

Appendix 2: CRC223819

RESOURCE CONSENT CRC223819

Pursuant to Section 104 of the Resource Management Act 1991

The Canterbury Regional Council (known as Environment Canterbury)

GRANTS TO: Rhys Dylan Narbey

A DISCHARGE PERMIT (S15): To discharge contaminants onto land

COMMENCEMENT DATE: 06 Apr 2022

DATE CONSENT NUMBER ISSUED: 06 Apr 2022

EXPIRY DATE: 06 Apr 2037

LOCATION: 860 Waterholes Road, Rolleston

SUBJECT TO THE FOLLOWING CONDITIONS:

- 1 The discharge shall be only domestic wastewater originating from a property with legal description Section 24 SO 493604 located at 860 Waterholes Road, Rolleston as shown on Plan CRC223819A, attached to and forming part of this resource consent.
- 2 The discharge shall be only from a single dwelling with a maximum of either three, four, five, or six bedrooms.
- 3 The volumes of wastewater discharged for the single dwelling option shall not exceed the following limits:
 - a. Three bedroom: 1,000 litres per day
 - b. Four bedroom: 1,400 litres per day
 - c. Five bedroom: 1,600 litres per day
 - d. Six bedroom: 2,000 litres per day
- 4 The wastewater shall be discharged into land only at or about NZTM20001556607mE and 5175669mN via land application system located within the discharge envelope shown on Plan CRC223819A and Plan CRC223819B attached to and forming part of this consent.
- 5 Prior to discharge to the land application system, the wastewater shall:
 - a. Receive primary treatment in a three-chamber septic tank wastewater treatment system, or an alternative treatment system which provides the same or better quality treatment; and
 - b. Pass through a proprietary effluent filter.

- 6 The wastewater treatment system and land application system shall not include chlorine disinfection.
- 7 After exiting the treatment system, the wastewater shall be pumped to a land application system constructed in accordance with the designed shown on Plan CRC223819B attached to and forming part of this resource consent, and as described below:

Sand Trench

- a. A layer of sand, of a grade that fits within the 2A envelope shown on Diagram One, attached to and forming part of this resource consent, shall be installed beneath the base of the distribution pipes;
 - b. The land application system shall have the following minimum area:
 - i. Three-bedroom dwelling: 21.6 square metres
 - ii. Four-bedroom dwelling: 25 square metres
 - iii. Five-bedroom dwelling: 30 square metres
 - iv. Six-bedroom dwelling: 33.3 square metre
 - c. The layer of graded sand shall be a minimum depth of 600millimetres;
 - d. The base of the 2A sand layer shall be a maximum of 1,200millimetres below ground level;
 - e. A layer of free draining gravels shall be installed beneath the 2A sand layer to a depth where free draining in situ soils are intercepted.
- 8 The wastewater shall be evenly dosed over the land application system at a rate not exceeding 50 millimetres per day.
- 9 The perimeter of the land application system shall be fenced, or shall be clearly demarcated by vegetation and/or signage and the consent holder shall ensure that there is no activity undertaken on top of the land application system that may cause damage to the disposal system (for example: stock grazing, car parking or deep rooted trees).
- Advice note: If vegetation is used to demarcate the LAS, locally sourced indigenous vegetation should be used as far as practicable.*
- 10 A minimum depth of 200 millimetres of unsaturated soil shall be maintained at all times between the base of the 2A sand layer and the highest groundwater level.
- 11 There shall be no ponding of treated or untreated wastewater on the land surface and no overland discharge of treated or untreated wastewater.
- 12 There shall be no discharge:
 - a. Within 20 metres of any surface water body; and
 - b. To surface water as a consequence of the exercise of this consent.
- 13 There shall be no discharge within 50 metres in any direction, of any authorised and/or existing bores.

- 14 Within one month of the installation of the treatment and land application system, the consent holder shall provide to the Canterbury Regional Council, Attention Regional Leader - Monitoring and Compliance, the following:
- a. A signed copy of a compliance certificate certifying:
 - i. that the installation of the wastewater treatment system, land application system, any ancillary treatment devices and associated pipework has been installed by a person with at least two years' experience in the installation of such systems; and
 - ii. the installed wastewater treatment system is capable of achieving the treatment standard and separation to groundwater specified in condition (5) and (10) of this consent; and
 - iii. that the system has been installed in accordance with the conditions of this consent.
 - b. A copy of a signed 'as built plan' which clearly shows the location of the installed wastewater treatment system and land application system, and the separation to property boundaries and surface waterbodies; and
 - c. Photographs which show:
 - i. the height of the installed distribution lines relative to ground level; and
 - ii. fencing or signage or vegetation demarcating the perimeter of the land application system
- 15 The wastewater treatment and land application system shall be serviced and maintained at least once every twelve months by a qualified person with at least two years' experience in the maintenance of such systems. The maintenance shall include but not be limited to:
- a. Ensuring that the lid(s) of the wastewater treatment system are readily accessible at all times;
 - b. Measuring the depth of solids and scum in the wastewater treatment system(s);
 - c. Pumping out the wastewater treatment tank(s) if the solids and scum layers combined are greater than one half the depth of the wastewater treatment tank(s);
 - d. Removal of the sludge from the base of pump chamber(s) when the sludge is at a maximum depth of 60 millimetres.
 - e. A visual inspection of the components outlined in the clauses below, and cleaning, repairing or replacing as required:
 - i. proprietary effluent filter;
 - ii. electrical parts;
 - iii. audible alarms; and
 - iv. the distribution pump;
 - f. Flushing the distribution lines;

- g. Inspection of the distribution pipes at the site of the land application system to ensure that they are operating correctly and replacing as required;
- 16 Within one month of the installation of the wastewater treatment and land application system, the consent holder shall provide to the Canterbury Regional Council, Attention Regional Leader - Monitoring and Compliance, assigned copy of a maintenance contract or agreement. The maintenance contract:
- a. Shall be with the system supplier or an alternative contractor experienced in the maintenance of the wastewater treatment and land application system;
 - b. Shall specify details of the maintenance required under condition (15) of this consent; and
 - c. If the contract changes during the duration of this consent, a new contract in accordance with (a) and (b) of this condition shall be forwarded to the Canterbury Regional Council, Attention Regional Leader - Monitoring and Compliance, within one month of the contract being signed.
- 17 Following every service, a written report shall be prepared and kept by the consent holder. In addition, the consent holder shall keep written records of all repairs made to any part of the wastewater treatment and land application system. The consent holder shall forward a copy of the written reports and records of repairs to the Canterbury Regional Council, Attention Regional Leader - Monitoring and Compliance, on request.
- 18 The Canterbury Regional Council may, once per year, on any of the last five working days of May or November, serve notice of its intention to review the conditions of this consent for the purposes of:
- a. Dealing with any adverse effect on the environment that may arise from the exercise of the consent or
 - b. Requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
- Advice Note:** *On sale of the property, the consent holder shall inform the new property owner of the volume and location of the wastewater discharge, maintenance requirements and the requirement to comply with consent conditions.*
- 19 If this consent is not exercised before 26 June 2027 it shall lapse in accordance with section 125 of the Resource Management Act 1991.

Issued at Christchurch on 6 April 2022

Canterbury Regional Council

Plan CRC223819A



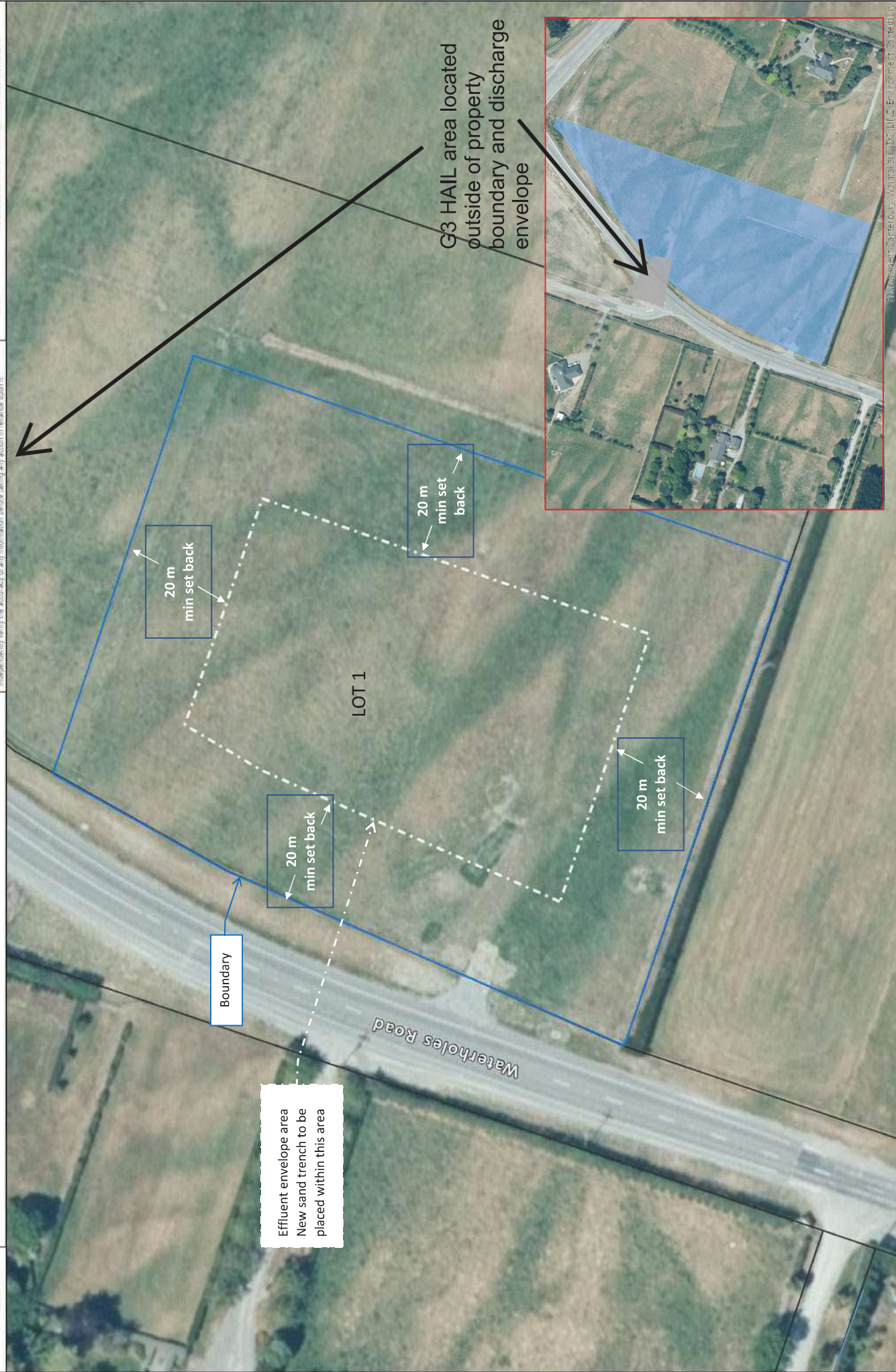
Land application envelope for 860 Waterholes Road, Rolleston
Rhys Narbey
Lot 1 of SO 493604
Section Size: 1ha

Peter Hansen
DRAINAGE

Information has been derived from various organisations, including Environment Canterbury and the Department of Conservation. The user should independently verify the accuracy of any information before taking any action in reliance upon it.



0 0.01 0.02 0.03 0.03 Kilometres
Scale: 1:600 @A3
Map Created by Canterbury Maps on 3/03/2022 at 10:23 AM

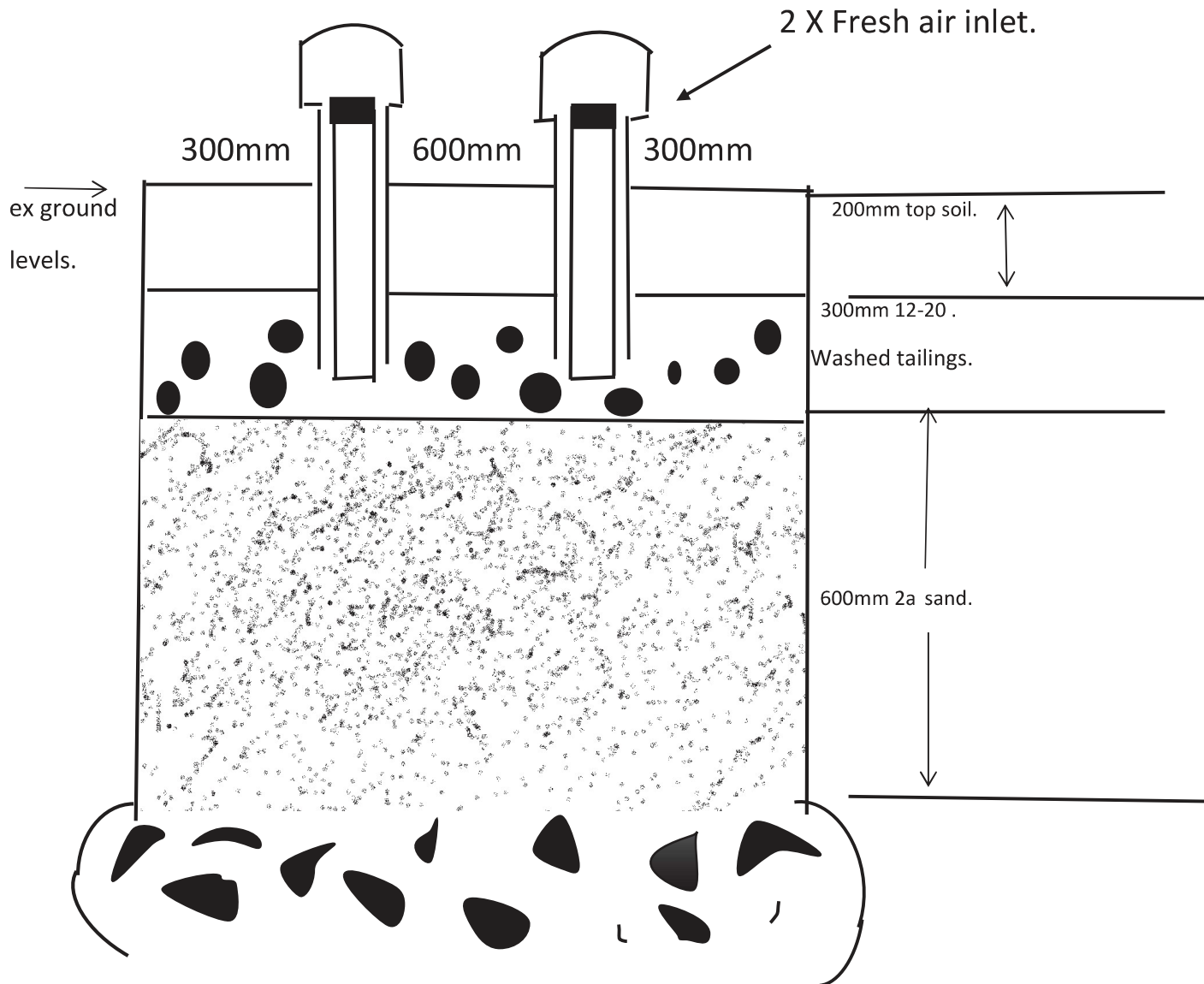


Plan CRC223819B

Peter Hansen

DRAINAGE LTD.

Effluent sand trench cross section.

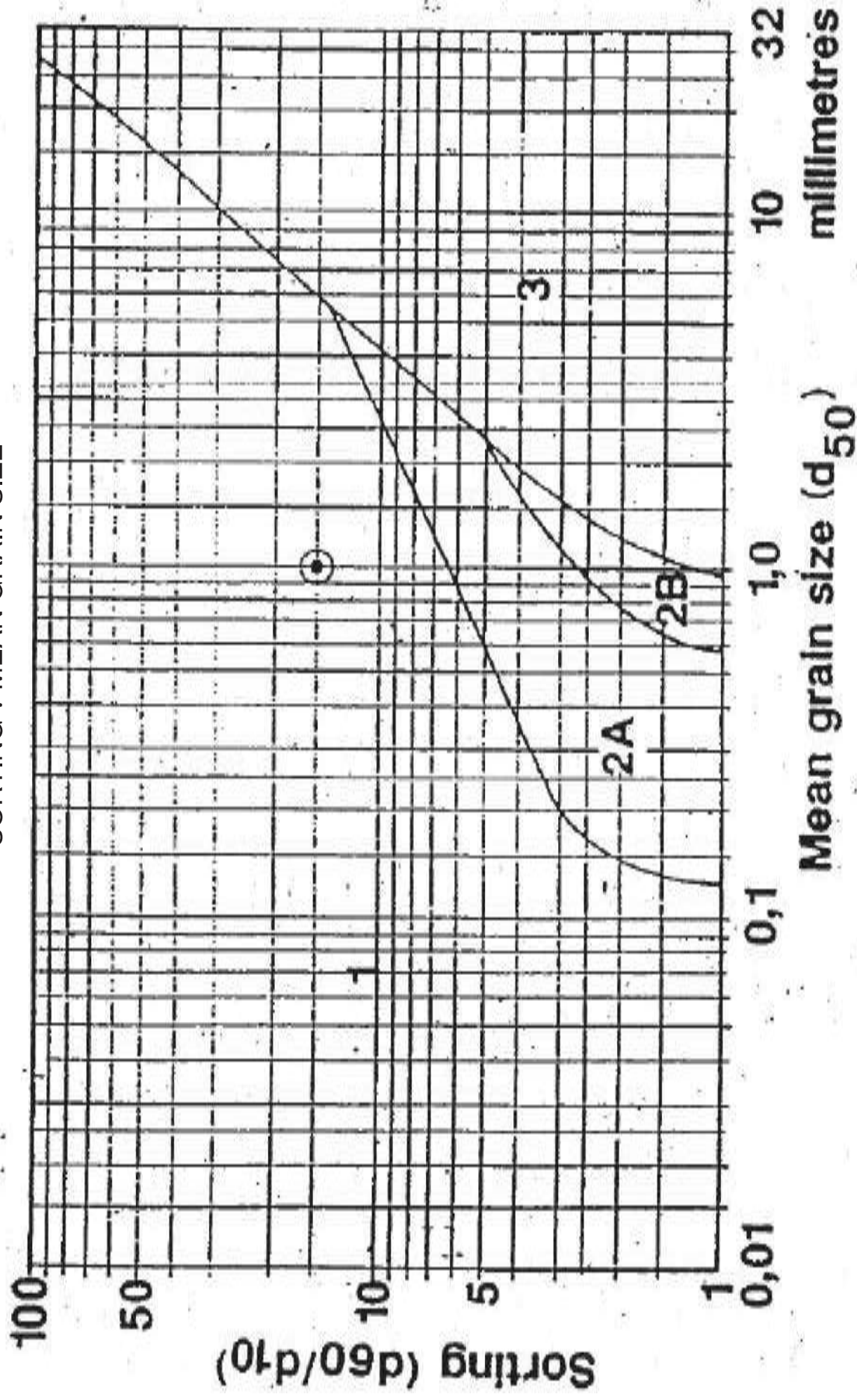


FILTER CLOTH MUST BE PLACED DOWN THE SIDES AND AT THE TOP

Refer to Table 2 for sand trench area and loading rate. Alk from the septic tank to be 32mm ldp and join into the middle of the discharge 2 fresh air inlets to be placed at each end.

CRC223819 DIAGRAM ONE

SORTING v MEAN GRAIN SIZE



Exercising of Resource Consent CRC223819

It is important that you notify Environment Canterbury when you first start using your consent.

GRANTED TO:	Rhys Dylan Narbey
A DISCHARGE PERMIT (S15):	To discharge contaminants onto land
LOCATION:	860 Waterholes Road, Rolleston

Even if the consent is replacing a previous consent for the same activity, you need to complete and return this page.

A consent can only be made active after the activity has commenced and all pre-requisite conditions have been fulfilled e.g. installation of water meter and/or fish screen. If you require further advice, please contact our Customer Services section on 0800 324 636 or by email at ecinfo@ecan.govt.nz.

Providing this information will:

- Validate your consent through to its expiry date
- Minimise compliance monitoring charges
- Help provide an accurate picture of the state of the environment.

If consent CRC223819 is not used before 26 June 2027 this consent will lapse and no longer be valid.

Declaration:

I have started using this resource consent.

Action taken (e.g. pasture irrigated, discharge from septic tank/boiler/spray booth etc):

Date I started using this resource consent (Note: this date cannot be in the future): _____

Signed: _____ **Date:** _____

Full name of person signing (please print): _____

Please return to:

**Business Support
Environment Canterbury
PO Box 345
Christchurch 8140**

**Fax: (03) 365 3194
Email: ecinfo@ecan.govt.nz**

**File: CRC223819
Customer No: EC312711**

RESOURCE CONSENT CRC223819

Pursuant to Section 104 of the Resource Management Act 1991

The Canterbury Regional Council (known as Environment Canterbury)

GRANTS TO: Rhys Dylan Narbey

A DISCHARGE PERMIT (S15): To discharge contaminants onto land

COMMENCEMENT DATE: 06 Apr 2022

DATE CONSENT NUMBER ISSUED: 06 Apr 2022

EXPIRY DATE: 06 Apr 2037

LOCATION: 860 Waterholes Road, Rolleston

SUBJECT TO THE FOLLOWING CONDITIONS:

- 1 The discharge shall be only domestic wastewater originating from a property with legal description Section 24 SO 493604 located at 860 Waterholes Road, Rolleston as shown on Plan CRC223819A, attached to and forming part of this resource consent.
- 2 The discharge shall be only from a single dwelling with a maximum of either three, four, five, or six bedrooms.
- 3 The volumes of wastewater discharged for the single dwelling option shall not exceed the following limits:
 - a. Three bedroom: 1,000 litres per day
 - b. Four bedroom: 1,400 litres per day
 - c. Five bedroom: 1,600 litres per day
 - d. Six bedroom: 2,000 litres per day
- 4 The wastewater shall be discharged into land only at or about NZTM20001556607mE and 5175669mN via land application system located within the discharge envelope shown on Plan CRC223819A and Plan CRC223819B attached to and forming part of this consent.
- 5 Prior to discharge to the land application system, the wastewater shall:
 - a. Receive primary treatment in a three-chamber septic tank wastewater treatment system, or an alternative treatment system which provides the same or better quality treatment; and
 - b. Pass through a proprietary effluent filter.

- 6 The wastewater treatment system and land application system shall not include chlorine disinfection.
- 7 After exiting the treatment system, the wastewater shall be pumped to a land application system constructed in accordance with the designed shown on Plan CRC223819B attached to and forming part of this resource consent, and as described below:

Sand Trench

- a. A layer of sand, of a grade that fits within the 2A envelope shown on Diagram One, attached to and forming part of this resource consent, shall be installed beneath the base of the distribution pipes;
 - b. The land application system shall have the following minimum area:
 - i. Three-bedroom dwelling: 21.6 square metres
 - ii. Four-bedroom dwelling: 25 square metres
 - iii. Five-bedroom dwelling: 30 square metres
 - iv. Six-bedroom dwelling: 33.3 square metre
 - c. The layer of graded sand shall be a minimum depth of 600millimetres;
 - d. The base of the 2A sand layer shall be a maximum of 1,200millimetres below ground level;
 - e. A layer of free draining gravels shall be installed beneath the 2A sand layer to a depth where free draining in situ soils are intercepted.
- 8 The wastewater shall be evenly dosed over the land application system at a rate not exceeding 50 millimetres per day.
- 9 The perimeter of the land application system shall be fenced, or shall be clearly demarcated by vegetation and/or signage and the consent holder shall ensure that there is no activity undertaken on top of the land application system that may cause damage to the disposal system (for example: stock grazing, car parking or deep rooted trees).
- Advice note: If vegetation is used to demarcate the LAS, locally sourced indigenous vegetation should be used as far as practicable.*
- 10 A minimum depth of 200 millimetres of unsaturated soil shall be maintained at all times between the base of the 2A sand layer and the highest groundwater level.
- 11 There shall be no ponding of treated or untreated wastewater on the land surface and no overland discharge of treated or untreated wastewater.
- 12 There shall be no discharge:
 - a. Within 20 metres of any surface water body; and
 - b. To surface water as a consequence of the exercise of this consent.
- 13 There shall be no discharge within 50 metres in any direction, of any authorised and/or existing bores.

- 14 Within one month of the installation of the treatment and land application system, the consent holder shall provide to the Canterbury Regional Council, Attention Regional Leader - Monitoring and Compliance, the following:
- a. A signed copy of a compliance certificate certifying:
 - i. that the installation of the wastewater treatment system, land application system, any ancillary treatment devices and associated pipework has been installed by a person with at least two years' experience in the installation of such systems; and
 - ii. the installed wastewater treatment system is capable of achieving the treatment standard and separation to groundwater specified in condition (5) and (10) of this consent; and
 - iii. that the system has been installed in accordance with the conditions of this consent.
 - b. A copy of a signed 'as built plan' which clearly shows the location of the installed wastewater treatment system and land application system, and the separation to property boundaries and surface waterbodies; and
 - c. Photographs which show:
 - i. the height of the installed distribution lines relative to ground level; and
 - ii. fencing or signage or vegetation demarcating the perimeter of the land application system
- 15 The wastewater treatment and land application system shall be serviced and maintained at least once every twelve months by a qualified person with at least two years' experience in the maintenance of such systems. The maintenance shall include but not be limited to:
- a. Ensuring that the lid(s) of the wastewater treatment system are readily accessible at all times;
 - b. Measuring the depth of solids and scum in the wastewater treatment system(s);
 - c. Pumping out the wastewater treatment tank(s) if the solids and scum layers combined are greater than one half the depth of the wastewater treatment tank(s);
 - d. Removal of the sludge from the base of pump chamber(s) when the sludge is at a maximum depth of 60 millimetres.
 - e. A visual inspection of the components outlined in the clauses below, and cleaning, repairing or replacing as required:
 - i. proprietary effluent filter;
 - ii. electrical parts;
 - iii. audible alarms; and
 - iv. the distribution pump;
 - f. Flushing the distribution lines;

- g. Inspection of the distribution pipes at the site of the land application system to ensure that they are operating correctly and replacing as required;
- 16 Within one month of the installation of the wastewater treatment and land application system, the consent holder shall provide to the Canterbury Regional Council, Attention Regional Leader - Monitoring and Compliance, assigned copy of a maintenance contract or agreement. The maintenance contract:
- a. Shall be with the system supplier or an alternative contractor experienced in the maintenance of the wastewater treatment and land application system;
 - b. Shall specify details of the maintenance required under condition (15) of this consent; and
 - c. If the contract changes during the duration of this consent, a new contract in accordance with (a) and (b) of this condition shall be forwarded to the Canterbury Regional Council, Attention Regional Leader - Monitoring and Compliance, within one month of the contract being signed.
- 17 Following every service, a written report shall be prepared and kept by the consent holder. In addition, the consent holder shall keep written records of all repairs made to any part of the wastewater treatment and land application system. The consent holder shall forward a copy of the written reports and records of repairs to the Canterbury Regional Council, Attention Regional Leader - Monitoring and Compliance, on request.
- 18 The Canterbury Regional Council may, once per year, on any of the last five working days of May or November, serve notice of its intention to review the conditions of this consent for the purposes of:
- a. Dealing with any adverse effect on the environment that may arise from the exercise of the consent or
 - b. Requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
- Advice Note:** *On sale of the property, the consent holder shall inform the new property owner of the volume and location of the wastewater discharge, maintenance requirements and the requirement to comply with consent conditions.*
- 19 If this consent is not exercised before 26 June 2027 it shall lapse in accordance with section 125 of the Resource Management Act 1991.

Issued at Christchurch on 6 April 2022

Canterbury Regional Council

Plan CRC223819A



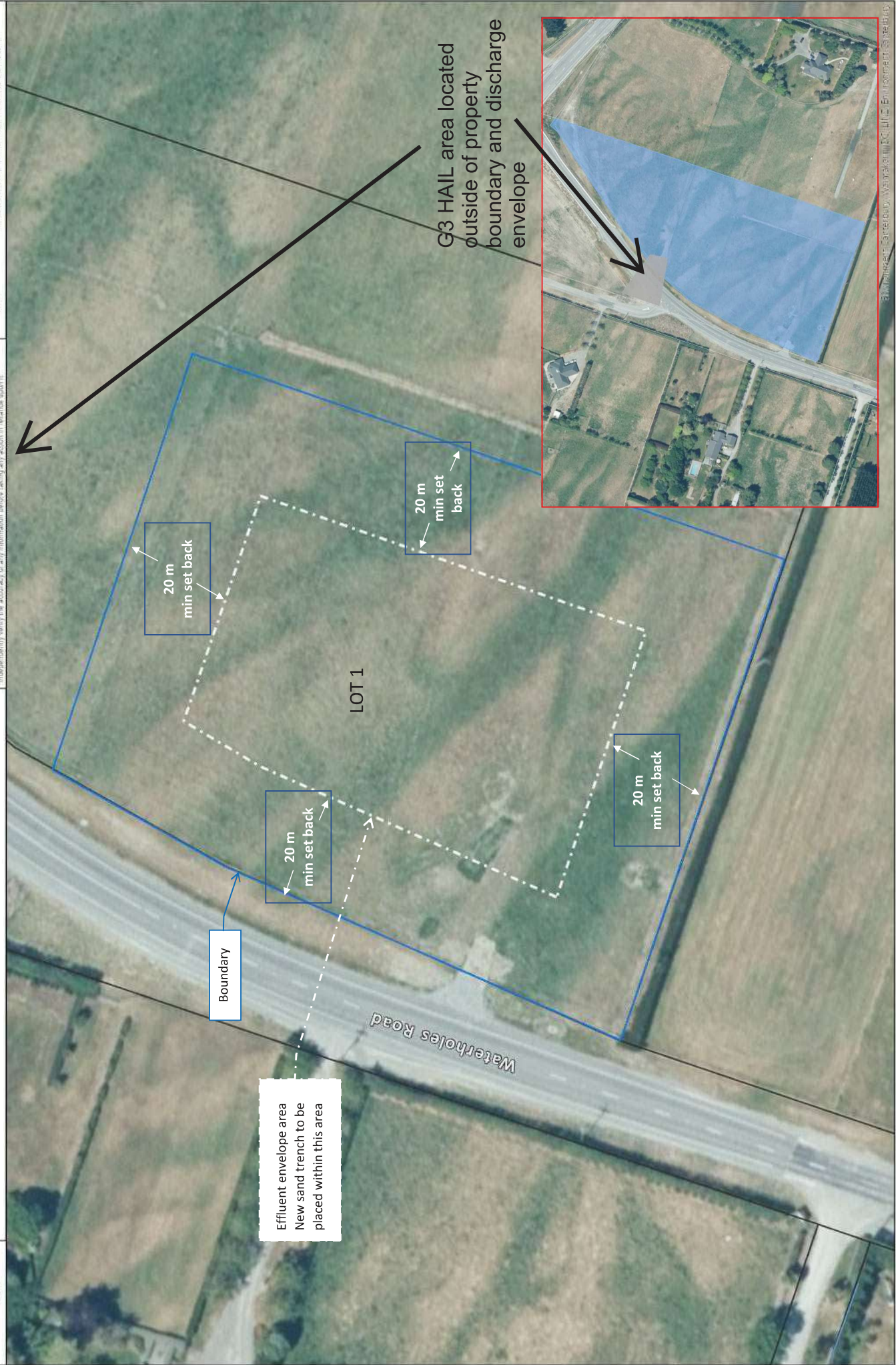
Land application envelope for 860 Waterholes Road, Rolleston
Rhys Narbey
Lot 1 of SO 493604
Section Size: 1ha

Peter Hansen
DRAINAGE

Information has been derived from various organisations, including Environment Canterbury and the Department of Conservation. The user should independently verify the accuracy of any information before taking any action in reliance upon it.



0 0.01 0.02 0.03 0.03 Kilometres
Scale: 1:600 @A3
Map Created by Canterbury Maps on 3/03/2022 at 10:23 AM

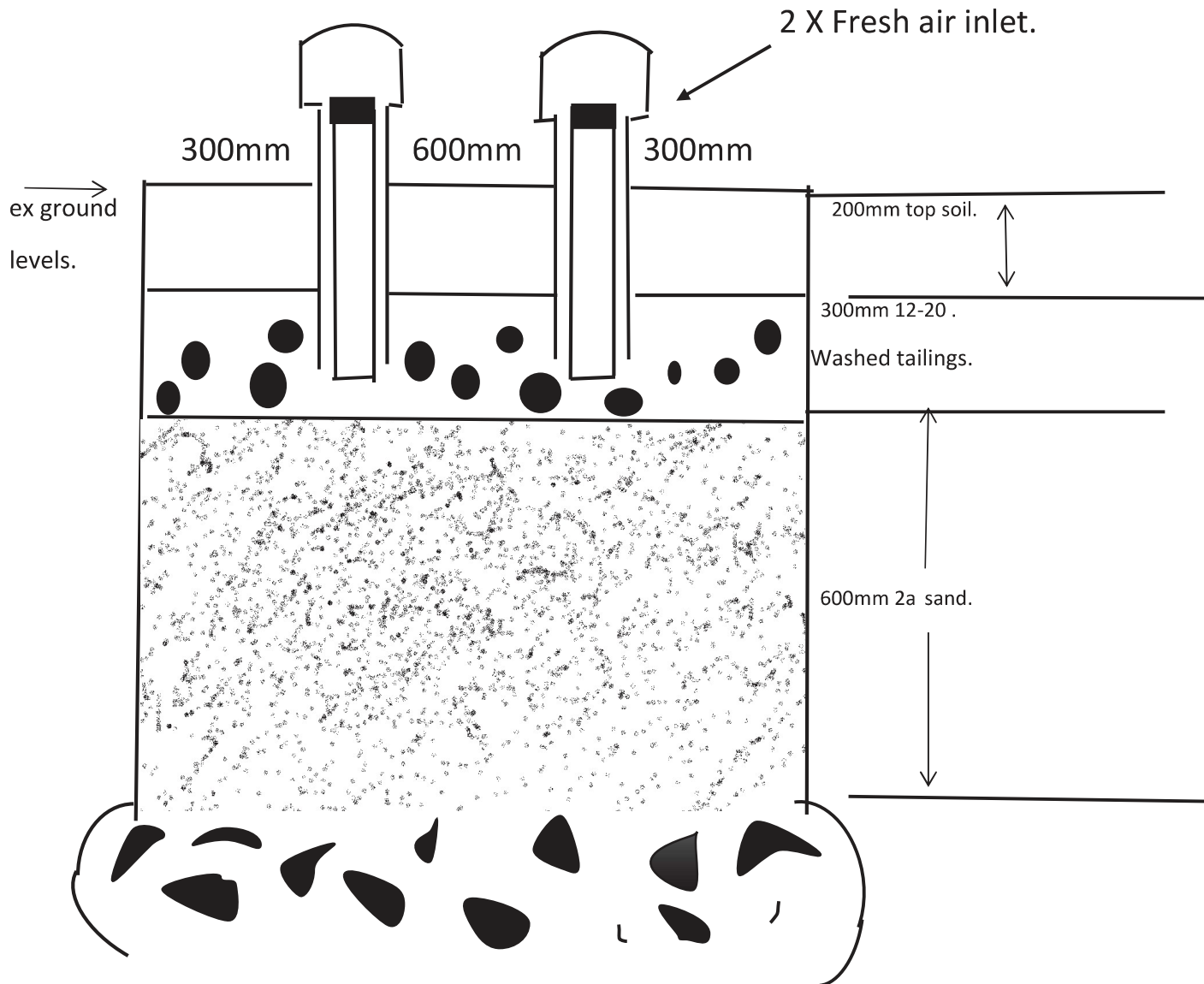


Plan CRC223819B

Peter Hansen

DRAINAGE LTD.

Effluent sand trench cross section.

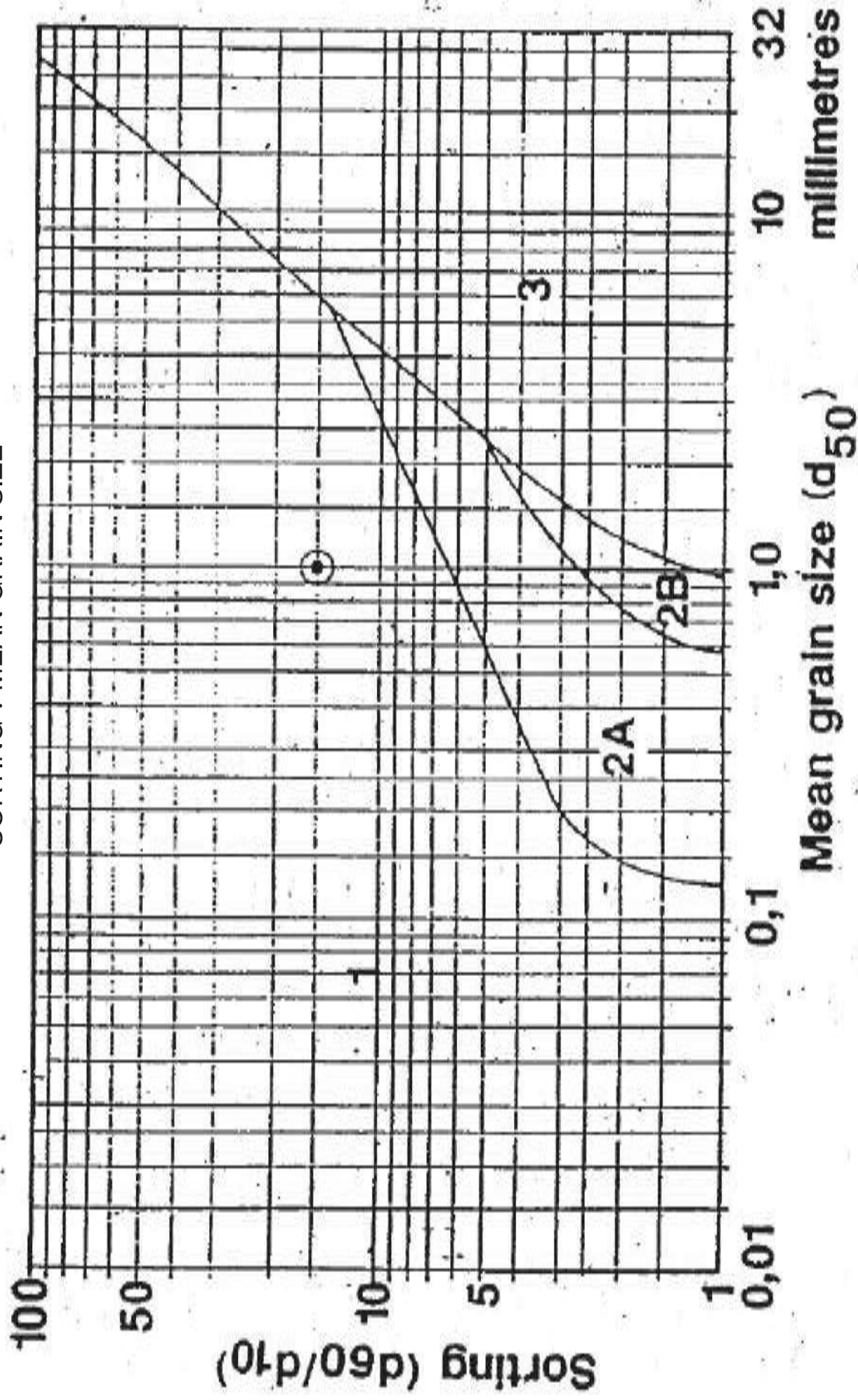


FILTER CLOTH MUST BE PLACED DOWN THE SIDES AND AT THE TOP

Refer to Table 2 for sand trench area and loading rate. Alk from the septic tank to be 32mm ldp and join into the middle of the discharge 2 fresh air inlets to be placed at each end.

CRC223819 DIAGRAM ONE

SORTING v MEAN GRAIN SIZE



Exercising of Resource Consent CRC223819

It is important that you notify Environment Canterbury when you first start using your consent.

GRANTED TO:	Rhys Dylan Narbey
A DISCHARGE PERMIT (S15):	To discharge contaminants onto land
LOCATION:	860 Waterholes Road, Rolleston

Even if the consent is replacing a previous consent for the same activity, you need to complete and return this page.

A consent can only be made active after the activity has commenced and all pre-requisite conditions have been fulfilled e.g. installation of water meter and/or fish screen. If you require further advice, please contact our Customer Services section on 0800 324 636 or by email at ecinfo@ecan.govt.nz.

Providing this information will:

- Validate your consent through to its expiry date
- Minimise compliance monitoring charges
- Help provide an accurate picture of the state of the environment.

If consent CRC223819 is not used before 26 June 2027 this consent will lapse and no longer be valid.

Declaration:

I have started using this resource consent.

Action taken (e.g. pasture irrigated, discharge from septic tank/boiler/spray booth etc):

Date I started using this resource consent (Note: this date cannot be in the future): _____

Signed: _____ **Date:** _____

Full name of person signing (please print): _____

Please return to:

**Business Support
Environment Canterbury
PO Box 345
Christchurch 8140**

**Fax: (03) 365 3194
Email: ecinfo@ecan.govt.nz**

**File: CRC223819
Customer No: EC312711**