

GLADSTONE TESTING

SOILS and CONCRETE MATERIALS TESTING

N.A.T.A. Accredited Laboratory No.1620

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Laboratory Address:Shop 1, 16 Drewe Street, Gladstone, 4680

Phone 0749721455;FAX 0749727939

Enquiries to:Noel Harvey.

CLIENT:Shadforth Civil Engineering

PROJECT: Lot 30, Vantage Estate stage 2

LOCATION:Allotment fill - Lot as per shown summary

Level 1 Inspection & Supervision as per Test frequency, Table 8.1/Type 2

and designated as " Controlled fill", as defined by AS2870-1996

Persons on site: Noel Harvey;Mark Dobson;Brayd Johns;Michael Wogandt;James Roberts;Chris Oliver & Lee Ward of Gladstone Testing.

Laboratory Reference:S1/0135

General Comments:

Vantage 1 and 2 fill started 1st September,2009

Site was inspected . The last few piles of rubbish were being carted away at the inspection.

Equipment:

Equipment used over that period included scrapers; excavators; backhoes;graders;water trucks;sheepsfoot rollers; tip trucks etc.

Fill Areas:

The main fill areas of Vantage 2 was from lots 9 to 13 and lots 78&79

The remaining lots had little or no significant fill.

Lot 30 Fill :

Vantage 2 fill areas were not confined to single lots & a "fill area" maybe could cover several lots & the tests were randomly selected. Lot 30 sloped from the lot front to the lot back . There were no tests on lot 30.

Fill was minimal over most of the lot and of very little depth [up to 0.3m].

The probable house footing area would have the footings sitting on natural.

Fill History:

The bulk of the lot fill was done in the first 2 months for Vantage stage 1 & 2.

Compaction Quality:

The % compaction for the lot fill was adequate & the moisture control was good.

Fill was clean of foreign matter & sticks, wood etc.

I am more than happy to verify the quality of fill on lot 30, Vantage stage 2 allotment fill.

Report No:S 0050-17
Dated :28thJanuary,2011



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Enquiries to:Noel Harvey.

CLIENT:Shadforth Civil Engineering

PROJECT: Lot 31, Vantage Estate stage 2

LOCATION:Allotment fill - Lot as per shown summary

Level 1 Inspection & Supervision as per Test frequency, Table 8.1/Type 2

and designated as " Controlled fill", as defined by AS2870-1996

Persons on site: Noel Harvey;Mark Dobson;Brayd Johns;Michael Wogandt;James Roberts;Chris Oliver & Lee Ward of Gladstone Testing.

Laboratory Reference:S1/0136

General Comments:

Vantage 1 and 2 fill started 1st September,2009

Site was inspected . The last few piles of rubbish were being carted away at the inspection.

Equipment:

Equipment used over that period included scrapers; excavators; backhoes;graders;water trucks;sheepsfoot rollers; tip trucks etc.

Fill Areas:

The main fill areas of Vantage 2 was from lots 9 to 13 and lots 78&79

The remaining lots had little or no significant fill.

Lot 31 Fill :

Vantage 2 fill areas were not confined to single lots & a "fill area" maybe could cover several lots & the tests were randomly selected. Lot 31 sloped from the lot front to the lot back . There were no tests on lot 31.

Fill was minimal over the left half of the lot and of very little depth [up to 0.3m].

The probable house footing area would have the footings sitting on natural.

Fill History:

The bulk of the lot fill was done in the first 2 months for Vantage stage 1 & 2.

Compaction Quality:

The % compaction for the lot fill was adequate & the moisture control was good.

Fill was clean of foreign matter & sticks, wood etc.

I am more than happy to verify the quality of fill on lot 31, Vantage stage 2 allotment fill.

Report No:S 0051-1
Dated :28thJanuary,2011



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Enquiries to:Noel Harvey.

CLIENT:Shadforth Civil Engineering

PROJECT: Lot 32, Vantage Estate stage 2

LOCATION:Allotment fill - Lot as per shown summary

Level 1 Inspection & Supervision as per Test frequency, Table 8.1/Type 2

and designated as " Controlled fill", as defined by AS2870-1996

Persons on site: Noel Harvey;Mark Dobson;Brayd Johns;Michael Wogandt;James Roberts;Chris Oliver & Lee Ward of Gladstone Testing.

Laboratory Reference:S1/0137

General Comments:

Vantage 1 and 2 fill started 1st September,2009

Site was inspected . The last few piles of rubbish were being carted away at the inspection.

Equipment:

Equipment used over that period included scrapers; excavators; backhoes;graders;water trucks;sheepsfoot rollers; tip trucks etc.

Fill Areas:

The main fill areas of Vantage 2 was from lots 9 to 13 and lots 78&79

The remaining lots had little or no significant fill.

Lot 32 Fill :

Vantage 2 fill areas were not confined to single lots & a "fill area" maybe could cover several lots & the tests were randomly selected. Lot 32 sloped from the lot left to the lot right . There were no tests on lot 32.

Fill was a 1 to 2 metre strip along right side of lot and very little depth.

The probable house footing area would either miss this fill or have the footings sitting on natural.

Fill History:

The bulk of the lot fill was done in the first 2 months for Vantage stage 1 & 2.

Compaction Quality:

The % compaction for the lot fill was adequate & the moisture control was good.

Fill was clean of foreign matter & sticks, wood etc.

I am more than happy to verify the quality of fill on lot 32, Vantage stage 2 allotment fill.

Report No:S 0051-2
Dated :28thJanuary,2011



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Enquiries to:Noel Harvey.

CLIENT:Shadforth Civil Engineering

PROJECT: Lot 33, Vantage Estate stage 2

LOCATION:Allotment fill - Lot as per shown summary

Level 1 Inspection & Supervision as per Test frequency, Table 8.1/Type 2

and designated as " Controlled fill", as defined by AS2870-1996

Persons on site: Noel Harvey;Mark Dobson;Brayd Johns;Michael Wogandt;James Roberts;Chris Oliver & Lee Ward of Gladstone Testing.

Laboratory Reference:S1/0138

General Comments:

Vantage 1 and 2 fill started 1st September,2009

Site was inspected . The last few piles of rubbish were being carted away at the inspection.

Equipment:

Equipment used over that period included scrapers; excavators; backhoes;graders;water trucks;sheepsfoot rollers; tip trucks etc.

Fill Areas:

The main fill areas of Vantage 2 was from lots 9 to 13 and lots 78&79

The remaining lots had little or no significant fill.

Lot 33 Fill :

Vantage 2 fill areas were not confined to single lots & a "fill area" maybe could cover several lots & the tests were randomly selected. Lot 33 sloped from the lot left to the lot right . There were no tests on lot 33.

Fill was very shallow[maximum 0.3m fill] & over most of lot.

The probable house footing area would have the footings sitting on natural.

Fill History:

The bulk of the lot fill was done in the first 2 months for Vantage stage 1 & 2.

Compaction Quality:

The % compaction for the lot fill was adequate & the moisture control was good.

Fill was clean of foreign matter & sticks, wood etc.

I am more than happy to verify the quality of fill on lot 33, Vantage stage 2 allotment fill.

Report No:S 0051-3
Dated :28thJanuary,2011



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Enquiries to:Noel Harvey.

CLIENT:Shadforth Civil Engineering

PROJECT: Lot 34, Vantage Estate stage 2

LOCATION:Allotment fill - Lot as per shown summary

Level 1 Inspection & Supervision as per Test frequency, Table 8.1/Type 2

and designated as " Controlled fill", as defined by AS2870-1996

Persons on site: Noel Harvey;Mark Dobson;Brayd Johns;Michael Wogandt;James Roberts;Chris Oliver & Lee Ward of Gladstone Testing.

Laboratory Reference:S1/0139

General Comments:

Vantage 1 and 2 fill started 1st September,2009

Site was inspected . The last few piles of rubbish were being carted away at the inspection.

Equipment:

Equipment used over that period included scrapers; excavators; backhoes;graders;water trucks;sheepsfoot rollers; tip trucks etc.

Fill Areas:

The main fill areas of Vantage 2 was from lots 9 to 13 and lots 78&79

The remaining lots had little or no significant fill.

Lot 34 Fill :

Vantage 2 fill areas were not confined to single lots & a "fill area" maybe could cover several lots & the tests were randomly selected. Lot 34 sloped from the lot front right to the lot left rear . There were no tests on lot 34.

Fill was very shallow[maximum 0.3m fill] & only over the front left corner of lot.

The probable house footing area would probably be all on natural.

Fill History:

The bulk of the lot fill was done in the first 2 months for Vantage stage 1 & 2.

Compaction Quality:

The % compaction for the lot fill was adequate & the moisture control was good.

Fill was clean of foreign matter & sticks, wood etc.

I am more than happy to verify the quality of fill on lot 34, Vantage stage 2 allotment fill.

**Report No:S 0051-4
Dated :28thJanuary,2011**



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Enquiries to:Noel Harvey.

CLIENT:Shadforth Civil Engineering

PROJECT: Lot 35, Vantage Estate stage 2

LOCATION:Allotment fill - Lot as per shown summary

Level 1 Inspection & Supervision as per Test frequency, Table 8.1/Type 2

and designated as " Controlled fill", as defined by AS2870-1996

Persons on site: Noel Harvey;Mark Dobson;Brayd Johns;Michael Wogandt;James Roberts;Chris Oliver & Lee Ward of Gladstone Testing.

Laboratory Reference:S1/0140

General Comments:

Vantage 1 and 2 fill started 1st September,2009

Site was inspected . The last few piles of rubbish were being carted away at the inspection.

Equipment:

Equipment used over that period included scrapers; excavators; backhoes;graders;water trucks;sheepsfoot rollers; tip trucks etc.

Fill Areas:

The main fill areas of Vantage 2 was from lots 9 to 13 and lots 78&79

The remaining lots had little or no significant fill.

Lot 35 Fill :

Vantage 2 fill areas were not confined to single lots & a "fill area" maybe could cover several lots & the tests were randomly selected. Lot 35 sloped from the lot front right to the lot left rear . There were no tests on lot 35.

Fill was very shallow[maximum 0.3m fill] & only over the back left corner of lot.

The probable house footing area would probably be all on natural.

Fill History:

The bulk of the lot fill was done in the first 2 months for Vantage stage 1 & 2.

Compaction Quality:

The % compaction for the lot fill was adequate & the moisture control was good.

Fill was clean of foreign matter & sticks, wood etc.

I am more than happy to verify the quality of fill on lot 35, Vantage stage 2 allotment fill.

**Report No:S 0051-5
Dated :28thJanuary,2011**



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Enquiries to:Noel Harvey.

CLIENT:Shadforth Civil Engineering

PROJECT: Lot 77, Vantage Estate stage 2

LOCATION:Allotment fill - Lot as per shown summary

Level 1 Inspection & Supervision as per Test frequency, Table 8.1/Type 2

and designated as " Controlled fill", as defined by AS2870-1996

Persons on site: Noel Harvey;Mark Dobson;Brayd Johns;Michael Wogandt;James Roberts;Chris Oliver & Lee Ward of Gladstone Testing.

Laboratory Reference:S1/0141

General Comments:

Vantage 1 and 2 fill started 1st September,2009

Site was inspected . The last few piles of rubbish were being carted away at the inspection.

Equipment:

Equipment used over that period included scrapers; excavators; backhoes;graders;water trucks;sheepsfoot rollers; tip trucks etc.

Fill Areas:

The main fill areas of Vantage 2 was from lots 9 to 13 and lots 78&79

The remaining lots had little or no significant fill.

Lot 77 Fill :

Vantage 2 fill areas were not confined to single lots & a "fill area" maybe could cover several lots & the tests were randomly selected. Lot 77 sloped from the lot back left to the lot front right . There were no tests on lot 77.

Fill was very shallow[maximum 0.3m fill] & only over the front right corner of lot.

The probable house footing area would probably be all on natural.

Fill History:

The bulk of the lot fill was done in the first 2 months for Vantage stage 1 & 2.

Compaction Quality:

The % compaction for the lot fill was adequate & the moisture control was good.

Fill was clean of foreign matter & sticks, wood etc.

I am more than happy to verify the quality of fill on lot 77, Vantage stage 2 allotment fill.

Report No:S 0051-6
Dated :28thJanuary,2011



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Enquiries to:Noel Harvey.

CLIENT:Shadforth Civil Engineering

PROJECT: Lot 78, Vantage Estate stage 2

LOCATION:Allotment fill - Lot as per shown summary

Level 1 Inspection & Supervision as per Test frequency, Table 8.1/Type 2

and designated as " Controlled fill", as defined by AS2870-1996

Persons on site: Noel Harvey;Mark Dobson;Brayd Johns;Michael Wogandt;James Roberts;Chris Oliver & Lee Ward of Gladstone Testing.

Laboratory Reference:S1/0142

General Comments:

Vantage 1 and 2 fill started 1st September,2009

Site was inspected . The last few piles of rubbish were being carted away at the inspection.

Equipment:

Equipment used over that period included scrapers; excavators; backhoes;graders;water trucks;sheepsfoot rollers; tip trucks etc.

Fill Areas:

The main fill areas of Vantage 2 was from lots 9 to 13 and lots 78&79

The remaining lots had little or no significant fill.

Lot 78 Fill :

Vantage 2 fill areas were not confined to single lots & a "fill area" maybe could cover several lots & the tests were randomly selected. Lot 78 sloped from the lot back left to the lot front right . There were no tests on lot 78.

There were tests on the lot behind, one of which was close to the rear boundary[test 65]

Fill was over the front part of lot & was maybe a metre deep at front right corner of lot.

The probable house footing area would probably be on natural except for the front right corner which would be maybe a half metre only.

DATE	CLIENT NO	LAB.NO	LOCATION	OFFSET	LEVEL	% COMP.	MOISTURE
14-Sep-2009	22	S9/2415	Lot 53	E 319473.785, N 7357213.0	RL 26.1	96.0	-3.5
14-Sep-2009	24	S9/2443	Lot 53	E 319479.054, N 7357208.54	RL 27.4	105.5	-1.5
15-Sep-2009	27	S9/2456	Lot 53	E 319476.3, N 7357166.7	RL 28.0	109.0	-0.5
17-Sep-2009	32	S9/2523	Lot 53	E 319475.827, N 7357202.780	RL 28.7	107.5	-2.0
22-Sep-2009	46	S9/2590	Lot 52/53	E 319479.890, N 7357212.654	RL 28.9	95.5	1.0
25-Sep-2009	62	S9/2712	Lot 53	E 319472.661, N 7357197.733	RL 30.36	102.0	-1.0
28-Sep-2009	65	S9/2732	Lot 53	Rear, E 319456.461, N 7357216.262	RL 30.4	98.0	-3.0

Fill History:

The bulk of the lot fill was done in the first 2 months for Vantage stage 1 & 2.

Compaction Quality:

The % compaction for the lot fill was adequate & the moisture control was good.

Fill was clean of foreign matter & sticks, wood etc.

I am more than happy to verify the quality of fill on lot 78, Vantage stage 2 allotment fill.

Report No:S 0051-7
Dated :28thJanuary,2011



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Enquiries to:Noel Harvey.

CLIENT:Shadforth Civil Engineering

PROJECT: Lot 79, Vantage Estate stage 2

LOCATION:Allotment fill - Lot as per shown summary

Level 1 Inspection & Supervision as per Test frequency, Table 8.1/Type 2

and designated as " Controlled fill", as defined by AS2870-1996

Persons on site: Noel Harvey;Mark Dobson;Brayd Johns;Michael Wogandt;James Roberts;Chris Oliver & Lee Ward of Gladstone Testing.

Laboratory Reference:S1/0143

General Comments:

Vantage 1 and 2 fill started 1st September,2009

Site was inspected . The last few piles of rubbish were being carted away at the inspection.

Equipment:

Equipment used over that period included scrapers; excavators; backhoes;graders;water trucks;sheepsfoot rollers; tip trucks etc.

Fill Areas:

The main fill areas of Vantage 2 was from lots 9 to 13 and lots 78&79

The remaining lots had little or no significant fill.

Lot 79 Fill :

Vantage 2 fill areas were not confined to single lots & a "fill area" maybe could cover several lots & the tests were randomly selected. Lot 79 sloped from the lot back left to the lot front right . There were no tests on lot 79.

There were tests on the lot behind as shown.

Fill was over the front two thirds of lot & was deepest at the front right corner of lot.

The probable house footing area would probably be on natural at the back left corner & fill for the remainder.

Fill depth would be up to 1.5metres at front right of lot.

DATE	CLIENT NO	LAB.NO	LOCATION	OFFSET	LEVEL	% COMP.	MOISTURE
18-Sep-2009	37	S9/2536	Lot 52	E 319477.268, N 7357216.532	RL 28.0	101.0	-3.0
21-Sep-2009	43	S9/2584	Lot 52	E 319484.629, N 7357226.045	RL 28.3	95.0	-2.0
22-Sep-2009	46	S9/2590	Lot 52/53	E 319479.890, N 7357212.654	RL 28.9	95.5	1.0
22-Sep-2009	48	S9/2607	Lot 52	E 319481.892, N 7357222.716	RL 28.4	102.0	-1.0
23-Sep-2009	54	S9/2643	Lot 52	E 319476.981, N 7357224.455	RL 28.6	104.5	-4.5
24-Sep-2009	59	S9/2670	Lot 52	E 319467.706, N 7357227.449	RL 28.76	105.0	-2.5

Fill History:

The bulk of the lot fill was done in the first 2 months for Vantage stage 1 & 2.

Compaction Quality:

The % compaction for the lot fill was adequate & the moisture control was good.

Fill was clean of foreign matter & sticks, wood etc.

I am more than happy to verify the quality of fill on lot 79, Vantage stage 2 allotment fill.

Report No:S 0051-8
Dated :28thJanuary,2011



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Enquiries to:Noel Harvey.

CLIENT:Shadforth Civil Engineering

PROJECT: Vantage Estate stage 2

LOCATION:Allotment fill - Lots as per shown summary

Level 1 Inspection & Supervision as per Test frequency, Table 8.1/Type 2

and designated as " Controlled fill", as defined by AS2870-1996

Persons on site: Noel Harvey;Mark Dobson;Brayd Johns;Michael Wogandt;James Roberts;Chris Oliver & Lee Ward of Gladstone Testing.

Laboratory Reference:S1/0144

General Comments:

Vantage 1 and 2 fill started 1st September,2009

Site was inspected . The last few piles of rubbish were being carted away at the inspection.

Equipment:

Equipment used over that period included scrapers; excavators; backhoes;graders;water trucks;sheepsfoot rollers; tip trucks etc.

Fill Areas:

The main fill areas of Vantage 2 was from lots 9 to 13 and lots 78&79

The remaining lots had little or no significant fill.

Lot Fill :

Vantage 2 fill areas were not confined to single lots & a "fill area" maybe could cover several lots & the tests were randomly selected.

Lots filled were lots 9 to 13; 15 to 18; 29 to35; & 77 to 79.

Lots with insignificant or no fill were lots 8; 14; 19 to 28; 36 to 42 & 72 to 76.

Fill History:

The bulk of the lot fill was done in the first 2 months for Vantage stage 1 & 2.

Compaction Quality:

The % compaction for the lot fill was adequate & the moisture control was good.

Fill was clean of foreign matter & sticks, wood etc.

I am more than happy to verify the quality of fill on Vantage stage 2 allotment fill.

Report No:S 0051-9
Dated :28thJanuary,2011



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