIT RUN	5		99.2
		5	890	395752	812245	Y	2340	PIT RUN	7		99.6
		6	891	395774	812248	Y	2340	PIT RUN	7		98.8
		7	892	395787	812249	Y	2340	PIT RUN	7		99.3
		8	893	395799	812250	Y	2340	PIT RUN	7		98.5
		9	894	395821	812252	Y	2340	PIT RUN	7		98.4
13/05/2015	1347	1	895	395887	812228	Y	2340	PIT RUN	11	1372	96.4

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		2	896	395902	812228	Y	2340	PIT RUN	11	1372	96.2
13/05/2015	1348	1	897	395755	812227	Y	2340	PIT RUN	6		98.1
		2	898	395777	812228	Y	2340	PIT RUN	6	1373	95.0
		3	899	395800	812230	Y	2340	PIT RUN	6	1373	95.3
		4	900	395822	812232	Y	2340	PIT RUN	6	1373	94.5
14/05/2015	1372	1	901	395887	812228	Y	2340	PIT RUN	11	1347	98.6
		2	902	395902	812228	Y	2340	PIT RUN	11	1347	98.1
		3	903	395908	812213	Y	2340	PIT RUN	11		100.2
		4	904	395908	812196	Y	2340	PIT RUN	11		98.8
		5	905	395911	812178	Y	2340	PIT RUN	11		99.7
		6	906	395911	812166	Y	2340	PIT RUN	11		99.3
		7	907	395932	812166	Y	2340	PIT RUN	11		98.4
		8	908	395955	812167	Y	2340	PIT RUN	11		98.9
		9	909	395979	812173	Y	2340	PIT RUN	11		98.1
14/05/2015	1373	1	910	395814	812231	Y	2340	PIT RUN	6	1348	98.0
		2	911	395822	812232	Y	2340	PIT RUN	6	1348	98.8
		3	912	395800	812230	Y	2340	PIT RUN	6	1348	98.4
		4	913	395777	812228	Y	2340	PIT RUN	6	1348	100.2
		5	914	395766	812234	Y	2340	PIT RUN	6	1348	98.0
		6	915	395755	812227	Y	2340	PIT RUN	6	1348	98.5
14/05/2015	1389	1	916	395755	812227	Y	2340	PIT RUN	7		101.7
		2	917	395777	812228	Y	2340	PIT RUN	7		100.8
		3	918	395800	812230	Y	2340	PIT RUN	7		101.7
		4	919	395822	812232	Y	2340	PIT RUN	7		100.5
18/05/2015	1403	1	920	395752	812245	Y	2340	PIT RUN	8		98.3
		2	921	395774	812248	Y	2340	PIT RUN	8		100.1
		3	922	395787	812249	Y	2340	PIT RUN	8		99.6
		4	923	395799	812250	Y	2340	PIT RUN	8		101.1
		5	924	395821	812252	Y	2340	PIT RUN	8		99.2
18/05/2015	1412	1	925	395829	812236	Y	2340	PIT RUN	1		99.1
		2	926	395808	812236	Y	2340	PIT RUN	1		98.5
		3	927	395784	812234	Y	2340	PIT RUN	1		98.9
		4	928	395766	812234	Y	2340	PIT RUN	1		99.7
19/05/2015	1421	1	929	395829	812236	Y	2340	PIT RUN	2		98.6
		2	930	395808	812236	Y	2340	PIT RUN	2		98.2
		3	931	395784	812234	Y	2340	PIT RUN	2		99.3
		4	932	395766	812234	Y	2340	PIT RUN	2		99.5
21/05/2015	1452	1	933	395711	812243	Y	2340	PIT RUN	1		101.1
		2	934	395688	812242	Y	2340	PIT RUN	1		98.1
		3	935	395664	812242	Y	2340	PIT RUN	1		98.8
22/05/2015	1472	1	936	395711	812243	Y	2340	PIT RUN	2		98.7
		2	937	395688	812242	Y	2340	PIT RUN	2		100.9
		3	938	395664	812242	Y	2340	PIT RUN	2		98.3
25/05/2015	1482	1	939	395722	812222	Y	2340	PIT RUN	2		98.6
		2	940	395704	812221	Y	2340	PIT RUN	2		99.3
		3	941	395684	812220	Y	2340	PIT RUN	2		99.5
		4	942	395664	812221	Y	2340	PIT RUN	2		98.0
25/05/2015	1483	1	943	395711	812243	Y	2340	PIT RUN	3		98.3
		2	944	395688	812242	Y	2340	PIT RUN	3		98.5
		3	945	395664	812242	Y	2340	PIT RUN	3		98.9
25/05/2015	1494	1	946	395722	812222	Y	2340	PIT RUN	2		100.5
		2	947	395704	812221	Y	2340	PIT RUN	2		98.7
		3	948	395684	812220	Y	2340	PIT RUN	2		99.5
		4	949	395664	812221	Y	2340	PIT RUN	2		98.4
26/05/2015	1497	1	950	395722	812222	Y	2340	PIT RUN	3		99.6
		2	951	395704	812221	Y	2340	PIT RUN	3		100.6
		3	952	395684	812220	Y	2340	PIT RUN	3		98.8
		4	953	395664	812221	Y	2340	PIT RUN	3		99.7
26/05/2015	1518	1	954	395722	812222	Y	2340	PIT RUN	4		100.1
		2	955	395704	812221	Y	2340	PIT RUN	4		98.4
		3	956	395684	812220	Y	2340	PIT RUN	4		98.2
		4	957	395664	812221	Y	2340	PIT RUN	4		99.1
		5	958	395638	812220	Y	2340	PIT RUN	1		100.0
		6	959	395609	812220	Y	2340	PIT RUN	1		99.6
		7	960	395584	812216	Y	2340	PIT RUN	1		98.3
26/05/2015	1519	1	961	395711	812243	Y	2340	PIT RUN	4		99.5
		2	962	395688	812242	Y	2340	PIT RUN	4		100.3
		3	963	395664	812242	Y	2340	PIT RUN	4		99.0
		4	964	395640	812240	Y	2340	PIT RUN	4		99.8