Ph: 03 9464 4617 Fax: 03 9464 4618



GS3711.3 19 April 2016

GPR Consulting Suite 217/202 Jells Road WHEELERS HILL VIC 3150

# RE: CONTROLLED FILL CERTIFICATE LOT NO 101, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 101 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 102, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 102 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 103, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 103 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 104, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 104 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 105, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 105 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 106, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 106 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 107, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 107 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 108, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 108 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 109, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 109 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 110, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 110 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

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While moisture conditioning of fill sources aids in the ease with which compaction is achieved, it is not necessarily a physical characteristic that determines if the placed fill is acceptable. Ground Science adopts a best practice policy with stripped base soils and all fill placements to be suitably moisture conditioned. This aids in creating a homogenous soil moisture and limits abnormal moisture changes for footing systems constructed on the fill platform. Creating a consolidated platform of which is similar to surrounding natural conditions is the primary aim of the Level 1 processes and assists in minimising the occurrence of differential ground movements to footing structures. The full report may be viewed or obtained from the contractor's sales office should the need arise.

Acacia Estate Stage 1 Botanic Ridge

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 111, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 111 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 112, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 112 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 114, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 114 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 115, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 115 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 116, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 116 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 117, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 117 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 118, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 118 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 119, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 119 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 120, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 120 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

Ph: 03 9464 4617 Fax: 03 9464 4618



GS3711.3 19 April 2016

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 121, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 121 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

While moisture conditioning of fill sources aids in the ease with which compaction is achieved, it is not necessarily a physical characteristic that determines if the placed fill is acceptable. Ground Science adopts a best practice policy with stripped base soils and all fill placements to be suitably moisture conditioned. This aids in creating a homogenous soil moisture and limits abnormal moisture changes for footing systems constructed on the fill platform. Creating a consolidated platform of which is similar to surrounding natural conditions is the primary aim of the Level 1 processes and assists in minimising the occurrence of differential ground movements to footing structures. The full report may be viewed or obtained from the contractor's sales office should the need arise.

Acacia Estate Stage 1 Botanic Ridge

Ph: 03 9464 4617 Fax: 03 9464 4618



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## RE: CONTROLLED FILL CERTIFICATE LOT NO 122, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 122 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

Ph: 03 9464 4617 Fax: 03 9464 4618



GS3711.3 26 May 2016

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 129, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 129 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

Ph: 03 9464 4617 Fox: 03 9464 4618



GS3711.3 26 May 2016

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 130, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 130 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 131, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 131 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 136, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 136 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 137, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 137 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 138, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 138 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 139, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 139 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 140, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 140 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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## RE: CONTROLLED FILL CERTIFICATE LOT NO 141, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 141 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 142, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 142 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 143, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 143 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 144, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 144 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 145, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 145 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 146, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 146 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 147, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 147 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 148, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 148 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

Ph: 03 9464 4617 Fax: 03 9464 4618



GS3711.3 19 April 2016

GPR Consulting Suite 217/202 Jells Road WHEELERS HILL VIC 3150

# RE: CONTROLLED FILL CERTIFICATE LOT NO 149, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 149 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

Ph: 03 9464 4617 Fox: 03 9464 4618



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GPR Consulting Suite 217/202 Jells Road WHEELERS HILL VIC 3150

# RE: CONTROLLED FILL CERTIFICATE LOT NO 150, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 150 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

Ph: 03 9464 4617 Fox: 03 9464 4618



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# RE: CONTROLLED FILL CERTIFICATE LOT NO 151, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 151 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 152, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 152 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

Ph: 03 9464 4617 Fax: 03 9464 4618



GS3711.3 19 April 2016

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 153, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 153 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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GS3711.3 19 April 2016

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 154, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 154 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

Ph: 03 9464 4617 Fax: 03 9464 4618



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# RE: CONTROLLED FILL CERTIFICATE LOT NO 155, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 155 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 156, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 156 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 157, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 157 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 158, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 158 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 159, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 159 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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GS3711.3 19 April 2016

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 160, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 160 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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GS3711.3 19 April 2016

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 161, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 161 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

Ph: 03 9464 4617 Fox: 03 9464 4618



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# RE: CONTROLLED FILL CERTIFICATE LOT NO 162, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 162 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.

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# RE: CONTROLLED FILL CERTIFICATE LOT NO 163, ACACIA ESTATE, STAGE 1, BOTANIC RIDGE, VICTORIA

Ground Science Pty Ltd wishes to advise the prospective owner/builder that the construction of Lot 163 located at in Acacia Ridge in Botanic Ridge involved the placement and compaction of controlled fill through Level 1 procedures on nominated areas. We were engaged by GPR Consulting (nominated estate constructors) to perform Level 1 Inspection and Testing for the controlled fill placement in accordance with AS3798 'Guidelines on Earthworks for Commercial and Residential Developments' (2007) on this property. The depth and location of the controlled fill and results of compaction control testing and Perth sand penetrometer testing are detailed in the Ground Science report reference GS3711.1AA dated 15 April 2016. We certify that all fill placement completed on this lot as detailed in our report complies with the requirements of AS3798 (2007).

The purpose of performing Level 1 Inspection and Testing is to ensure the quality of the filling process and to minimise the costs of extensive testing. The engagement of a Geotechnical Inspection & Testing Authority (GITA) allows the contractor to perform his role in the construction of the filling operation while the GITA monitors the quality control process of the operation. The visual observations of thorough processors and work practises by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to receive a test result. The GITA will however, carry out random spot checks of the filling operations throughout the days production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a days production, the GITA will sign off the completed works as satisfactory.