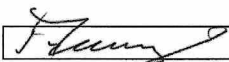


BLOCK BASEMENT **WATERPROOFING**

Producer Statement Construction (PS3) / Memorandum of Completion and Compliance

Issued by: <small>(Construction Reviewer)</small>	Rob Furnage	Building Consent number	DD007.2021.00043914.001
Company Name:	Waikato Waterproofing		
To:	<input checked="" type="checkbox"/> Hamilton City Council <input type="checkbox"/> Hauraki District Council <input type="checkbox"/> Matamata-Piako District Council <input type="checkbox"/> Otorohanga District Council <input type="checkbox"/> Thames-Coromandel District Council <input type="checkbox"/> Waikato District Council <input type="checkbox"/> Waipa District Council <input type="checkbox"/> Waitomo District Council		
Waikato Building Consent Group Reg. No.:	0261	Expiry Date:	10/07/23 Other No. (specify):
Owner:	MARTIN JOSEPH CAMERON AND JACQUELINE SARAH ANNE CAMERON		
Project Address:	136 STATE HIGHWAY 26, RD 6, NEWSTEAD, HAMILTON		
Lot:	2	DP:	556335
Description of Building Work:			
Scope of work covered by statement:	Tanking of block retaining walls		
System / Product used (if applicable):	Allnex Bituthene 3000		
I (Construction Reviewer's name):	Waikato Waterproofing		
have been engaged by (owner/developer/contractor):	MARTIN CAMERON		
In respect of (tick applicable):			
<input checked="" type="checkbox"/> The requirements of the Building Regulations 1992, Clause(s): <small>(Please be specific e.g. E2.3.5)</small>	E2		
<input type="checkbox"/> Alternative Solution(s):			
for the building work described by the drawings and specifications prepared by the design firm titled:			
numbered:		<input type="checkbox"/> Copies attached	
authorised amendments(s): <small>(if applicable)</small>		<input type="checkbox"/> Copies attached	
<ul style="list-style-type: none"><input checked="" type="checkbox"/> I have sighted the Building Consent and read the Advisory Notes. I can confirm that the building works have been carried out in accordance with the requirements of the New Zealand Building Code, the Building Consent, the design drawings and specifications, and in accordance with the listed amendments (if any).<input checked="" type="checkbox"/> I confirm that all work I have undertaken has been within the scope of my skills, knowledge, and experience. I have remained within the scope of works set for me by the *Waikato Building Consent Group Producer Statement Author register (if applicable).<input checked="" type="checkbox"/> I understand that this Statement, if accepted, may be relied upon for the purpose of establishing compliance with the Building Code and the Building Consent.<input checked="" type="checkbox"/> I am satisfied the building work complies with the requirements of the Building Consent and the New Zealand Building Code.			
Signed by <small>(Construction Reviewer):</small>		Name of Constructor <small>(Print clearly):</small>	Rob Furnage
Date:	17/10/2022	Address: 16 Northway St, Te Rapa, Hamilton	
Ph:		Mb:	0274 928 097 Email: info@waikatowaterproofing.co.nz
Qualifications / Experience:	BP114286		

*The Waikato Building Consent Group Producer Statement Author register is held by the Waikato Building Consent Group, Email: info@buildwaikato.co.nz For information on the Waikato Building Consent Group visit the [Build Waikato](https://www.waikatowaterproofing.co.nz) website.

ACOUSTIC

TESTING

Acoustics Certificates Ltd.

Acoustics Certificates Ltd.

021 226 8784 (021 acoustics)

bob@aenz.co.nz

www.acoustics-certificates.co.nz

PO Box 3197,
Greerton Mail Centre,
Tauranga 3142.

Cory Lang

Building Inspections Unit
Hamilton City Council.

Re: 136 State Highway 26, RD6, Newstead, Hamilton Lot 2 B 2021 43914 G6 soundproofing inspection 9-8-2023.

Level	Apartment	Area	-	Level	Apartment	Area	IIC
1	1	Bathroom		Ground	1	Kitchen	44
1	1	Toilet		Ground	1	Bedroom	48
Level	Apartment	Area		Level	Apartment	Area	STC
1	1	Bedroom		Ground	1	Lounge	55

Comments:

The NZBC G6 minimum onsite compliance rating is IIC and STC 50 or higher. Councils also have the option of accepting compliance under the best practical option pathway.

It is always hard to achieve IIC 50 or higher onsite with lightweight wooden mid floors.

I am aware only of floating floors systems such as GBDFA 60D & E reliably achieving IIC ratings higher than IIC 50 with lightweight wooden midfloor construction types.

Those GBDFA 60D & E systems are easily implemented at the design stage, but are much harder to incorporate at the repair or renovation stage.

This is not an inspection or certificate of compliance of any applicable resource consent soundproofing conditions.

I hold a formal tertiary qualification specifically in Acoustics & Noise Control.

I am working within my insurance covered area of qualifications and experience.

Signed on behalf of Acoustics Certificates Ltd.



Bob Russell -

Director, Acoustics Certificates Ltd.

Post Graduate Diploma of Acoustics & Noise Control of the Institute of Acoustics UK, London (1991)

Additional Institute of Acoustics UK specialist papers in 'Regulation and Assessment of Noise' and
'Environmental Noise' (Merit passes, 2012)

Professional Grade Membership of the Institute of Acoustics UK

Auckland Council Building Warrant Number 1806 (Sole specialist building soundproofing warrant
holder 2004 -2016)



136 Morrinsville Road

Newstead, Hamilton

Field Tests for Inter-Tenancy Floors

Date: 6th November 2023

Prepared for: Martin Cameron

Prepared by: Earcon Acoustics Limited

Reference: J006196.BM.1



Document Control

136 Morrinsville Road, Newstead, Hamilton

J006196.BM.1

Contact	Issue	Date	Rev
Fadia Sami fadia.sami@earcon.co.nz	ccc	06/11/2023	A



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1 Introduction

We carried out field measurements within the residential building at 136 Morrinsville Road in Newstead, Hamilton on 03/11/2023. The building comprises a main dwelling and a minor dwelling. The main dwelling was noted to be carpeted in bedrooms and tiled (with supplementary flooring overlays) in the bathroom and toilet atop the minor dwelling. It is our understanding that previous tests were conducted on the intertenancy elements, with the tiled areas not achieving the required impact insulation performance at the time. We noted the flooring of these areas was supplemented with additional overlays.

This report is limited to the field impact insulation class (FIIC) of the tiled floors with supplemental overlays. The tests were taken for assessment against the NZ Building Code – Clause G6 (Airborne & Impact Sound).

2 Field Measurement of Airborne and Impact Sound Insulation

2.1 Field measurement of impact sound insulation (FIIC)

2.1.1 IIC Definition

A single number derived from measured values of transmission loss in accordance with classification ASTM E989-89. The IIC rating is given by the value of the contour at 500 Hz.

2.1.2 Verification Method G6/VM1 for Impact Sound Insulation Field Tests

The performance for impact sound insulation may be verified using the procedures detailed in ISO 140: Part VII, and the field impact insulation class may be verified using the method described in ASTM E 989. Field test results shall be within 5dB of the performance requirement.

- Noise source: Tapping Machine.
- Sound level meter: Calibrated B&K 2270 Type 1 integrating sound level meter with 1/3 octave band real-time analyser.
- Test method: ISO 140-4: Part VII.
- Test procedure: the noise was generated in the source room, then the sound level was measured in both the source and receiving room in 1/3 octave bands. We also measured the reverberation time and background noise levels in the receiving room.
- Rating method: ASTM E989-89.

3 Criteria – NZ Building Code

STC (Sound Transmission Class) 55 and IIC (Impact Insulation Class) 55 ratings are required between the inter-tenancy floors and walls to prevent undue noise transmission from other occupancies or common spaces to the habitable spaces of the household units. The STC and IIC ratings are required for common walls and floors of different tenancies. The code allows 5dB for field situation; i.e., FSTC 50 and FIIC 50 in situ.

4 Test Results

4.1 Floors - Impact (FIIC) test results

Element	Intertenancy – Between	Field IIC test value	Pass / Fail
Bathroom Floor	Main Dwelling Bathroom to Minor Dwelling Living Room	FIIC 55	Pass
Toilet Floor	Main Dwelling Toilet to Minor Dwelling Bedroom	FIIC 58	Pass

5 Conclusions

The inter-tenancy floors meet the FIIC design acoustic rating and the NZ Building Code Clause G6 for airborne and impact noise.

CARPENTRY
ANDREW
BRAITHWAITE

Form 6A

Memorandum from licensed building practitioner: Record of building work
Section 88, Building Act 2004

The building

Street address of building: 2/136 State Highway 26, RD 6, Hamilton. 3286

The project

Building consent number: 2021/43914/1

The owner

Name: Martin Joseph Cameron

Address: 2/136 State Highway 26, RD 6, Hamilton. 3286

Telephone number: 0224444334

Email address: martin@cameron.co.nz

Record of work that is restricted building work

Work that is restricted building work	Description	Carried out/ supervised
<i>[Tick]</i>	<i>[If necessary, describe the restricted building work]</i>	<i>[Specify whether you carried out the restricted building work or supervised someone else carrying out the restricted building work]</i>
Primary structure		
Foundations and subfloor framing (x)	Formed the foundations and laid the DPC to the foundation base.	(x) Carried out () Supervised
Walls ()		() Carried out () Supervised
Roof ()		() Carried out () Supervised
Columns and beams ()		() Carried out () Supervised
Bracing (x)	Supervised the install of the Gib board bracing to the wall and ceilings	() Carried out (x) Supervised
Other ()		() Carried out () Supervised

External moisture management systems

Damp proofing	()		() Carried out () Supervised
Roof cladding or roof cladding system	()		() Carried out () Supervised
Ventilation system (for example, subfloor or cavity)	()		() Carried out () Supervised
Wall cladding or wall cladding system	(x)	<i>Installed the cavity system and the Linea weatherboards to the end walls. Supervised Linea weatherboards to remaining walls. Supervised shiplap vertical timber weatherboards.</i>	(x) Carried out (x) Supervised
Waterproofing	()		() Carried out () Supervised
Other	()		() Carried out () Supervised

Note: continue on another page if necessary.

Issued by

Name: Andrew Galbraith

LBP number: BP108471

Class(es) licensed in: Carpentry

Plumbers, Gasfitters and Drainlayers registration number (if applicable):

Mailing address: 103 Aberdeen Drive, Hamilton

Street address or registered office:

Phone number: Landline:

Mobile:
0274961342

Daytime:

After hours:
078472925

Fax number: 078472925

Email address: galbraithbuilding@xtra.co.nz

Website: builderwaikato.co.nz

Declaration

I Andrew Galbraith

[name of practitioner]

carried out or supervised the restricted building work recorded on this form.

Signature:



Date:8/8/2023

CARPENTRY
TENG FEI

Form 6A:

Memorandum from licensed building practitioner (record of building work)

SECTION 88, BUILDING ACT 2004

The building

Street address of building:

2/136 State Highway 26

The project

Building consent number:

2021/43914/1

The owner

Name of owner:

Martin Cameron

(Include preferred form of address, eg, Mr, Miss, Dr, if an individual)

Mailing address:

2/136 State Highway 26, RD6, Newstead, Hamilton 3286

Street address/registered office:

2/136 State Highway 26, RD6, Newstead, Hamilton 3286

Telephone number:

Mobile number: 022 4444334

Email address:

martin@cameron.co.nz

Record of work that is restricted building work

Work that is restricted building work ✓	Description of restricted building work <i>(If necessary, describe the restricted building work)</i>	State whether carried out or supervised <i>(Specify whether you carried out the restricted building work or supervised someone else carrying out the restricted building work)</i>
Primary structure		
Foundations and subfloor framing <input type="checkbox"/>		
Walls <input type="checkbox"/>		
Roof <input type="checkbox"/>		
Columns and beams <input type="checkbox"/>		
Bracing <input type="checkbox"/>		
Other <input checked="" type="checkbox"/>	Balustrade	Supervised

F.T

External moisture management systems

Damp proofing	<input type="checkbox"/>		
Roof cladding or roof cladding system	<input type="checkbox"/>		
Ventilation system (for example, subfloor or cavity)	<input type="checkbox"/>		
Wall cladding or wall cladding system	<input type="checkbox"/>		
Waterproofing	<input type="checkbox"/>		
Other	<input type="checkbox"/>		

Note: Continue on another page if necessary.

Issued by

	<div>Teng Fei</div> <div><i>(Name of licensed building practitioner who is licensed to carry out or supervise restricted building work)</i></div>	
Licensed building practitioner number:	<div>BP126577</div> <div><i>(if applicable)</i></div>	
Class(es) licensed in:	<div>Carpentry</div>	
Plumbers, Gasfitters and Drainlayers Board registration number:	<div></div> <div><i>(if applicable)</i></div>	
Mailing address:	<div>feiteng.tf@gmail.com</div>	
Street address/registered office:	<div>216 Hillcrest Road, Hamilton</div>	
Telephone number:	<div></div>	Mobile number: <div>021 189 0660</div>
Facsimile:	<div></div>	
Email address:	<div>feiteng.tf@gmail.com</div>	
Website:	<div></div> <div><i>(if applicable)</i></div>	

Declaration

I,

Teng Fei

(name of licensed building practitioner), carried out or supervised the restricted building work recorded on this form:

Date:

1

Octobr

2023

DAY MONTH YEAR



Form 6A:

Memorandum from licensed building practitioner (record of building work)

SECTION 88, BUILDING ACT 2004

The building

Street address of building:

2/136 STATE HIGHWAY 26, RD6, NEWSTEAD HAMILTON 3286

The project

Building consent number:

2021/43914/1 2021/43914/2

The owner

Name of owner:

Martin Cameron

(include preferred form of address, eg, Mr, Miss, Dr, if an individual)

Mailing address:

2/136 STATE HIGHWAY 26, RD6, NEWSTEAD HAMILTON 3286

Street address/registered office:

2/136 STATE HIGHWAY 26, RD6, NEWSTEAD HAMILTON 3286

Telephone number:

Mobile number:

0224444334

Email address:

martin@cameron.co.nz

Record of work that is restricted building work

Work that is restricted building work ✓	Description of restricted building work <i>(If necessary, describe the restricted building work)</i>	State whether carried out or supervised <i>(Specify whether you carried out the restricted building work or supervised someone else carrying out the restricted building work)</i>
Primary structure		
Foundations and subfloor framing <input type="checkbox"/>		
Walls <input type="checkbox"/>		
Roof <input type="checkbox"/>		
Columns and beams <input type="checkbox"/>		
Bracing <input checked="" type="checkbox"/>	Supervised Install of Fyreline to Aux Unit and Installed Fyreline to Elect Board; Installed Vent to Rangehood	Supervised and Installed
Other <input type="checkbox"/>		

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External moisture management systems

Damp proofing	<input type="checkbox"/>		
Roof cladding or roof cladding system	<input type="checkbox"/>		
Ventilation system (for example, subfloor or cavity)	<input type="checkbox"/>		
Wall cladding or wall cladding system	<input type="checkbox"/>		
Waterproofing	<input type="checkbox"/>		
Other	<input type="checkbox"/>		

Note: Continue on another page if necessary.

Issued by

Issued by
(Name of licensed building practitioner who is licensed to carry out or supervise restricted building work)

Licensed building practitioner number:
(if applicable)

Class(es) licensed in:

Plumbers, Gasfitters and Drainlayers Board registration number:
(if applicable)

Mailing address:

Street address/registered office:

Telephone number: Mobile number:

Facsimile:

Email address:

Website:
(if applicable)

Declaration

I,
(name of licensed building practitioner), carried out or supervised the restricted building work recorded on this form:

Date:

13	11	2023
DAY	MONTH	YEAR



79

ENGINEER

PRODUCER STATEMENT – PS4 CONSTRUCTION REVIEW



association of
consulting
engineering



Building Code Clause(s):	B1,	Job number: 12843
ISSUED BY: <i>(Construction Monitoring Firm)</i>	Arnold and Johnstone 2015 Ltd	
TO: <i>(Client)</i>	Martin Cameron	
TO BE SUPPLIED TO: <i>(Building Consent Authority)</i>	Hamilton City Council	
IN RESPECT OF: <i>(Description of building work)</i>	New build	
AT: <i>(Address)</i>	136 State Highway 26, Newstead, Hamilton	
LEGAL DESCRIPTION	Lot 2 DP 556335	

We have been engaged by Martin Cameron to provide CM3 level of construction monitoring relating to the Clause(s) named above of the Building Code for the building work which is covered by PS1(s)

- issued by Arnold and Johnstone 2015 Ltd and
- which is described in the documents relating to the Building Consent No. 2021/43914/1 and
- those relating to Building Consent Amendment(s) No. 2021/43914/2

issued during the course of the works.

We have sighted these Building Consents and the conditions attached to them.

Authorised instructions/variation(s) detailed/listed in the attached Schedule have been issued during the course of the works.

On the basis of these review(s) and information supplied by the contractor during the course of the works and on behalf of Arnold and Johnstone 2015 Ltd, I believe on reasonable grounds that the building works covered by the above mentioned PS1(s) have been completed in accordance with the relevant requirements of the Building Consent and Building Consent Amendments identified above or in the attached Schedule, with respect to Clause(s) B1, of the Building Code. I also believe on reasonable grounds that the persons who have undertaken this construction review have the necessary competence to do so.

I, Raman Forbes am:

- CPEng number 228942
- and hold the following qualifications: B.E. (Hons)

Arnold and Johnstone 2015 Ltd holds a current policy of Professional Indemnity Insurance no less than \$200,000.

Arnold and Johnstone 2015 Ltd is not a member of ACE New Zealand.

SIGNED BY: Raman Forbes

(Signature):

Date: 6/11/23

ON BEHALF OF:

Arnold and Johnstone 2015 Ltd

Note: This statement has been prepared solely for Hamilton City Council above and shall not be relied upon by any other person or entity. Any liability in relation to this statement accrues to Arnold and Johnstone 2015 Ltd only. As a condition of reliance on this statement, Hamilton City Council accepts that the total maximum amount of liability of any kind arising from this statement and all other statements provided to Hamilton City Council in relation to this building work, whether in tort or otherwise, is limited to the sum of \$200,000.

This form is to accompany **Forms 6 or 8 of the Building (Forms) Regulations 2004** for the issue of a Code Compliance Certificate

SCHEDULE TO PS 4

Please include an itemised list of all referenced documents, drawings, or other supporting materials in relation to this producer statement below:

- Site visit reports 01-05

Limited Scope of Engagement

The engagement is in respect of the following parts of the building work:

Observe foundation reinforcement, concrete block retaining walls, steel beams and posts at basement and ground floor level.

GUIDANCE ON USE OF PRODUCER STATEMENTS

Information on the use of Producer Statements and Construction Monitoring Guidelines can be found on either the [ACE New Zealand](#) or [Engineering New Zealand](#) websites.

Producer statements were first introduced with the Building Act 1991. The producer statements were developed by a combined task committee consisting of members of the New Zealand Institute of Architects (NZIA), Institution of Professional Engineers New Zealand (now Engineering New Zealand), Association of Consulting and Engineering New Zealand (ACE NZ) in consultation with the Building Officials Institute of New Zealand (BOINZ). The original suite of producer statements has been revised at the date of this form to ensure standard use within the industry.

The producer statement system is intended to provide Building Consent Authorities (BCAs) with part of the reasonable grounds necessary for the issue of a Building Consent or a Code Compliance Certificate, without necessarily having to duplicate review of design or construction monitoring undertaken by others.

PS1 DESIGN: Intended for use by a suitably qualified independent engineering design professional in circumstances where the BCA accepts a producer statement for establishing reasonable grounds to issue a Building Consent;

PS2 DESIGN REVIEW: Intended for use by a suitably qualified independent engineering design review professional where the BCA accepts an independent design professional's review as the basis for establishing reasonable grounds to issue a Building Consent;

PS3 CONSTRUCTION: Forms commonly used as a certificate of completion of building work are Schedule 6 of NZS 3910:2013 or Schedules E1/E2 of NZIA's SCC 20112

PS4 CONSTRUCTION REVIEW: Intended for use by a suitably qualified independent engineering construction monitoring professional who either undertakes or supervises construction monitoring of the building works where the BCA requests a producer statement prior to issuing a Code Compliance Certificate.

This must be accompanied by a statement of completion of building work (Schedule 6).

The following guidelines are provided by ACE New Zealand and Engineering New Zealand to interpret the Producer Statement.

Competence of Engineering Professional

This statement is made by an engineering firm that has undertaken a contract of services for the services named, and is signed by a person authorised by that firm to verify the processes within the firm and competence of its personnel.

The person signing the Producer Statement on behalf of the engineering firm will have a professional qualification and proven current competence through registration on a national competence-based register such as a Chartered Professional Engineer (CPEng).

Membership of a professional body, such as Engineering New Zealand provides additional assurance of the designer's standing within the profession. If the engineering firm is a member of ACE New Zealand, this provides additional assurance about the standing of the firm.

Persons or firms meeting these criteria satisfy the term "suitably qualified independent engineering professional".

Professional Indemnity Insurance

As part of membership requirements, ACE New Zealand requires all member firms to hold Professional Indemnity Insurance to a minimum level.

The PI Insurance minimum stated on the front of this form reflects standard practice for the relationship between the BCA and the engineering firm.

Professional Services during Construction Phase

There are several levels of service that an engineering firm may provide during the construction phase of a project (CM1-CM5 for engineers3).

The BCA is encouraged to require that the service to be provided by the engineering firm is appropriate for the project concerned.

Requirement to provide Producer Statement PS4

BCAs should ensure that the applicant is aware of any requirement for producer statements for the construction phase of building work at the time the building consent is issued. No design professional should be expected to provide a producer statement unless such a requirement forms part of the Engineering Design Firm's engagement.

Refer Also:

1 Conditions of Contract for Building & Civil Engineering Construction NZS 3910: 2013

2 NZIA Standard Conditions of Contract SCC 2011

3 Guideline on the Briefing & Engagement for Consulting Engineering Services (ACE New Zealand/Engineering New Zealand 2004)

4 PN01 Guidelines on Producer Statements

www.acenz.org.nz

www.engineeringnz.org



CONSTRUCTION MONITORING SITE VISIT RECORD 01

Project name	Proposed Cameron Residence	Job Number	12843
Site address	Lot 2 135 SH26 Hamilton		
Date	09.03.2022	Time	7:30 am
Reason for site visit	Discuss queries on site	Visit by	Nicholas McLean
Site Contact	King Drilling	Local Authority	HCC

Observations

1. Attended site to discuss site queries with piling contractor (King Drilling). Martin Cameron (Client) was also present.
2. King Drilling advised the 200 and 250 SED HDT piles to be installed away from the leading edge of the site are 3.6m in length and are unable to be embedded 3.6m min into the ground as per Drawing 13.

Actions required

- a. The existing ground level is at approximately the underside of the concrete floor slab. The 200 and 250 SED HDT piles away from the leading edge are to be driven full depth to the existing ground level. The required sets are to be achieved.

For all piles on the leading edge a 5m min embedment is required. **Closed out. Refer to King Drilling's PS3 and pile driving records.**

Next site inspection (contractor to advise when next inspection is due)

Copies to Client ✓ Architect ✓ Contractor ✓ BCA

Note: The BCA may have inspections to complete pre-pour or before closing in. It is the responsibility of the contractor to ensure that this occurs. It is the responsibility of the Building Consent applicant or their appointed representative to ensure that any design changes are approved by the BCA through a formal amendment or a minor variation. Under no circumstances can work proceed if design changes have not been approved by the relevant BCA, unless the BCA has given explicit written permission that approval is not required. This form, together with any design changes listed above, must be provided to a BCA representative at the earliest opportunity, for the BCA to assess the nature of any design changes and advise the applicant accordingly.



CONSTRUCTION MONITORING

SITE VISIT RECORD 02

Project name	Proposed Cameron Residence	Job Number	12843
Site address	Lot 2 135 SH26 Hamilton		
Date	21.4.2022	Time	3 pm
Reason for site visit	Footing rebar observation	Visit by	Gavin Douglas
Site Contact	Martin	Local Authority	HCC

Observations

1. Observed basement footings. The rebar has been installed in general accordance with the drawings. In general, the footings have been over excavated, so there will be additional concrete poured beneath them, i.e. approx. 150mm bottom cover.

Actions required

- a. The two 400mm long footing extensions on the northern elevation require additional HD16 bars to lap back in with the main footing reinforcement. **23.4.22 Update** – Martin sent through photos showing the additional bars installed.
- b. At the north eastern corner of the house footing two additional 'L' bars are to be installed to connect the intersecting footings. **23.4.22 Update** – Martin sent through photos showing the additional 'L' bars installed.
- c. The top of the timber piles are to be cleaned of sawdust and debris prior to the concrete pour. The bottom of the DPM is to be cleaned prior to the concrete being poured. **Closed out.**

Next site inspection (contractor to advise when next inspection is due)

Basement slab rebar pre-pour inspection.

Copies to

Client ✓

Architect ✓

Contractor

BCA

Note: The BCA may have inspections to complete pre-pour or before closing in. It is the responsibility of the contractor to ensure that this occurs. It is the responsibility of the Building Consent applicant or their appointed representative to ensure that any design changes are approved by the BCA through a formal amendment or a minor variation. Under no circumstances can work proceed if design changes have not been approved by the relevant BCA, unless the BCA has given explicit written permission that approval is not required. This form, together with any design changes listed above, must be provided to a BCA representative at the earliest opportunity, for the BCA to assess the nature of any design changes and advise the applicant accordingly.



CONSTRUCTION MONITORING

SITE VISIT RECORD 03

Project name	Proposed Cameron Residence	Job Number	12843
Site address	Lot 2 135 SH26 Hamilton		
Date	5.5.2022	Time	3 pm
Reason for site visit	Basement slab rebar observation	Visit by	Gavin Douglas
Site Contact	Martin Cameron	Local Authority	HCC

Observations

1. Observed basement slab reinforcement. The mesh and additional rebar over the footing beams has been installed in general accordance with the drawings.
2. The bottom block of the basement retaining walls has been installed. A number of the block starter bars in the middle and northern end of the wall, cast into the footing at 200mm centres, have been positioned towards the front face of the block, rather than the middle of the block.

Actions required

- a. Loose overflow concrete from the first pour is to be removed from the rebar and the bottom of the beams.
Closed out. Martin advised this had been completed.
- b. The middle section of the block basement walls, which steps in, has been changed from 190mm to 240mm blocks. This is acceptable. *Closed out.*
- c. Due to the block starters being located out of position, the maximum height the block wall can retain is to be reduced from 2.4m to 1.8m. *Closed out. Refer to amended Drawing No. 13 Rev B.*

Next site inspection (contractor to advise when next inspection is due)

Basement block wall pre-pour inspection.

Copies to

Client



Architect



Contractor

BCA

Note: The BCA may have inspections to complete pre-pour or before closing in. It is the responsibility of the contractor to ensure that this occurs. It is the responsibility of the Building Consent applicant or their appointed representative to ensure that any design changes are approved by the BCA through a formal amendment or a minor variation. Under no circumstances can work proceed if design changes have not been approved by the relevant BCA, unless the BCA has given explicit written permission that approval is not required. This form, together with any design changes listed above, must be provided to a BCA representative at the earliest opportunity, for the BCA to assess the nature of any design changes and advise the applicant accordingly.



CONSTRUCTION MONITORING SITE VISIT RECORD 04

Project name	Proposed Cameron Residence	Job Number	12843
Site address	Lot 2 135 SH26 Hamilton		
Date	12.5.2022	Time	2.30 pm
Reason for site visit	Block wall rebar observation	Visit by	Gavin Douglas
Site Contact	Martin Cameron	Local Authority	HCC

Observations

1. Observed reinforcement in basement block walls. The rebar has been installed in general accordance with the drawings. The top half of the return block wall on the southern elevation was being constructed at the time of the site visit.

Actions required

- a. Several vertical bars are still to be tied to the block starters. These locations were discussed with the block layer. **Closed out.**
- b. The clean out ports are to be washed out prior to pouring the blocks. **Closed out.**
- c. The lintel beam above the window on the southern wall was under construction at the time of the site visit. Martin is to send through a photo of the rebar in this bond beam. **Closed out with photos received from Martin 13.5.2022.**
- d. The window in the northern return wall has been missed. The block layer is to re-build this section of wall, including installing the lintel beam and drilling and epoxying an additional vertical bar into the 400mm wide block pier at the end of this wall. A photo is to be provided of this rebar. **Closed out.**

Next site inspection (contractor to advise when next inspection is due)

Steelwork inspection prior to linings hiding it.

Copies to	Client ✓	Architect ✓	Contractor	BCA
-----------	----------	-------------	------------	-----

Note: The BCA may have inspections to complete pre-pour or before closing in. It is the responsibility of the contractor to ensure that this occurs. It is the responsibility of the Building Consent applicant or their appointed representative to ensure that any design changes are approved by the BCA through a formal amendment or a minor variation. Under no circumstances can work proceed if design changes have not been approved by the relevant BCA, unless the BCA has given explicit written permission that approval is not required. This form, together with any design changes listed above, must be provided to a BCA representative at the earliest opportunity, for the BCA to assess the nature of any design changes and advise the applicant accordingly.



CONSTRUCTION MONITORING SITE VISIT RECORD 05

Project name	Proposed Cameron Residence	Job Number	12843
Site address	Lot 2 135 SH26 Hamilton		
Date	9.11.2022	Time	10 am
Reason for site visit	Observe steelwork	Visit by	Gavin Douglas
Site Contact	Martin Cameron	Local Authority	HCC

Observations

1. We observed the steel beams and posts specifically designed by Arnold & Johnstone. These were primarily Beams 1 to 4 located in the floor framing above the basement. These beams had been partially covered by the internal and external linings. The beams, posts, and bolted connections observed have been installed in general accordance with the drawings.
2. The 89 SHS posts supporting the deck framing and roof on the gully elevation were also in place. The steel PFC deck beam and timber deck framing is yet to be installed.

Actions required

- a. Provide grout beneath the base plate under the garage door lintel (Beam 4)

Next site inspection (contractor to advise when next inspection is due)

Copies to

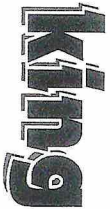
Client ✓

Architect ✓

Contractor

BCA

Note: The BCA may have inspections to complete pre-pour or before closing in. It is the responsibility of the contractor to ensure that this occurs. It is the responsibility of the Building Consent applicant or their appointed representative to ensure that any design changes are approved by the BCA through a formal amendment or a minor variation. Under no circumstances can work proceed if design changes have not been approved by the relevant BCA, unless the BCA has given explicit written permission that approval is not required. This form, together with any design changes listed above, must be provided to a BCA representative at the earliest opportunity, for the BCA to assess the nature of any design changes and advise the applicant accordingly.



drilling
company **limited**
civil
engineering & construction
site mix
limited

phone 07 856 8683
fax 07 856 5641
address 45 Riverlea Road
PO Box 13074
Hamilton 3251
email office@kinggroup.co.nz

08 November 2022

Arnold & Johnstone
Level 4/ 566 Victoria Street
HAMILTON

Re: Martin Cameron
Lot 2, SH26
Hamilton

We have completed driving piles at the above site. The results are as follows:

Hammer Weight	600kg	Hammer Fall	1000mm
Pile Diameter	200mm & 250mm	Test Pile Length	1 x 7m x 200, 1 x 6m x 250
Set	as per plan	Remainder	42 x 3.6 x 200, 19 x 3.6 x 250, 38 x 5.4 x 200
Pre-drilled	1.5m		

Heights shown are undriven portions.

Job Number: 86104
Invoice Number:

Regard,

M Taylor
King Drilling Company Ltd

New Zealand Master
Builders Federation
Building Information

Consent
Federation of New
Zealand Master
Builders Incorporated

Building Consent No

Building regulation Clause(s)

B1

Consent issued by

Hamilton City Council

PRODUCER STATEMENT - CONSTRUCTION

ISSUED BY: King Drilling Company Limited

TO: Arnold & Johnstone

IN RESPECT OF: Pile Driving

AT: Lot 2, SH26

Hamilton

LOT: 2 DP: SQ: SC:

King Drilling Company Limited has contracted to Martin Cameron

to construct the building works described by the drawings and specifications prepared by

Don Cowie Drafting and Design titled Lot 2 SH26 Hamilton

(Design Firm)

(Project)

and numbered 2107 - DWG 13 authorised variation no's A

(copies attached) issued by E3 Consulting Engineers and other

(Design Firm)

documents according to which the building is proposed to be constructed.

I M Taylor a duly authorised agent of King Drilling Company Limited have (have not)

signed Building Consent No and the attached conditions of building consent and

BELIEVE ON REASONABLE GROUNDS that ☒ Part only as specified in the attached particulars

☐

All

of the building work under the above building consent has been completed to the extent required by that building consent.

Date:

(Signature of Duly Authorised Agent)

on behalf of

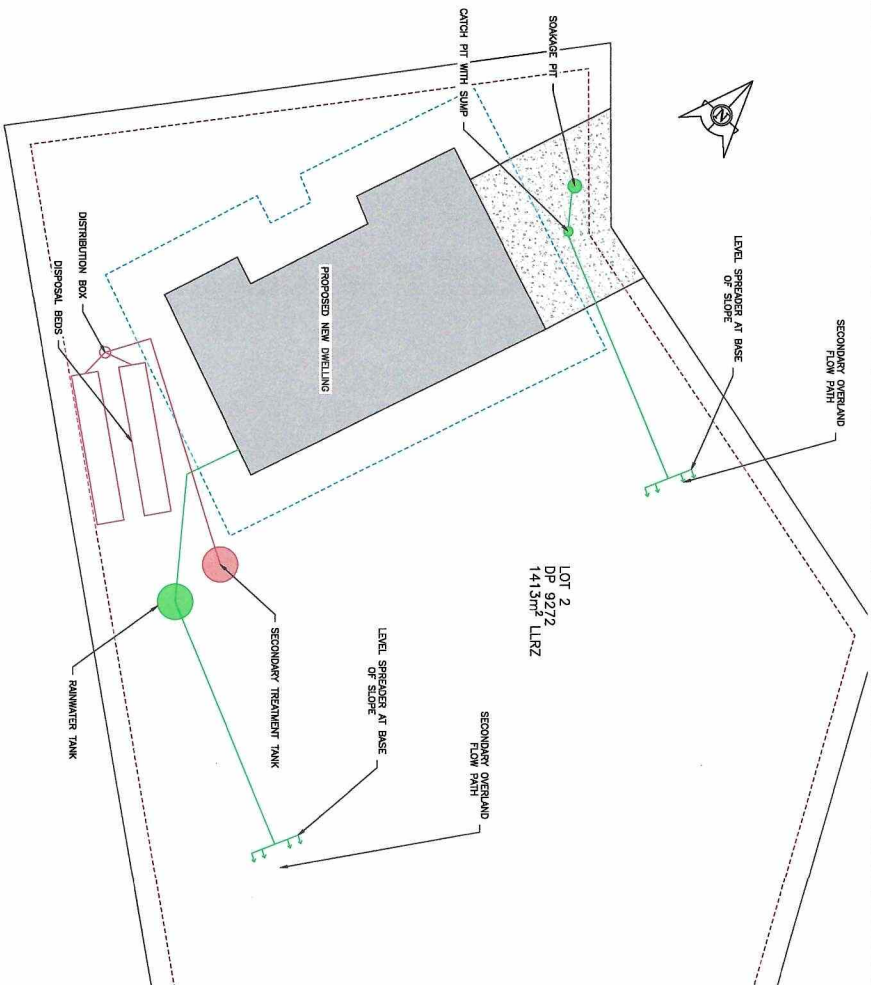
King Drilling Company Limited

PO Box 13074

Hamilton

This form to accompany Form 1 of the Building Regulations 1992 for the application of a Code Compliance Certificate

GEOTECH



MINIMAL SEPARATION DISTANCES		
	PRIMARY	SECONDARY
BUILDINGS/HOUSES ¹	3m	1.5m to 3m
PROPERTY/BOUNDARY ²	1.5m	1.5m
SURFACE WATER ³	10m	10m
WATER SUPPLY, BORE ⁴	20m	20m
GROUND WATER ⁵	600mm	300mm
FLOOD PLAIN AREA ⁶	100 YDS	20 YDS

¹ MINIMUM SEPARATION DISTANCES FROM INTERFERENCE OR HAZARD (NOT TOP OF WALL DOWNHILL (WHICH EVER IS GREATER))

NOTE 1: AS PER TP58 ON-SITE WASTEWATER SYSTEMS
DESIGN AND MANAGEMENT MANUAL

NOTE 2: AS PER WAIKATO REGIONAL PLAN

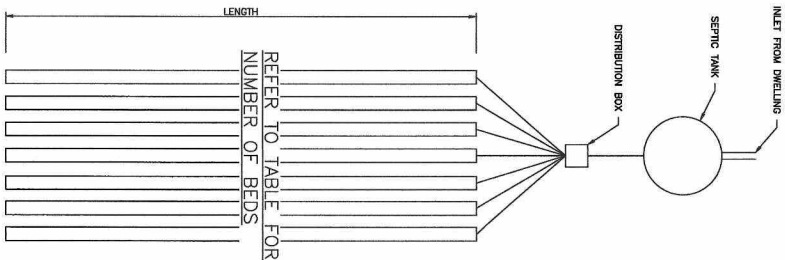
DISPOSAL FIELD CHARACTERISTICS	
SYSTEM	LYED BEDS
TREATMENT	SECONDARY
BASAL AREA	33m ²
TOTAL AREA	42m ²

NOTES:

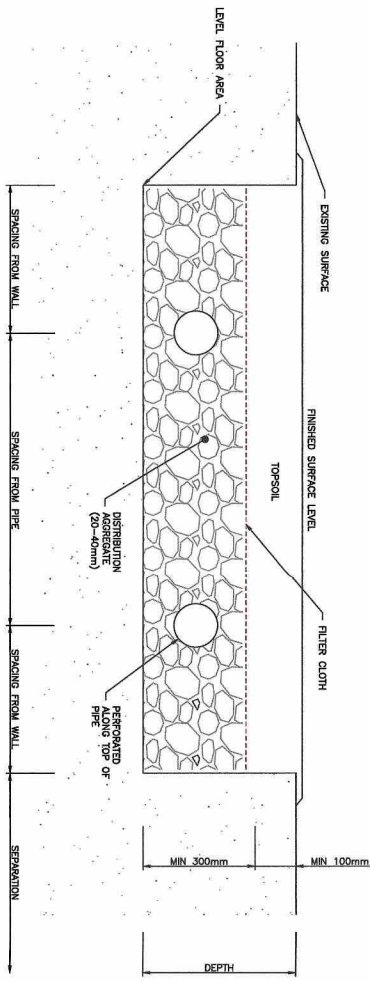
- 1) PLAN IS INDICATIVE ONLY.
- 2) OFFSETS FOR SOAKAGE TRENCH SHALL BE ADHERED TO:
 - 2.1) 3.0m FROM BUILDINGS.
 - 2.2) 1.5m FROM PROPERTY BOUNDARIES
 - 2.3) 0.5m FROM ROAD BOUNDARY
- 3) IF CONTRACTOR CANNOT ACHIEVE OFFSETS, ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION.
- 4) ALL RUNOFF TO ENTER A SUMP PRIOR TO SOAKAGE DEVICE.

NOTES:

1. WORKS TO COMPLY WITH BUILDING CODE, BUILD CONSENT CONDITIONS AND PRODUCT MANUFACTURERS SPECIFICATIONS
2. EARTHWORKS SHALL NOT CONCENTRATE SURFACE WATER NEAR DISPOSAL FIELD
3. FENCE DISPOSAL FIELD FROM STOCK IF REQUIRED
4. POSITION OF SEPTIC TANK MAY BE RELOCATED AT CLIENTS DISCRETION



PLAN VIEW



CROSS SECTION VIEW

BED SPECIFICATIONS

NUMBERS OF BEDS	2	SPACING FROM PIPE	0.6m
LENGTH	10m	BASE WIDTH	1.8m
DEPTH	MIN 0.4m MAX 0.8m	BASEL AREA	33m²
SEPARATION	1.0m	TOTAL AREA	42m²
SPACING FROM WALL	0.3m		

- NOTES:**
1. DISPOSING TO COMPLY WITH BUILDING PLUMBING REGULATIONS AND MANUFACTURERS SPECIFICATIONS.
 2. SEPTIC TANKS SHALL NOT CONCENTRATE SURFACE WATER NEAR DISPOSAL FIELD.
 3. FENCE DISPOSAL FIELD FROM STOCK IF THERE MUST BE AT LEAST 1 METER FROM SURFACE TO WATER GROUND WATER MAXIMUM.
 4. THE TRENCHES/BEDS MUST BE Laid ON A LEVEL.
 5. LEVEL CONTROLS MUST BE USED.
 6. A 100% RESERVE AREA IS REQUIRED FOR TRENCHES/BEDS AND A 50% RESERVE AREA FOR DWP REMEDIATION.

TITUS

Hamilton, Ontario, Canada
 1000 Highway 206
 Hamilton, Ontario L8N 3K1
 Tel: (905) 709-3113
 Fax: (905) 709-3114
 Email: info@titus.ca

DATE	BY	CHKD	APPD
11/10/2021	MS	MS	MS

MARTIN CAMERON

NEW DWELLING

LOT 2, 136 STATE HIGHWAY 26
 HAMILTON

DISPOSAL FIELD

FOR APPROVAL
 DATE: 11/10/2021
 BY: MS
 FOR: B

Roof, Greider, Tourange, 3112

MARLIN CAMERON

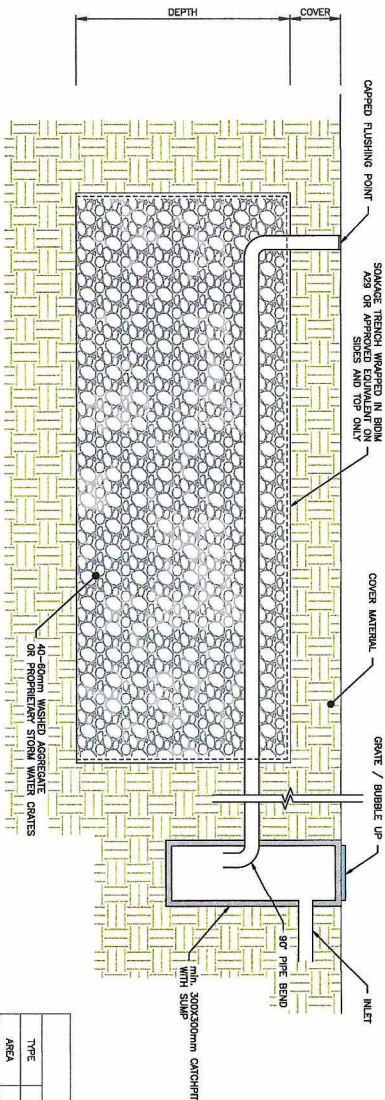
NEW DWELLING

HAMILTON

SOAKAGE FRENCH OPTION

11122-SW -0010

SECTIONAL VIEW



SPECIFICATIONS		
TYPE	ROCK FILL	SW GRATES
AREA	54.6m ²	20.1m ²
DEPTH	1.0m	0.86m
WIDTH	1m (MIN)	1m (MIN)
LENGTH	AS REQUIRED	AS REQUIRED
COVER	0.3m (MINIMUM FOR NON-RECYCLABLE AREAS)	AS PER MANUFACTURERS SPECIFICATION

SOAKAGE FRENCH SEIBACKS (RIS 4.2.15)

BOUNDARY).

2. 0.5m FROM ROAD SIDE BOUNDARY'S.

SPECIFIC DESIGN IS REQUIRED.

3. IUM FROM PRIVATE SECTOR

AND AWAY FROM OVERLAND FLOW PATHS.

NOTES

AND THE BUILDING CONSENT CONDITIONS.

INGRESS INTO SOME INTEREST.

COMPLETION.

TITUS

CONSULTANTS
Hamilton, Ontario, Canada
11122-SW-0014

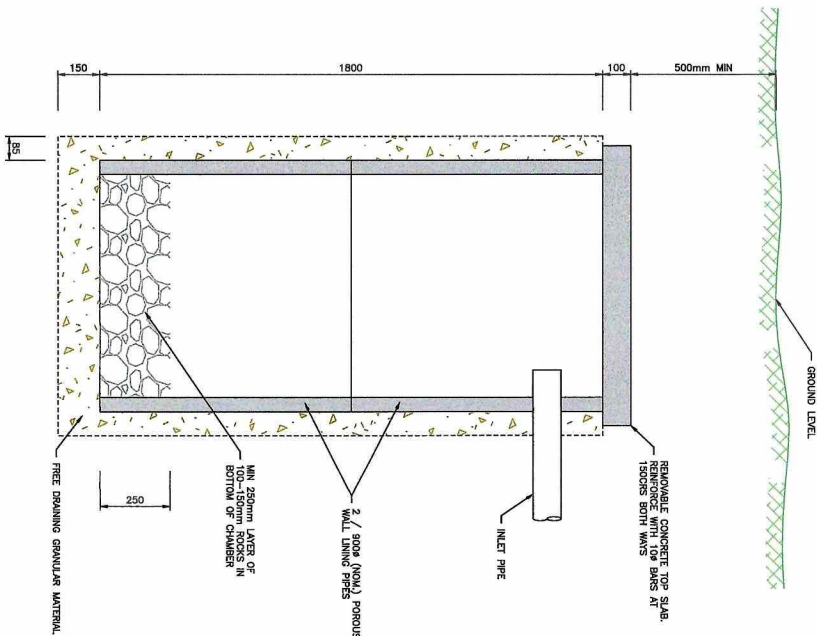
DATE	BY	REVISION
11/10/2021	NS	FOR APPROVAL

MARTIN CAMERON

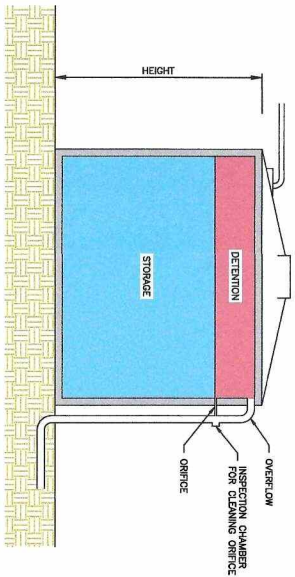
NEW DWELLING
LOT 2, 136 STATE HIGHWAY 26
HAMILTON

SOAKAGE PIT OPTION

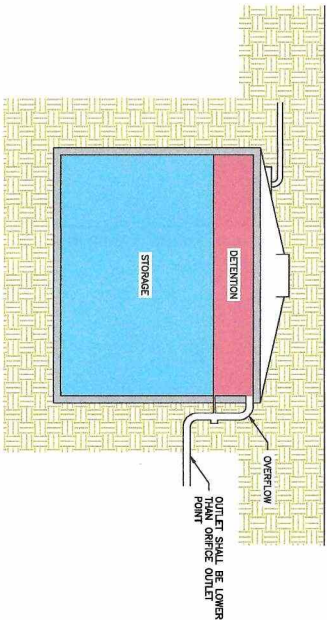
FOR APPROVAL
DATE: 11/10/2021
BY: NS
11122-SW-0014
A



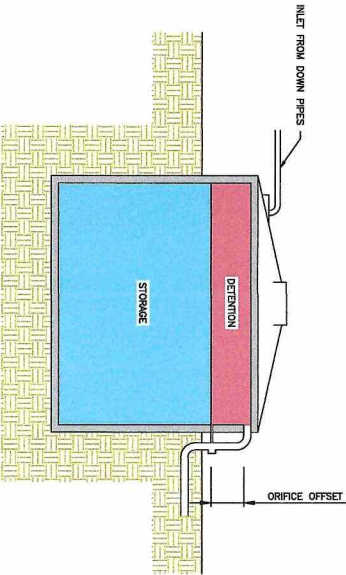
- SOAKAGE TRENCH SETBACKS (REFS 4.2.1.5):**
- 1.5m FROM ANY BUILDING OR BOUNDARY (1.5m FROM BOUNDARY IF NEIGHBOURING BUILDING MUST BE 1.5m FROM BOUNDARY).
 - 0.5m FROM ROAD SIDE BOUNDARY'S.
 - FOR RETAINING WALLS LESS THAN 2m, THE SETBACK SHALL BE THE HEIGHT OF THE WALL PLUS 1.5m. FOR HIGHER WALLS A SPECIFIC DESIGN IS REQUIRED.
 - 2.0m FROM PUBLIC SANITARY SEWERS.
 - 1.0m FROM PRIVATE SEWERS.
 - SOAKAGE TRENCH TO NOT BE POSITIONED ON UNSTABLE SLOPES AND DOWN FROM OVERLAND FLOW PATHS.
- NOTES:**
1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE PRODUCT MANUFACTURERS SPECIFICATIONS, THE BUILDING CODE AND THE BUILDING CONSENT CONDITIONS.
 2. ROCK FILL MUST BE 100-150mm OF CLEAN WASHED ROCK.
 3. A PRE-TREATMENT DEVICE MUST BE USED TO MINIMISE SLIT INGRESS INTO SOAK TRENCH.
 4. CONTRACTORS SHALL PROVIDE AS-LAND PLANS AND A P33 ON COMPLETION.



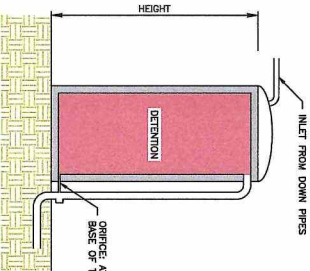
DESIGN 1: ABOVE-GROUND TANK



DESIGN 3: FULLY-BURIED TANK



DESIGN 2: SEMI-BURIED TANK



DESIGN 4: DETENTION-ONLY TANK

SPECIFICATIONS		
DESIGN OPTIONS AVAILABLE	1-3	
VOLUME	1 x 25,000 L	
HEIGHT	2,400 mm	
ORIFICE	35 mm	
ORIFICE OFFSET	560 mm	
OVERFLOW	LEVEL, SPREADER	

- NOTES:**
1. ALL WORKS TO COMPLY WITH BUILDING, PLUMBING, ELECTRICAL AND MANUFACTURER'S SPECIFICATIONS
 2. ALL DRAWS TO BE 100mm PVC Laid AT 1:100 FALL UNLESS NOTED
 3. CHECK LAYOUTS ON SITE BEFORE INSTALLATION.
 4. APPROPRIATE COVER REQUIRED FOR OPTION 3 AS PER APPROVED DRAWINGS
 5. FIRST FLUSH DEVICES AND LIFE OVERFLOWS ARE RECOMMENDED
 6. LOCATION, FEED MAY BE SUITABLE DEPENDING ON SITE
 7. OVERFLOW (INCLUDING FLOW FROM ORIFICE) SHALL BE DISCHARGED TO A DRAINAGE POINT
 8. TWO TANKS MAY BE UTILISED AND CONNECTED AT THE BASE.

TITUS

Level 3, 100, Market Street,
Melbourne, VIC 3000
Phone: 03 9412 1234
Email: info@titus.com.au

ISSUED	REVISION	DATE
1	1	1/10/2021

MARTIN CAMERON

LOT 2, 138 STATE HIGHWAY 26
NEWSTEAD

RAINFALL TANK

ISSUED	REVISION	DATE
1	1	1/10/2021

FOR APPROVAL

ISSUED	REVISION	DATE
1	1	1/10/2021

FOR APPROVAL

COMPLY WITH BUILDING, PLUMBING
AND MANUFACTURER'S
SPECIFICATIONS
BE LOCATED AS TO NOT CAUSE
WATER NUISANCE

1.5m

2.0m

2 LAYERS OF 100-150mm ROCK SCOUR PROTECTION

INLET

DN100

DN20 HOLES AT 100mm SPACINGS

TITUS
CONSULTING ENGINEERS

Haroldian Office Room 2, Level
4, 169 London Street,
Hornblum, 3004
Toumaga Office 200 Obediah
Road, Obediah, Toumaga, 3112
07 242 0017
www.haroldian.co.nz
office@haroldian.co.nz

DEMAND	OFFER
RM	TR
RM	TR

GLADSTONE
MARTIN CAMERON

Products

LOT 2, 136 STATE HIGHWAY 26
NEWSTEAD

CONCLUSIONS

LEVEL SPREADER

status

FOR APPROVAL

11/10/2021	NTS
11122--SW-0031	



association of
consulting and
engineering



PRODUCER STATEMENT – PS4 CONSTRUCTION REVIEW

BUILDING CODE CLAUSE(S): E1, G13

JOB NUMBER: 11122

ISSUED BY: Titus Consulting Engineers
(Construction Monitoring Firm)

TO: Martin Cameron
(Owner/Developer)

TO BE SUPPLIED TO: Hamilton City Council
(Building Consent Authority)

IN RESPECT OF: Stormwater System, Soakage Trench, Soakage Pit, Attenuation Tank, Bubble Up, Level Spreader,
(Description of Building Work) Wastewater Disposal System, Disposal Field

AT: 2/136 State Highway 26, Hamilton
(Address, Town/City)

LEGAL DESCRIPTION: Lot 2; DP 556335

N/A ☐

We have been engaged by the owner/developer referred to above to provide CM2 level of construction monitoring relating to the Clause(s) named above of the Building Code for the building work which is covered by PS1(s) issued by Titus Consulting Engineers (Engineering Design Firm) and which is described in the documents relating to the Building Consent No. DD007.2021.00043910.001 and those relating to Building Consent Amendment(s) No. issued during the course of the works.

We have sighted these Building Consents and the conditions attached to them.
If any of the fields above are too small, please write "refer the Schedule".

Authorised instructions/variation(s) detailed/listed in the Schedule have been issued during the course of the works.

On the basis of these review(s) and information supplied by the contractor during the course of the works and on behalf of the engineering firm undertaking this Construction Monitoring, I believe on reasonable grounds that the building works covered by the above-mentioned PS1(s) have been completed in accordance with the relevant requirements of the Building Consent and Building Consent Amendments identified above or in the Schedule on page 2, with respect to Clause(s) E1/VM1, G13/VM4 of the Building Code. I also believe on reasonable grounds that the persons who have undertaken this construction review have the necessary competency to do so.

I, (Name of Construction Monitoring Professional) Anthony Richardson, am:

- CPEng number 1026340
- I hold the following qualifications BSc(Eng) Civil, MSc(Eng)

The Construction Monitoring Firm holds a current policy of Professional Indemnity Insurance no less than \$200,000 The Construction Monitoring Firm is a member of ACE New Zealand.

SIGNED BY (Name of Construction Monitoring Professional): Anthony Richardson
(Signature below):

Digitally signed by Tony Richardson
DN: cn=Tony Richardson, c=NZ, o=Titus Civil Ltd, email=tonyr@tituscivil.co.nz
Reason: I have reviewed this document
Date: 2023.11.01 10:59:13 +13'00'

ON BEHALF OF (Construction Monitoring Firm): Titus Consulting Engineers

Date: 31/10/23

Note: This statement has been prepared solely for the Building Consent Authority named above and shall not be relied upon by any other person or entity. Any liability in relation to this statement accrues to the Construction Monitoring Firm only. As a condition of reliance on this statement, the Building Consent Authority accepts that the total maximum amount of liability of any kind arising from this statement and all other statements provided to the Building Consent Authority in relation to this building work, whether in tort or otherwise, is limited to the sum of \$200,000.

This form is to accompany Forms 6 or 8 of the Building (Forms) Regulations 2004 for the issue of a Code Compliance Certificate.

THIS FORM AND ITS CONDITIONS ARE COPYRIGHT TO ACE NEW ZEALAND AND ENGINEERING NEW ZEALAND

SCHEDULE to PS4

Please include an itemised list of all referenced documents, drawings, or other supporting materials in relation to this producer statement below: |

as per Titus drawings, 11122-WW-0001 to 11122-SW-0031

GUIDANCE ON USE OF PRODUCER STATEMENTS

Information on the use of Producer Statements and Construction Monitoring Guidelines can be found on the Engineering New Zealand website

<https://www.engineeringnz.org/engineer-tools/engineering-documents/producer-statements/>

Producer statements were first introduced with the Building Act 1991. The producer statements were developed by a combined task committee consisting of members of the New Zealand Institute of Architects (NZIA), Institution of Professional Engineers New Zealand (now Engineering New Zealand), Association of Consulting and Engineering New Zealand (ACE NZ) in consultation with the Building Officials Institute of New Zealand (BOINZ). The original suite of producer statements has been revised at the date of this form to ensure standard use within the industry.

The producer statement system is intended to provide Building Consent Authorities (BCAs) with part of the reasonable grounds necessary for the issue of a Building Consent or a Code Compliance Certificate, without necessarily having to duplicate review of design or construction monitoring undertaken by others.

PS1 DESIGN Intended for use by a suitably qualified independent engineering design professional in circumstances where the BCA accepts a producer statement for establishing reasonable grounds to issue a Building Consent;

PS2 DESIGN REVIEW Intended for use by a suitably qualified independent engineering design review professional where the BCA accepts an independent design professional's review as the basis for establishing reasonable grounds to issue a Building Consent;

PS3 CONSTRUCTION Forms commonly used as a certificate of completion of building work are Schedule 6 of NZS 3910:2013 or Schedules E1/E2 of NZIA's SCC 2011²

PS4 CONSTRUCTION REVIEW Intended for use by a suitably qualified independent engineering construction monitoring professional who either undertakes or supervises construction monitoring of the building works where the BCA requests a producer statement prior to issuing a Code Compliance Certificate.

This must be accompanied by a statement of completion of building work (Schedule 6).

The following guidelines are provided by ACE New Zealand and Engineering New Zealand to interpret the Producer Statement.

Competence of Engineering Professional

This statement is made by an engineering firm that has undertaken a contract of services for the services named, and is signed by a person authorised by that firm to verify the processes within the firm and competence of its personnel.

The person signing the Producer Statement on behalf of the engineering firm will have a professional qualification and proven current competence through registration on a national competence-based register such as a Chartered Professional Engineer (CPEng).

Membership of a professional body, such as Engineering New Zealand provides additional assurance of the designer's standing within the profession. If the engineering firm is a member of ACE New Zealand, this provides additional assurance about the standing of the firm.

Persons or firms meeting these criteria satisfy the term "suitably qualified independent engineering professional".

Professional Indemnity Insurance

As part of membership requirements, ACE New Zealand requires all member firms to hold Professional Indemnity Insurance to a minimum level.

The PI Insurance minimum stated on the front of this form reflects standard practice for the relationship between the BCA and the engineering firm.

Professional Services during Construction Phase

There are several levels of service that an engineering firm may provide during the construction phase of a project (CM1-CM5 for engineers³). The building Consent Authority is encouraged to require that the service to be provided by the engineering firm is appropriate for the project concerned.

Requirement to provide Producer Statement PS4

Building Consent Authorities should ensure that the applicant is aware of any requirement for producer statements for the construction phase of building work at the time the building consent is issued as no design professional should be expected to provide a producer statement unless such a requirement forms part of the Design Firm's engagement.

Refer Also:

- 1 Conditions of Contract for Building & Civil Engineering Construction NZS 3910: 2013
- 2 NZIA Standard Conditions of Contract SCC 2011
- 3 Guideline on the Briefing & Engagement for Consulting Engineering Services (ACE New Zealand/Engineering New Zealand 2004)
- 4 PN01 Guidelines on Producer Statements

www.acenz.org.nz

www.engineeringnz.org

ROOF

Memorandum from licensed building practitioner: Record of building work

Section 88, Building Act 2004

Please fill in the form as fully and correctly as possible.

If there is insufficient room on the form for requested details, please continue on another sheet and attach the additional sheet(s) to this form.

THE BUILDING

Street address: 136 State Highway 26

Suburb: Newstead

Town/City: Hamilton

Postcode: 3286

THE PROJECT

Building consent number: DD007.2021.00043914.001

THE OWNER(S)

Name(s): Martin Cameron

Mailing address: 136 State Highway 26

Suburb: Newstead

PO Box/Private Bag:

Town/City: Hamilton

Postcode: 3286

Phone number: 022 444 4334

Email address: martin@cameron.co.nz

RECORD OF WORK THAT IS RESTRICTED BUILDING WORK

PRIMARY STRUCTURE

Work that is restricted building work	Description of restricted building work	Carried out or supervised
Tick <input checked="" type="checkbox"/>	If necessary, describe the restricted building work.	Tick <input checked="" type="checkbox"/> whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Foundations and subfloor framing <input type="radio"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Walls <input type="radio"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Roof <input checked="" type="radio"/>	Installed long run Trimrib 0.40 fixed with tek screws over self support underlay. All flashing 0.55 fixed with timber tek screws sealed with silicon and rivets	<input type="radio"/> Carried out <input checked="" type="radio"/> Supervised
Columns and beams <input type="radio"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Bracing <input type="radio"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Other <input type="radio"/>	Installed Facsia/Spouting fixed on internal brackets	<input type="radio"/> Carried out <input checked="" type="radio"/> Supervised

EXTERNAL MOISTURE MANAGEMENT SYSTEMS

Work that is restricted building work	Description of restricted building work	Carried out or supervised
Tick <input checked="" type="checkbox"/>	If necessary, describe the restricted building work.	Tick <input checked="" type="checkbox"/> whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Damp proofing <input type="radio"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Roof cladding or roof cladding system <input type="radio"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Ventilation system (for example, subfloor or cavity) <input type="radio"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Wall cladding or wall cladding system <input type="radio"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Waterproofing <input type="radio"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Other <input type="radio"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised

ISSUED BY

Name and contact details of the licensed building practitioner who is licensed to carry out or supervise restricted building work.

Name: **Corey Tarrant**

LBP number: **BP109 525**

Class(es) licensed in: **Roofing R2**

Plumbers, Gasfitters and Drainlayers registration number (if applicable):

Mailing address (if different from below):

Street address/Registered office: **12a Empire Street**

Suburb: **Frankton**

Town/City: **Hamilton**

PO Box/Private Bag

Postcode: **3200**

Phone number:

Mobile: **027 5377 627**

After hours:

Fax:

Email address: **ctrroofing@xtra.co.nz**

Website: **WWW.CTRROOFING.CO.NZ**

DECLARATION

I **Corey Tarrant** carried out or supervised the restricted building work recorded on this form.

Signature: 

Date:

12/10/2022

STEEL FRAMING
BEAMS
BRACING

Form 6A

Memorandum from licensed building practitioner: Record of building work

Section 88, Building Act 2004

Please fill in the form as fully and correctly as possible.

If there is insufficient room on the form for requested details, please continue on another sheet and attach the additional sheet(s) to this form.

THE BUILDING

Street address: 136 State Highway 26

Suburb: Newstead

Town/City: Hamilton

Postcode: 3286

THE PROJECT

Building consent number: DD007.2021.00043914.001

THE OWNER(S)

Name(s): Martin Cameron

Mailing address: 136 State Highway 26

Suburb: Newstead

PO Box/Private Bag:

Town/City: Hamilton

Postcode: 3286

Phone number: 022 444 4334

Email address: martin@cameron.co.nz

RECORD OF WORK THAT IS RESTRICTED BUILDING WORK

PRIMARY STRUCTURE

Work that is restricted building work	Description of restricted building work	Carried out or supervised
Tick <input checked="" type="checkbox"/>	If necessary, describe the restricted building work.	Tick <input checked="" type="checkbox"/> whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Foundations and subfloor framing <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Walls <input checked="" type="checkbox"/>	framing as per plans supplied	<input type="radio"/> Carried out <input checked="" type="radio"/> Supervised
Roof <input checked="" type="checkbox"/>	trusses as per plans supplied	<input type="radio"/> Carried out <input checked="" type="radio"/> Supervised
Columns and beams <input checked="" type="checkbox"/>	structural steel as per plans supplied	<input type="radio"/> Carried out <input checked="" type="radio"/> Supervised
Bracing <input checked="" type="checkbox"/>	gib hold downs as per plans supplied	<input type="radio"/> Carried out <input checked="" type="radio"/> Supervised
Other <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised

EXTERNAL MOISTURE MANAGEMENT SYSTEMS

Work that is restricted building work	Description of restricted building work	Carried out or supervised
Tick <input checked="" type="checkbox"/>	If necessary, describe the restricted building work.	Tick <input checked="" type="checkbox"/> whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Damp proofing <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Roof cladding or roof cladding system <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Ventilation system (for example, subfloor or cavity) <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Wall cladding or wall cladding system <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Waterproofing <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Other <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised

ISSUED BY

Name and contact details of the licensed building practitioner who is licensed to carry out or supervise restricted building work.

Name: **David Atkinson**

LBP number: **129668**

Class(es) licensed in:

Carpentry

Plumbers, Gasfitters and Drainlayers registration number (if applicable):

Mailing address (if different from below):

Street address/Registered office: **1 Brick St**

Suburb:

Town/City: **Te Aroha**

PO Box/Private Bag

Postcode: **3320**

Phone number:

Mobile: **021 525 719**

After hours:

Fax:

Email address: **david@steelhaus.co.nz**

Website: **www.steelhaus.co.nz**

DECLARATION

I, **David Atkinson**, carried out or supervised the restricted building work recorded on this form.

Signature: 

Date: **8/09/2022**

Fabricator Manufacturing Statement

SteelHaus 2014 Ltd.
12 Hautu Drive, Wiri
PO Box 98851 Manukau
Auckland 2241
info@steelhaus.co.nz
PH: 0508 826 766



Date: 12/07/2022
Client: Martin Cameron
Site Address: 136 State Highway 26, Newstead
Phone: 022 444 4334

Job Name: Martin Cameron
Legal Description: LOT 2 DP 556335
BC Number: DD007.2021.00043914.001
Email: martin@cameron.co.nz

This statement is issued by SteelHaus 2014 Limited to the client listed above and may be used by the Building Consent Authority to assist in determining compliance with the New Zealand Building Code.

SteelHaus 2014Ltd have sighted the above building consent and read the conditions of consent and confirm that SteelHaus 2014 Ltd have undertaken the manufacturing of steel wall frames and trusses as per the PS1, construction manual and the detailers design.

The steel for these wall frames and trusses have a Zinc coating weight of 275g/m² complying with AS 1397:2011. This design assumes that the steel, fixings and timber connectors are located in a "closed environment", as defined by NZS3604:2011 Section 4. The grade of this steel has a yield and tensile strength of 550MPa.

Signed:

Dated:

Tuesday, 12 July 2022

Steven Cook
Business Manager

ELECTRICAL



ELECTRICAL CERTIFICATE OF COMPLIANCE & ELECTRICAL SAFETY CERTIFICATE

REFERENCE/CERTIFICATE ID No.:

EE-22096C2

This form has been designed to be used by licensed electrical workers to certify that installations or Part installations under Part 1 or Part 2 of AS/NZS 3000 are safe to be connected to the specified system of electrical supply.

Location Details:

136 State Highway 26, Newstead, Waikato 3286

Contact Details:
(Name and address)

Martin Cameron martin@cameron.co.nz

Name of Electrical
worker:

Daniel Frost

Registration/Practising
licence number:

E264064

Phone & email:

021426428

Name and registration number
of person(s) supervised:

Certificate of Compliance

Type of work:

☐ Addition
☐ Low risk☐ Alteration
☐ General☒ New work
☒ High-risk (Specify):

The prescribed electrical work is:

Mains, main earth MEN point

Means of compliance:

☐ Part 1 of AS/NZS 3000 ☒ Part 2 of AS/NZS 3000Additional Standards or electrical code of practice were required: ☒ No ☐ Yes (specify):

Date or range of dates that prescribed electrical work undertaken: 27/6/2022 to 2/6/2023

Contains fittings that are safe to connect to a power supply?

☒ Yes ☐ No

Specify type of supply system: 400v M E N system

The installation has an earthing system that is correctly rated (where applicable) ☒ Yes ☐ No

Parts of the installation to which this certificate relates that are safe to connect to a power supply?

☒ All ☐ Parts (specify)

The work relies on manufacturers instructions:

☐ Yes ☒ No

If yes – identify the instruction manual including name, date and version. Also attach a copy of manufacturer's instructions to this certificate.

(Or provide reference to readily accessible electronic format, eg Internet link.)

Identify:

Link:

The work has been done in accordance with a certified design: ☐ Yes ☒ No

If yes – identify the certified design including name, date and version. Also attach a copy of the certified design to this certificate.

(Or provide reference to readily accessible electronic format, eg Internet link.)

Identify:

Link:

The work relies on a Supplier Declaration of Conformity (SDoC): ☒ Yes ☐ No

If yes - identify the SDoC including name, date and version OR EESS registration. Also attach a copy of the SDoC to this certificate.

(Or provide reference to readily accessible electronic format, eg Internet link.)

Identify:

Link: www.jarussell.co.nz

The installation has been satisfactorily tested in accordance with the Electricity (Safety) Regulations 2010 ☐ No ☒ Yes

Description of Work:

New Build
4 core 70mm alloy mains tailed down to 25mm² copper. New Main combi board, New
M E N point, new earthing system, 2 sub boards, power, lighting and hot water circuits.
Includes light switches, power points and lights.

Test Results (provide values)

Polarity (independent earth):	Correct
Insulation resistance:	>200 Meg ohms
Earth Continuity:	.48 Ohms
Bonding:	.42 Ohms
Fault Loop Impedance:	Ohms
Other (specify):	

By signing this document I certify that the completed prescribed electrical work to which this Certificate of Compliance applies has been done lawfully and safely, and the information in the certificate is correct.

Certifier's signature:

Date: 19/6/2023

Electrical Safety Certificate

By signing this document I certify that the installation, or part of the installation, to which this Electrical Safety Certificate applies is connected to a power supply and is safe to use.

Certifier's name:

Daniel Frost

Registration/Practising

licence number:

E264064

Certifier's
signature:Certificate
Issue Date:

19/6/2023

Connection Date:

19/6/2023

CUSTOMER COPY – THIS IS AN IMPORTANT DOCUMENT AND SHOULD BE RETAINED FOR A MINIMUM OF 7 YEARS

This Electrical Safety Certificate also confirms that the electrical work complies with the building code for the purposes of Section 19(1)(e) of the Building Act 2004.

BATHROOM **WATERPROOFING**

Producer Statement Construction (PS3) / Memorandum of Completion and Compliance

Issued by:
(Construction Reviewer)

Richard Hartley

Building Consent number:

DD007.2021.00043914.00

Company Name:

Hartley Tiling Ltd

To: ☒ Hamilton City Council ☐ Hauraki District Council ☐ Matamata-Piako District Council ☐ Otorohanga District Council
☐ Thames-Coromandel District Council ☐ Waikato District Council ☐ Waipa District Council ☐ Waitomo District Council

Waikato Building Consent Group Reg. No.:

0314

Expiry Date:

14/01/24

Other No. (specify):

Owner:

Martin Cameron

Project Address:

136 State Highway 26 Newstead

Lot:

DP:

Description of Building Work:

new dwelling

Scope of work covered by statement:

wet area bathrooms

System / Product used (if applicable):

Ardex 155 Rapid

I (Construction Reviewer's name):

Richard Hartley

have been engaged by (owner/developer/contractor):

Martin Cameron

In respect of (tick applicable):

☒ The requirements of the Building Regulations 1992, Clause(s): (Please be specific e.g. E2.3.5)

E3

☐ Alternative Solution(s):

for the building work described by the drawings and specifications prepared by the design firm titled:

numbered:

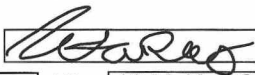
☐ Copies attached

authorised amendments(s):
(if applicable)

☐ Copies attached

- ☒ I have sighted the Building Consent and read the Advisory Notes. I can confirm that the building works have been carried out in accordance with the requirements of the New Zealand Building Code, the Building Consent, the design drawings and specifications, and in accordance with the listed amendments (if any).
- ☒ I confirm that all work I have undertaken has been within the scope of my skills, knowledge, and experience. I have remained within the scope of works set for me by the "Waikato Building Consent Group Producer Statement Author register (if applicable).
- ☒ I understand that this Statement, if accepted, may be relied upon for the purpose of establishing compliance with the Building Code and the Building Consent.
- ☒ I am satisfied the building work complies with the requirements of the Building Consent and the New Zealand Building Code.

Signed by
(Construction Reviewer):



Name of Constructor
(Print clearly):

R Hartley

Date:

27/02/23

Address:

16 McKee Street Pukete Hamilton

Ph:

021558453

Mb:

Fx:

Email:

Qualifications
/ Experience:

NZQA reg tile installer / Ardex approved applicator

*The Waikato Building Consent Group Producer Statement Author register is held by the Waikato Building Consent Group, Email: info@buildwaikato.co.nz For information on the Waikato Building Consent Group visit the [Build Waikato](https://www.buildwaikato.co.nz) website.

DRAINAGE

PS 03 Template Version 2023-01-27

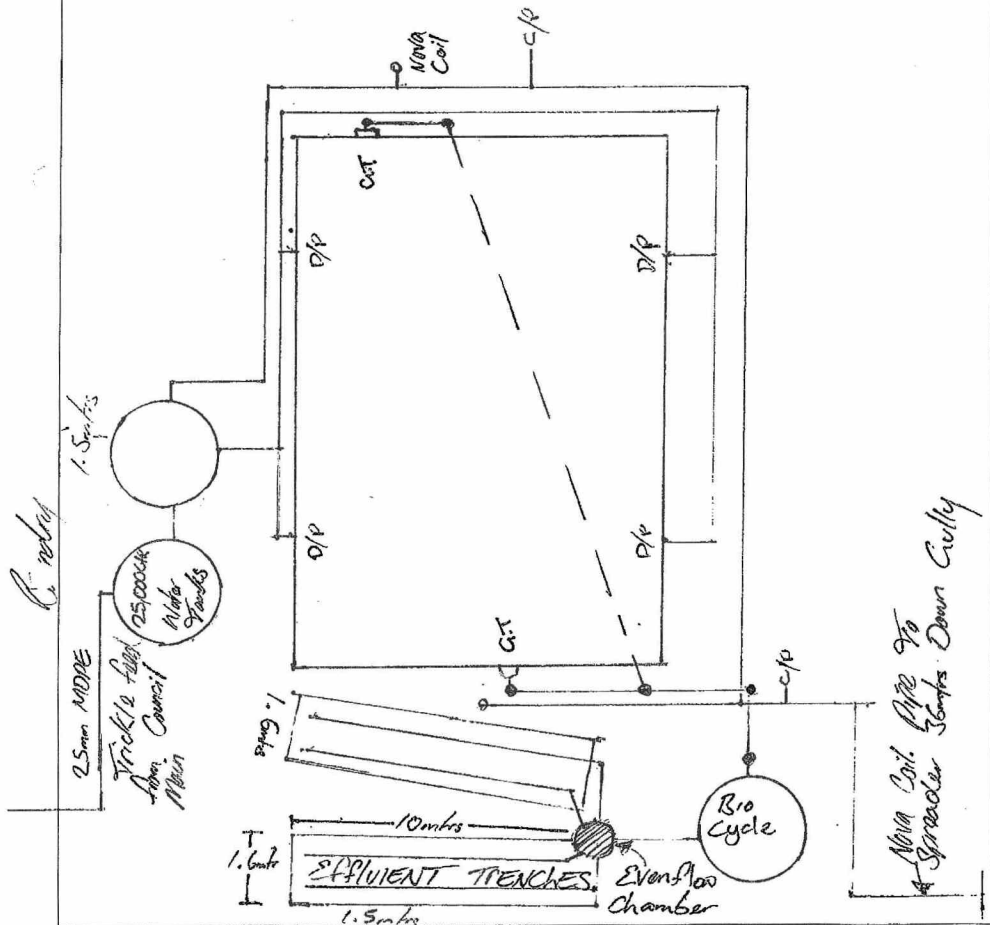


As Laid Drainage

Working Together

Building Consent Number: DD 007-2021-0003910001 Date: 3/1/23 No. of pages: 1/23Building Address: 136 State Highway 26Drain Layer Name: Alan Rawson [Please print clearly] Signature: [Signature]Registration Number: 13490 Business Name: Rawson Plumbing

To Council: (Tick)

☒ Hamilton ☐ Hauraki ☐ Matamata-Piako ☐ Otorohanga ☐ Thames-Coromandel ☐ Waipa ☐ Waikato ☐ Waitomo

PLUMBING

Plumbing Pressure Test Memorandum

Issued by:
(Plumber)

Nick Whelan

Registration
Number:

22327

Company
Name:

Advance Plumbing and Gas

Company
Address:

17 Woodward Street
Hamilton

Company
Contact
Details:

Ph: 0800 999 441

Mb:

Fx:

To:

- ☒ Hamilton City Council ☐ Hauraki District Council ☐ Matamata-Piako District Council ☐ Otorohanga District Council
☐ Thames-Coromandel District Council ☐ Waikato District Council ☐ Waipa District Council ☐ Waitomo District Council

Building
Consent
Number:

2021.00043914.001

Building
Owner:

Martin Cameron

Project
Address:

136 State Highway 26, Newstead

Description
of Building
Work:

Completion of a pressure test on the plumbing system

Scope of work
covered by
statement:

We certify that the system was tested to 1500kpa for a period of 30 minutes. This test was conducted in accordance with manufacturer recommendations and complies with the pressure testing provisions of the New Zealand Building Code and Approved Solution G12 AS1 and AS/NZS3500.1:2 as appropriate.

☒ I understand that this Statement, if accepted, may be relied upon for the purpose of establishing compliance with the Building Code and Building Consent.

Signed by:
(Plumber)



Date:

9-8-23

As Laid Drainage

Working Together

Building Consent Number: 2021.00043914.001 Date: 9 / 8 / 23 No. of pages: /

Building Address: 136 state highway 26, Newstead

Drain Layer Name: Nick Whelan

[Please print clearly] Signature:

Registration Number: 22327

Business Name: Advance Plumbing and Gas.

To Council: *[Tick]*

☒ Hamilton ☐ Hauraki ☐ Matamata-Piako ☐ Otorohanga ☐ Thames-Coromandel ☐ Waipa ☐ Waikato ☐ Waitomo

