



**PUBLIC**

# Agenda

Notice is hereby given of a  
**District Infrastructure Committee Meeting**

**Tuesday 12 September 2017**

to follow the  
Environmental Services and Finance Committee  
Meeting

Council Chamber  
Waimate District Council  
125 Queen Street  
Waimate

[www.waimatedc.govt.nz](http://www.waimatedc.govt.nz)

**Notice is hereby given that a meeting of the District Infrastructure Committee will be held in the Council Chamber, Waimate District Council, 125 Queen Street, Waimate, on Tuesday 12 September 2017, to follow the Environmental Services and Finance Committee Meeting.**

### **Committee Membership**

Miriam Morton	Chair
Tom O'Connor	Deputy Chair
Craig Rowley	Mayor
Sharyn Cain	Deputy Mayor
David Anderson	Councillor
Peter Collins	Councillor
Jakki Guilford	Councillor
David Owen	Councillor
Sheila Paul	Councillor

Quorum – no less than five members

### **Local Authorities (Members' Interests) Act 1968**

Councillors are reminded that if they have a pecuniary interest in any item on the agenda, then they must declare this interest and refrain from discussing or voting on this item and are advised to withdraw from the meeting table.

### **Significance Consideration**

Evaluation: Council officers, in preparing these reports have had regard to Council's Significance and Engagement Policy. Council and Committee members will make the final assessment on whether the subject under consideration is to be regarded as being significant or not. Unless Council or Committee explicitly determines that the subject under consideration is to be deemed significant then the subject will be deemed as not being significant.

### **Decision Making**

The Council, in considering each matter, must be:

- i Satisfied that it has sufficient information about the practicable options and their benefits, costs and impacts, bearing in mind the significance of the decisions;
- ii Satisfied that it knows enough about and will give adequate consideration to the views and preferences of affected and interested parties bearing in mind the significance of the decisions to be made.

Stuart Duncan  
Chief Executive

## Order of Business

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## **Item 1**

## **Apologies**

Prepared by:           Stuart Duncan  
                                  Chief Executive

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The Chair will call for any apologies. An apology has been received from Cr D Anderson and Cr P Collins.

### **Recommendation**

That the apologies are accepted.

## Item 2                      Conflicts of Interest

Prepared by:                      Stuart Duncan  
   Chief Executive

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As per the Local Authorities (Members' Interests) Act 1968 (as below), the Chair will enquire if there are any Conflicts of Interest to be declared on any item on the agenda, and if so, for any member to declare this interest.

### **Local Authorities (Members' Interests) Act 1968**

Councillors are reminded that if they have a pecuniary interest in any item on the agenda, then they must declare this interest and refrain from discussing or voting on this item and are advised to withdraw from the meeting table.

## Item 3 Identification of Major (Urgent Business) or Minor Items not on the Agenda

Prepared by: Stuart Duncan  
Chief Executive

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- 1 The Chair will call for any major (urgent business) or minor items not on the agenda to be raised according to Standing Orders, as below:

### **a Standing Orders 3.7.5 – Major Items**

An item not on the agenda for a meeting may be dealt with at the meeting if the local authority by resolution so decides, and the presiding member explains at the meeting at a time when it is open to the public –

- i The reason why the item was not listed on the agenda; and
- ii The reason why discussion of the item cannot be delayed until a subsequent meeting.

### **b Standing Orders 3.7.6 – Minor Items**

An item not on the agenda for a meeting may be dealt with at the meeting if –

- i That item is a minor matter relating to the general business of the local authority; and
- ii The presiding member explains at the beginning of the meeting, at a time when it is open to the public, that the item will be discussed at the meeting; but
- iii No resolution, decision, or recommendation may be made in respect of that item except to refer that item to a subsequent meeting of the local authority for further discussion.

## **Recommendation**

That the District Infrastructure Committee resolve to consider any major (urgent business) or minor items at the end of the open section of the meeting.

## **Item 4                      Confirmation of Minutes – District Infrastructure Committee**

Prepared by:            Stuart Duncan  
                                 Chief Executive

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The unconfirmed minutes of the District Infrastructure Committee meeting held on Tuesday 1 August 2017 are presented for confirmation.

### **Recommendation**

That the minutes of the District Infrastructure Committee meeting held on Tuesday 1 August 2017, are confirmed as a true and correct record.

**Unconfirmed Minutes of the District Infrastructure Committee meeting of the Waimate District Council held at 125 Queen Street, Waimate on Tuesday 1 August 2017, beginning at 10.50am, following the Environmental Services and Finance Committee meeting.**

<b>Present</b>	Chair: Cr M Morton Mayor: C Rowley Councillors: S Cain, P Collins, J Guilford, S Paul
<b>In Attendance</b>	Chief Executive: S Duncan Managers: C Johns, M Jones, S Kelly, D Mitchell, R Moffat Committee Secretary: K Reid
<hr/>	
<b>1 Apologies</b>	Apologies were received from Cr D Anderson, Cr T O'Connor and Cr D Owen.  <b>Resolved:</b> That the apologies are accepted.  Moved Cr Paul Seconded Mayor Rowley MOTION CARRIED
<b>2 Conflicts of Interest</b>	The Chair called for Conflicts of Interests. There were no Conflicts of Interest identified.
<b>3 Identification of Major (Urgent Business) or Minor Items not on the Agenda</b>	There were no major (urgent business) or minor items identified.
<b>4 Confirmation of Minutes – District Infrastructure Committee</b>	<b>Resolved:</b> That the minutes of the District Infrastructure Committee meeting held on Tuesday 13 June 2017 are confirmed as a true and correct record.  Moved Mayor Rowley Seconded Cr Guilford MOTION CARRIED  <b>Note:</b>  Cr Guilford reported she will email the feedback to the Asset Group Manager on Hakataramea Recycling.
<b>5 Receipt of Minutes – Waihaorunga Rural Water Scheme Committee</b>	<b>Resolved:</b> That the confirmed minutes of the Waihaorunga Rural Water Scheme Committee meeting held on Tuesday 13 December 2016 are received.



Moved Cr Collins  
Seconded Cr Paul  
MOTION CARRIED

**6 Management Report  
– Asset Group**

**Resolved:**

That the Asset Group Manager's report is accepted.

Moved Cr Guilford  
Seconded Cr Paul  
MOTION CARRIED

**Note:**

Council received a power-point presentation from the  
Roading Manager on the damage to the district's roads from  
the recent rain event.

**7 Consideration of  
Major (Urgent  
Business) or Minor  
Items not on the  
Agenda**

There were no major (urgent business) or minor items  
identified.

There being no further business, the Chair declared the meeting closed at 11.40am. These minutes to be confirmed at the District Infrastructure Committee meeting to be held on Tuesday 12 September 2017.

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Cr M Morton  
Chair

## **Item 5**

### **Receipt of Minutes – Hook Waituna Water Scheme Committee**

Prepared by: Dan Mitchell  
Asset Group Manager

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The confirmed minutes of the Hook Waituna Water Scheme Committee meeting held on Tuesday 28 February 2017 are presented for the information of the District Infrastructure Committee.

The unconfirmed minutes of the Hook Waituna Water Scheme Committee meeting held on Tuesday 22 August 2017 are presented for the information of the District Infrastructure Committee, as agreed by the Committee Chair.

### **Recommendation**

That the confirmed minutes of the Hook Waituna Water Scheme Committee meeting held on 28 February 2017; and the unconfirmed minutes of their meeting held on 22 August 2017 are received.

**Minutes of the Hook Waituna Water Scheme Committee held on 28 February 2017  
at 7.00pm in the Waimate District Council Meeting Room**

**Present:** A Boyce, C Struthers, M Jensen, R Eden, M Thompson, D Mitchell,  
S Bailey, P Roberts, M Mather  
**Apologies:** D Sleigh  
Moved M Jensen – seconded A Boyce that the apology be accepted.

**Minutes of 23 March 2016 Meeting**

Minutes of a meeting on 23 March 2016 were tabled and read.

Moved A Boyce – Seconded M Jensen Carried

**Financials – 30.06.2016 - 30.09.2016 - Proposed Budget 30 .06.2018**

- Electricity higher than expected.
- Timesheet allocation explanation and possible future amendment from 01.08.2017.
- Temporary water recoveries in General Recoveries.
- Urban water supplement (water purchases – inter scheme charging).
- Water testing frequency is weekly.
- .Asset Management Plan & Infrastructure Strategy cycle.
- Procurement Policy – Tender requirements.
- Hunter Downs Irrigation and impact on scheme.

Water rates for 2017/18 – Domestic 0.1881 – 3.7% Irrigation 0.1035 – 3.8%.

Moved A Boyce – Seconded C Struthers That the Financial Reports be accepted. Carried

**General Business**

**Burrows Bore**

- Ministry of Health requirements re intake.
- Water over 100 years is considered secure.
- Costs. And treatment processes.

**Current Plant**

- Treatment – membranes - sediment removal.
- Blending of two sources.
- Modeling of scheme for a ten year prediction.
- Intake vulnerability.
- Operational costs.

**Treatment Unit Trail**

- Waikakahi RWS, Lower Waihao RWS, Hook Waituna RWS – trial of treatment unit at \$12,000 between the three schemes.
- Storage ponds of Hunter Downs Irrigation water and pass through treatment plant.
- Meeting to be held second week of May for a progress report.

Moved A Boyce – Seconded M Jensen That the modeling cost be capped at \$3,000 – if over that amount the committee to be contacted. Carried

**Modelling**

- Quotes for modeling to be undertaken to go to the committee.
- P Roberts, D Mitchell and S Bailey to provide monthly information regarding progress.
- Peer reviewing options to be discussed with Timaru District Council and Waitaki District Council.
- Moved A Boyce – Seconded R Eden That tests be undertaken in a cost share basis. Hook Waituna RWS costs to be capped at \$5,000. Carried

**Meeting ended 9.55pm**

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**Minutes of the Hook Waituna Water Scheme Committee held on 22 August 2017  
at 7.00pm in the Waimate District Council Meeting Room**

**Present:** A Boyce, C Struthers, M Jensen, D Sleight, M Thompson, D Mitchell,  
S Bailey, P Roberts, M Mather

**Apologies:** Councillor T O'Connor, R Eden  
Moved M Jensen – seconded A Boyce that the apology be accepted.

**Minutes of 28 February 2017 Meeting**

Minutes of a meeting on 28 February 2017 were tabled and read.

Moved M Jensen – Seconded C Struthers - Carried

**New Hook Treatment Plant – Trial Membrane Unit**

- There are two sorts of Membrane filters, validated and unvalidated. Consideration to go with the unvalidated filter as there is no major sludge disposal and removes fine particulate and will backwash. Process then continues through UV and cartridge filtration to get to drinking water quality.
- If contracting to Apex they will be responsible for the monitoring and the condition is that the water must be drinking water compliant. This trial will be \$11,000 plus costs. They have reviewed the site for installing a trial plant, this will be installed in approximately two weeks, and monitoring will take place for up to two months. The extra component will be bolted onto the existing plant.
- Back flushing can be discharged into a tank. But a meeting will be held with ECan for permission to be obtained to place back into the stream. When there is a specialized backwash where they use chemicals, this will have to be trucked away.
- There will be cost savings on replacement filters. The plant will still be shut down during weather events. The temperature of the water affects the size of the filters required. The committee thanked the staff for the work done for the intake to survive during the last weather event.
- If this filter is successful the cost of a permanent filter will possibly be \$350,000. A \$5,500+GST refund (50% rebate on trial) if plant is approved. Positives for the future are assurance of quality, no boil water notices continuity of quality.
- Council emphasised a condition must be that they meet the drinking water standards committee agreed.
- An onsite meeting to be held to see the plant.
- When all information of financials and operational details are known a meeting to be held to discuss.

**Water Application – WA795**

- Modeling was undertaken to see if the 15,000L/day could be supplied. The results showed there would be little impact on the scheme. It was noted that a quantity of irrigation water had been relinquished. Increase would be to one tank and a new tank.
- From the 2008 survey there were 22 letters declining applications, however there were few details as to the reason for declining. There are now three on the waiting list.
- An advantage of accepting the applications for increases is that the capital contributions would pay for the modeling costs. Also getting the whole scheme modeled would provide information for future demand and upgrades required of the infrastructure. Being able to supply future requests brings in capital contributions the scheme can use.

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- Modeling to be kept live by continuing modeling on a regular basis as the scheme is at risk with outdated information. This will be covered by increase in capital contribution. Meters will be installed as part of the modeling process.
- Options are to model the scheme before approving any more allocations in fairness and good governance to all applicants, or approve applications and use the Capital Contributions to model the whole scheme.
- Report needed to go to Council for approval to have unbudgeted expenditure, which will eventually be covered by the Capital Contributions of those on the waiting list. Modeling costs are approximately \$20,000. Committee to be advised of final costs of modeling. Opus to be contacted for the time frames of work to be done and then another meeting to be called to do the future planning.

Moved A Boyce – Seconded M Jensen - That the Hook Waituna Rural Water Scheme funds the overall modeling to facilitate future usage and development thereby giving fairness to all consumers on the scheme. - Carried

**Meeting ended 8.10pm**

## Item 6

## Management Report – Asset Group

Prepared by: Dan Mitchell  
Asset Group Manager

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The Asset Group Manager's report is submitted for the information of the District Infrastructure Committee.

### **Recommendation**

That the Asset Group Manager's report is accepted.

## Highlights

### New Chlorine Gas Supplier

- 1 On 1 August 2017 Chemtrex became Waimate District Council's supplier of chlorine gas for drinking water disinfection.
- 2 Chemtrex approached Waimate District Council with a proposal to supply chlorine. This proposal was reviewed along with our then existing chlorine supplier, IXOM.
- 3 Chlorine cylinders are currently stored and distributed from the Dunedin City Council Water Treatment Plant,
- 4 The Chemtrex proposal has clear cost savings. Chemtrex prices per kilogram of chlorine are cheaper, and they do not charge an "Annual Chlorine Service Fee" like IXOM. The quality of the chlorine offered by Chemtrex is to a high international standard, and is 99.9% pure chlorine. The new cylinders were also 100kg size, which means longer run periods out of a cylinder and less changes, compared to the older chlorine cylinders at 70kg.
- 5 With Chemtrex as the preferred supplier, Council has initiated savings in the order of \$10,000 per annum.
- 6 The changeover has been smooth with Chemtrex. Chemtrex has provided new signage and health and safety procedures, alongside making payment for the alterations to the chlorine trailer to carry the new 100kg cylinders.
- 7 Staff are now investigating options surrounding storage of chlorine cylinders at the utilities yard at Michael Street.

### Mycoplasma Bovis Outbreak

- 8 The recent outbreak of Mycoplasma Bovis has affected how our Utilities staff enter and leave the affected farms, which either receive water from Council's rural water supplies, or have reticulation passing through them.
- 9 Utilities staff met with Ministry for Primary Industries staff and are aware of farms that operate under a restricted place notice. As a result, our staff have been issued with an access permit and maps of the affected areas that are located in all Utilities vehicles.
- 10 Access permits are issued on a weekly basis provided the conditions have been met.
- 11 The conditions of access are that the Utilities staff contact the Farm Manager (Van Leeuwen Dairy Group) of the affected farms before entry. All vehicles must be steam cleaned before entry and disinfected on leaving. Then staff must return directly to Council's Utilities Yard on Michael Street to steam clean their truck again. As a result Council has had to purchase a steam cleaner to ensure our trucks are clean under and over.
- 12 Tavendale's pump house is a site that is visited weekly, therefore it is decided that staff will park at the boundary gate and walk in. Before entry to the property, boots need to be washed in the footbath located at the boundary gate and again when leaving the property.
- 13 Staff have adapted to the situation and are working within the requirements.

- 14 The new wash down area does require further work in the future. This includes the installation of a stormwater interceptor to prevent hydrocarbons entering the watercourse and the construction of a wash-down pad. These works will be programmed for 2018/19.

## **Drinking Water Changes**

- 15 At the Timaru District Council offices on 17 August 2017, Jim Graham from Opus held a presentation on the Drinking Water Standards.
- 16 Jim was present at the recent Stage One Inquiry for the Havelock North contamination event, and based his presentation around the inquiry and his view of potential future changes. He talked about the causes and issues that led to the event, and the organisations involved from the territorial authority, through to consultants, regional councils and the Ministry of Health.
- 17 Jim commented that there would almost certainly be changes in the Secure Bore category, such as depth requirements, age dating issues, Register of Drinking Water Supplies. Potentially this will have a significant impact on both the Waimate Urban Supply and the Otaio-Makikihi Rural Water Supply. Whether this is through more comprehensive testing, additional treatment processes or a combination of the two is yet to be confirmed.
- 18 In the short term a change that water suppliers could see happen very soon is “Critical Control Point” management and procedures. An example is a procedure for disinfection alarms alerting to too high or low chlorine residual, and how to rectify, who is informed of the alarm and what else needs to be done. There is an expectation that Critical Control Points will be present in all water safety plans.
- 19 This is already formalised through a letter dated 18 August 2017 from the Ministry of Health to all Drinking Water Assessors. It clearly states that drinking water suppliers are expected to have “Critical Control Point” management and procedures. This is a task that will be done in the coming months by staff.
- 20 Medium term: Drinking Water Standards for New Zealand and Health Act review.
- 21 Long Term: Over the next three to five years – Drinking Water Supply Industry reforms.
- 22 These predicated changes throw out some challenges to water suppliers, but will also help improve drinking water quality, and confidence in drinking water around the country for consumers.



## St Andrews On-site Domestic Wastewater Consent

- 23 On 24 August 2017 Council was advised that the application to discharge on-site domestic wastewater to land was granted.
- 24 The consent duration is 15 years (expiry 24 August 2032) and has similar conditions to the previous consent.
- 25 Council is still operating under the existing consent until a new servicing contract has been negotiated. This is a requirement of both the old and new consent but there are subtle differences between the two.
- 26 Under the new consent, Council is able to liaise with residents that hold their own discharge consent and discuss the opportunity of surrendering a shorter term for the longer term offered under the new consent.
- 27 A copy of the consent is appended to this report.

## Storm Damage

- 28 The District suffered widespread flood damage to the roads on 21 July 2017, particularly in the Hakataramea Valley. All roads are now open but caution is still required as contractors work on repairs.
- 29 Our estimate for repairs is \$602,800 and a claim for emergency works has been lodged with NZTA. Total costs of emergency works up to 10% of our maintenance programme for the year is subsidised at the normal rate of 56%. The balance is subsidised at 76%. The local (Council's) share is \$228,106. Attached as Appendix 1 is the estimate schedule.

### Wrights Crossing Road, Hakataramea



### Scotts Bridge Road, Hakataramea



### Victoria Park

- 30 Annual flowering seeds for the spring have been ordered, and consist mainly of begonias, geraniums and marigolds. Pruning and spraying of roses has been completed.
- 31 The new playground project is well on the way and is due for completion in early September. The final stage is to prepare and level the ground and add the safety matting. Preparations are underway for the official opening in mid-September.



- 32 The old bark which was beneath the old play equipment was spread onto gardens around the parks and reserves areas. The old slide will be installed alongside the new playground. Some of the old equipment is located in the Victoria Park bird aviary for their enrichment.

### Waitaki Lakes

- 33 Waitaki Lakes and Aviemore camping reserves will open on Saturday 23 September for the 2017/18 season. Set up of campsites can take place from Saturday 16 September.

- 34 Season tickets cost \$330 and a campsite ticket is \$20 per site per night. Preparation work for the camping season will take place in early September and will include weed spraying, tree pruning, cleaning of facilities, etc.
- 35 Allocated site size has been reviewed in light of feedback received over recent years. It was acknowledged that 60m<sup>2</sup> was inadequate for a modern caravan, awnings, trailer boat, vehicle and ancillary shelters. The new size is 110m<sup>2</sup> and will enable enforcement for both the site footprint and also sites where windbreak is erected but no caravan or tent is present. Season tickets entitle the holder to camp at any one of the Waimate District Council campsites, not to a particular "site".

## **Urban Reserves**

- 36 Main street gardens have been tidied up, rebarked and shrubs pruned. Weed spraying around some of the reserves has started.

## Action Points

Action Point	Status	Comment
26 January 2016 – District Infrastructure Committee		
Councillors asked for the opportunity to further discuss the item on recycling and the reintroduction of a Container Deposit System at a future workshop	Progressing	No further information has been presented and it is suggested that the requested workshop be included as part of the Waste Management and Minimisation Plan update in 2017
8 March 2016 – District Infrastructure Committee		
The Asset Manager advised there had been no progress as yet on the Hakataramea Recycling depot	Progressing	Following a recent ward visit with the Chief Executive, Cr Guilford offered to initiate a survey of ward residents and bring back the results to Council
14 March 2017 – Environmental Services and Finance Committee		
Council develop by 30 November 2017 a reserves, open space and recreation strategy	Progressing	Future workshop item
23 May 2017 – Council		
That a report on future development opportunities for playgrounds in the district be provided to Council	Progressing	Options to be developed in conjunction with the update of the Parks and Recreation Asset Management Plan



# Appendix 1

## Waimate District Council Flood Damage 21st July 2017

Total Estimate **\$602,800**

Road No.	Road Name	Start	Start Name	End	End Name	length	Estimate	Damage
100	ALL		ALL		ALL			Patrolling, Inspection, Signing, clearing slips and debris
201	CANNINGTON ROAD 201	0	BACK LINE ROAD	7795	END OF ROAD	7795	\$40,000	Metal Loss, shoulder Scour
204	COFFEYS ROAD 204	0	CANNINGTON ROAD	3341	END OF ROAD	3341	\$2,800	Detritus Culvert, Washed out
205	GUERINS ROAD 205	0	BACK LINE ROAD	3346	END OF ROAD	3346	\$1,250	Metal Loss, shoulder Scour
206	BACKLINE ROAD 206	27136	BLUE CLIFFS ROAD	42331	PAKHI ROAD	15195	\$1,750	Metal Loss, shoulder Scour
206	BACKLINE ROAD 206	74	CANNINGTON ROAD	27136	BLUE CLIFFS ROAD	27062	\$3,900	Metal Loss, shoulder Scour
209	GALWAYS ROAD 209	0	MOTUKAIKA ROAD	5853	CLIFFS ROAD	5853	\$7,500	Scour, Culvert Damage, concrete ford damage
211	VERITYS ROAD 211	0	PAEORA GORGE ROAD	2046	END OF ROAD	2046	\$1,050	Scour, Culvert Damage
217	PRATTS ROAD 217	0	LIMESTONE ROAD	5182	END OF ROAD	5182	\$1,400	Scour, Culvert Damage
218	HOWELLS ROAD 218	0	TIMAUNGA ROAD	5597	BACK LINE ROAD	5597	\$1,400	Scour
235	CRAIGMORE HILL ROAD 235	0	CRAIGMORE VALLEY ROAD	3069	END	3069	\$6,500	Metal Loss, shoulder Scour
236	FRENCHMANS GULLY ROAD	0	GORDONS VALLEY ROAD	3596	CRAIGMORE VALL	3596	\$8,750	Scour & Culvert Damage
279	ANDERSONS ROAD 279	0	CAIRD ROAD	3208	DAVISON'S ROAD	3208	\$7,000	Scour & Culvert Damage
283	O'BRIENS ROAD 283	0	LYALL ROAD	3035	TALBOTS ROAD	3035	\$2,000	Scour & Culvert Damage
291	TALBOLTS ROAD 291	0	PLEASANT VALLEY ROAD	4299	BLUE CLIFFS ROAD	4299	\$1,200	Grade & Metal
295	BLUE CLIFFS ROAD 295	0	SH 1	19376	BACKLINE ROAD	19376	\$1,000	Repair outlet culvert 6
302	MCALWEES CROSSING 302	0	GORDONS ROAD	1219	BLUE CLIFFS ROAD	1219	\$5,000	Drinans Bridge river work
305	MACAULAYS ROAD 305	0	BACK LINE ROAD	2818	END OF ROAD	2818	\$1,500	Reshape river crossing
307	ESK BANK FORD ROAD 307	0	BLUE CLIFFS ROAD	576	ESK BANK ROAD	576	\$600	Scour
308	CHURCH HILL ROAD 308	0	ESK VALLEY ROAD	1270	BLUE CLIFFS ROAD	1270	\$1,500	Reshape river crossing
313	DAISY HILL ROAD 313	0	HILLBORO ROAD	3306	AGNEW ROAD	3306	\$1,800	Reshape river crossing
314	HILLBORO ROAD 314	0	WOOLSHED VALLEY ROAD	4527	OTAIO RIVER ROAD	4527	\$1,750	Scour
329	TESCHEMAKER BUSH ROAD	0	BACK LINE ROAD	1780	END OF ROAD (GA	1780	\$1,750	Scour
331	HORSESHOE BEND ROAD 331	0	SH 1	8757	TAVISTOCK ROAD	8757	\$1,200	Scour
							\$600	Grade & Metal

1 of 4

Road No.	Road Name	Start	Start Name	End	End Name	length	Estimate	Damage
332	THOMSONS ROAD 332	0	HORSESHOE BEND ROAD	3268	END OF ROAD	3268	\$1,200	Grade & Metal
334	GRANGE ROAD 334	0	SH 1	2576	END OF ROAD	2576	\$1,200	Grade & Metal
336	DALEDEW ROAD 336	0	TESCHEMAKER VALLEY F	3292	BACK LINE ROAD	3292	\$1,900	Shoulder rutting and scour at culvert
351	MAKIKIHI HUNTER ROAD 351	0	SH 1	9794	PAKIHI ROAD	9794	\$7,000	River Protection
359	JACKSONS BUSH ROAD 359	0	WAIMATE HUNTER ROAD	4720	END OF ROAD (GA	4720	\$1,050	Scour
367	NOLANS ROAD 367	0	O'NEILLS ROAD	2814	SHERWOOD ROAD	2814	\$600	Clear culvert
368	BELLS ROAD 368	0	O'NEILLS ROAD	4651	HOOK SCHOOL RO	4651	\$600	Scour
369	TRIANGLE ROAD 369	0	ENGLBRECHTS ROAD	1934	WAIMATE HUNTER	1934	\$950	Clear culvert
370	ENGLBRECHTS ROAD 370	0	WAIMATE HUNTER ROAD	3521	UPPER HOOK ROA	3521	\$4,750	Scour & Culvert Damage
373	D'AUVERGNES ROAD 373	0	O'NEILLS ROAD	2511	LOWER HOOK ROA	2511	\$2,550	Scour & Culvert Damage
380	LOWER HOOK ROAD 380	0	SH 1	8022	WAIMATE HUNTER	8022	\$3,000	Clear fords, Hook river x4
387	GUNNS BUSH ROAD 387	0	UPPER HOOK ROAD	990	GATE	990	\$7,000	Scour
388	MT STUDHOLME ROAD 388	0	UPPER HOOK ROAD	2173	GATE	2173	\$2,900	Scour
393	GUNNS ROAD 393	0	WAIMATE HUNTER ROAD	3692	WAITUNA SCHOOL	3692	\$4,000	Shoulder dropout Scour
433	WAIHAO BACK ROAD 433	0	SH 82	6830	SH 1	6830	\$5,000	River Protection
434	WAINS CROSSING ROAD 434	0	WAIHAO BACK ROAD	1484	END OF ROAD	1484	\$700	Grade & Metal
435	PAULS ROAD 435	0	WAINS CROSSING ROAD	983	END (GATE)	983	\$700	Grade & Metal
456	KENNARDS ROAD 456	0	WHITNEYS ROAD	728		728	\$600	Grade & Metal
463	PARKERS BUSH ROAD 463	0	SH 82	8042	MILL ROAD	8042	\$13,250	Major unsealed pavement loss and culvert damage
518	HANNIFINS ROAD 518	0	REGENT STREET	721	MAYTOWN ROAD	721	\$0	Reinstate washout ford
558	MORVEN BEACH ROAD 558	0	STOKES ROAD	5003	BEACH END OF RO	5003	\$18,850	Water entering Morven drain has scoured a 30m x 2.6 deep
565	MAIROS ROAD 565	0	COONEYS ROAD	6524	CARROLLS	6524	\$1,300	Grade & Metal
567	CARROLLS ROAD 567	0	SH 1	1297	MORVEN GLENNAVY	1297	\$1,650	Grade & Metal & Water Channel Construction
568	ANDREWS ROAD 568	0	MORVEN GLENNAVY	3989	END OF ROAD	3989	\$1,900	Grade & Metal & Water Channel Construction
576	PIKES POINT ROAD 576	0	SH 82	17233	SH 1	17233	\$2,600	Clear culvert
580	COCK AND HEN ROAD 580	0	PIKES POINT ROAD	3369	TAWAI-KAWAI ROA	3369	\$1,560	Scour
589	GUM TREE FLAT ROAD 589	0	SH 1	10517	WAIKAKAHI VALLE	10517	\$1,500	Replace culvert headwall, RP3565

Road No.	Road Name	Start	Start Name	End	End Name	length	Estimate	Damage
592	WALLACE ROAD 592	0	GUM TREE FLAT ROAD	2200	GREEN HILLS ROAD	2200	\$7,500	Scour & Culvert Damage
594	WAIKAKAHI VALLEY ROAD 594	0	GUM TREE FLAT ROAD	6604	PIKES POINT ROAD	6604	\$2,300	Pavement damage & Slip
596	BRIGGS ROAD 596	0	TURNERS ROAD	1892	END	1892	\$1,000	Clear culvert of logs
597	TURNERS ROAD 597	0	SH 82	1090	END	1090	\$13,500	Major unsealed pavement loss and culvert damage
598	SHEARERS HILL ROAD 598	0	SH 82	3207	SH 82	3207	\$950	Scour and metal loss
599	DONS ROAD 599	0	WAIKAKAHI VALLEY ROAD	625	END OF ROAD	625	\$600	Scour, Culvert Damage
603	DONNITHORNES ROAD 603	0	STONEY CREEK ROAD	5665	END OF ROAD	5665	\$2,550	Scour
604	SERPENTINE VALLEY RD 604	0	SH 82	12399	PENTLAND HILLS ROAD	12399	\$15,300	Culvert damage. Large Slip
606	WHITES ROAD 606	0	BRIDGE ROAD	175	BRIDGE	175	\$850	Clear bridge & Scour
607	KOWHATU ROAD 607	0	STONEY CREEK ROAD	7096	END OF ROAD	7096	\$1,050	Scour
608	QUAMBY'S ROAD 608	0	WAIHAORUNGA ROAD	1908	ALLANHOLME ROAD	1908	\$1,250	Scour & Slips
610	RITCHIES ROAD 610	0	SERPENTINE VALLEY ROAD	2828	ELEPHANT HILL ROAD	2828	\$3,000	Ford Scour and minor scouring
611	YARDS ROAD 611	0	RITCHIES ROAD	1496	END OF ROAD	1496	\$850	Extra Grade
611	ELEPHANT HILL ROAD 611	0	REDCLIFF BACK ROAD	10919	SH 82	10919	\$1,450	Scour
613	ZIG ZAG ROAD 613	0	SERPENTINE VALLEY ROAD	6095	END OF ROAD	6095	\$1,750	Scour
614	ALLANHOLME ROAD 614	0	STONEY CREEK ROAD	2990	END OF ROAD	2990	\$1,650	Clear culvert
618	REDCLIFF BACK ROAD 618	0	SH 82	2416	WAIHUNA ROAD	2416	\$900	Scour & Seal damage
619	CLARKESFIELD ROAD 619	0	ELEPHANT HILL ROAD	18241	SH 82	18241	\$1,750	Grade & Metal
627	MELFORD HILLS ROAD 627	0	TARA HILL ROAD	3810	ZIZ ZAG ROAD	3810	\$1,450	Scour
628	HURST'S ROAD 628	0	WAIHAORUNGA BACK ROAD	2821		2821	\$9,000	Scour
629	WAITAKI VALLEY ROAD 629	0	HURST'S ROAD	2916	END OF ROAD	2916	\$9,500	Ford undercut, Bridge approach scoured, 800m unsealed road scour and blocked culverts.
631	PENTLAND HILLS ROAD 631	0	SERPENTINE VALLEY ROAD	8320	DOWTHWAITES ROAD	8320	\$3,100	Culvert damage
632	MEYERS PASS ROAD 632	0	PENTLAND HILLS ROAD	18866	MCHENRY'S ROAD	18866	\$22,550	Major unsealed pavement loss
634	DOUTHWAITES ROAD 634	0	PENTLAND HILLS ROAD	1635	END OF MAINTENANCE	1635	\$1,550	Extra Grade
635	KAIWARUA ROAD 635	0	PENTLAND HILLS ROAD	8045	OLD KAIWARUA ROAD	8045	\$15,500	2x major culvert washouts and general scour

Road No.	Road Name	Start	Start Name	End	End Name	length	Estimate	Damage
651	MCHENRYS ROAD 651	0	SH 82	15801	END OF MAINTENANCE	15801	\$71,000	2.4km loss of unsealed pavement. 2km loss of Road wearing course, culvert damage, reinstate side streams to existing channels.
652	TABLE TOP ROAD 652	0	MCHENRYS ROAD	4240	END AT HOUSE	4240	\$9,500	Scour
653	FRASERS ROAD 653	0	TABLE TOP ROAD	1641	END OF ROAD	1641	\$1,100	Clear culvert
655	HURSTLEA ROAD 655	0	MEYERS PASS ROAD	3627		3627	\$1,050	Scour & Culvert Damage
660	HAKATARAMEA VALLEY ROAD	0	SH 82	33423	SCOTT'S BRIDGE	33423	\$8,800	Culvert and seal damage
660	HAKATARAMEA VALLEY ROAD	33423	SCOTT'S BRIDGE ROAD	36170	GORMANS ROAD	2747	\$14,500	Scour & Culvert damage
664	FARM ROAD 664	0	HAKATARAMEA VALLEY ROAD	6068	UNKNOWN	6068	\$21,000	Bridge abutment damaged, Ford damage, realign river under bridge and road scour
666	CORRIGALLS ROAD 666	0	MILNE ROAD	8345	HOMESTEAD ROAD	8345	\$17,000	Major shoulder scour
669	WRIGHTS CROSSING 669	0	HAKATARAMEA VALLEY ROAD	881	MCHENRYS ROAD	881	\$17,800	100m section of seal loss, Reinstatement culvert and river realignment work
671	MCKAYS ROAD 671	0	HAKATARAMEA VALLEY ROAD	1687		1687	\$7,050	Scour
673	HIGHLAND FARM SETTLEMENT ROAD	0	HAKATARAMEA VALLEY ROAD	6424	GORMANS ROAD	6424	\$14,500	Major shoulder scour and culvert damage
674	COCHRANES ROAD 674	0	MENZIES ROAD	1178	END OF ROAD	1178	\$3,500	Scour
675	MENZIES ROAD 675	0	SCOTT'S BRIDGE ROAD	10900		10900	\$7,000	Scour
676	MOORLAND FARM SETTLEMENT ROAD	0	SCOTT'S BRIDGE ROAD	11181	HUNTER HILLS STREET	11181	\$12,250	Culvert wash over & 200m pavement loss
678	SCOTT'S BRIDGE ROAD 678	0	HAKATARAMEA VALLEY ROAD	867	MOORLAND SETTLEMENT	867	\$46,500	Bridge approach washed out significant handrail damage, realignment of river to centre of bridge.
680	GORMANS ROAD 680	0	HAKATARAMEA PASS ROAD	9614	YARDS	9614	\$22,000	Major shoulder scour and metal loss
681	HAKATARAMEA PASS ROAD	0	GORMANS ROAD	24070	HAKA PASS	24070	\$14,300	Scour, culvert damage, river realignment
690	TE AKATARAWA ROAD 690	0	FISHERMANS BEND ROAD	21785	16TH FREE STAND	21785	\$2,000	Rock fall



24 August 2017



Waimate District Council  
Attn To: Daniel Mitchell  
PO Box 122  
**Waimate 7960**

**Customer Services**  
P. 03 353 9007 or 0800 324 636  
  
PO Box 345  
Christchurch 8140  
P. 03 365 3828  
F. 03 365 3194  
E. [ecinfo@ecan.govt.nz](mailto:ecinfo@ecan.govt.nz)  
[www.ecan.govt.nz](http://www.ecan.govt.nz)

Dear Sir/Madam

**Notice of Resource Consent Decision**

**Record Number(s):** CRC180377  
**Applicant Name:** Waimate District Council  
**Activity Description:** To discharge on-site domestic wastewater into land.  
**Decision:** Granted

**Decision**

The decision of Environment Canterbury is to grant your application on the terms and conditions specified in the attached resource consent document. The reasons for the decision are:

1. The activity will achieve the purpose of the Resource Management Act 1991.
2. Any adverse effects on the environment of the activity will be minor.

**Commencement of consent**

Your resource consent commences from the date of this letter advising you of the decision.

If you object to or appeal this decision, the commencement date will then be the date on which the decision on the appeal is determined.

**Lapsing of consent**

This resource consent will lapse if the activity is not established or used before the lapse date specified on your consent document. Application may be made under Section 125 of the Resource Management Act 1991 to extend this period.

**Your rights of objection and appeal**

- **Objection to Decision**  
If you do not agree with the decision of the consent authority, you may object to the whole or any part in accordance with Section 357A(1)(g) of the Resource Management Act 1991 (RMA). Notice of any objection must be in writing and lodged with Environment Canterbury **within 15 working days** of receipt of this decision in accordance with Section 357C(1) of the RMA.
- **Right to Appeal**

You may appeal the decision of the consent authority to the Environment Court in accordance with section 12 of the RMA. , The notice of appeal must be lodged with the Court within 15 working days of receipt of this decision, at PO Box 2069, Christchurch. A copy of the appeal should also be forwarded to Environment Canterbury within the same timeframe.

If you are in any doubt about the correct procedures, you should seek legal advice.

- **Objection to Costs**  
Section 357B of the RMA allows you to object to costs. Your objection must be received **within 15 working days** of the date on which you receive your invoice. Your objection must be in writing and should clearly explain the reasons for your objection as detailed in section 357C of the RMA.

#### **Monitoring of conditions**

It is important that all conditions of consent are complied with, and that the consent holder continues to comply with all conditions, to ensure that the activity remains lawfully established.

You can find online Information regarding the monitoring of your consent at [www.ecan.govt.nz/monitoringconsent.pdf](http://www.ecan.govt.nz/monitoringconsent.pdf).

Charges, set in accordance with section 36 of the Resource Management Act 1991, shall be paid to the Regional Council for the carrying out of its functions in relation to the administration, monitoring and supervision of resource consents and for the carrying out of its functions under section 35 of the Act.

#### **Further information about your consent**

For some activities a report is prepared, with officer recommendations, to provide information to the decision makers. If you require a copy of the report please contact our Customer Services section. You can find online information about your consent document at [www.ecan.govt.nz/yourconsent.pdf](http://www.ecan.govt.nz/yourconsent.pdf).

#### **Queries**

For all queries please contact Customer Services Section quoting your CRC number noted above.

Thank you for helping us make Canterbury a great place to live

Yours sincerely



**Consents Planning Section**

cc:  
Opus International Consultants Ltd, Christchurch  
Attn To: Brent Hamilton  
PO Box 1482  
**Christchurch 8140**

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## RESOURCE CONSENT CRC180377

*Pursuant to Section 104 of the Resource Management Act 1991*

The Canterbury Regional Council (known as Environment Canterbury)

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GRANTS TO: Waimate District Council

A DISCHARGE PERMIT (S15): To discharge on-site domestic wastewater into land.

COMMENCEMENT DATE: 24 Aug 2017

EXPIRY DATE: 24 Aug 2032

LOCATION: St Andrews Township, St Andrews

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### **SUBJECT TO THE FOLLOWING CONDITIONS:**

#### **Definitions**

- 1 **'Wastewater'** means sewage, toilet wastes and grey water (from kitchens, bathrooms and laundries), but excludes stormwater, trade wastes, livestock processing wastes, and other industrial or trade process wastes.

**'Existing discharge'** means a lawfully established discharge either authorised by a permitted activity rule or previous resource consent at the time of commencement of this consent.

**'Modified systems'** means any wastewater treatment system or land application system that is to be altered or modified from that established at the time the system was constructed, other than through routine maintenance.

**'Surface water'** means water above the ground surface and within a lake, river, artificial watercourse or wetland, but does not include water in the sea, snow or rain or water vapour in the air.

**'Upgraded discharge'** means any discharges associated with an existing wastewater treatment and/or land application system that is subject to replacement.

**'Tangata Whenua'** means representatives of Te Runanga o Waihao.

#### **Limits**

- 2 The discharge shall be only domestic wastewater originating from individual properties with existing wastewater treatment and discharge systems located within the area of St Andrews township shown on Plan CRC180377A, attached to and forming part of this

resource consent.

- 3 The discharges shall be into land within the properties that they originate from (i.e. on-site).
- 4 Prior to discharge to the land application system, the wastewater shall receive primary treatment in a septic tank wastewater treatment system, or secondary treatment in an aerated tank wastewater treatment system, or an alternative treatment system which provides the same or better quality treatment.
- 5 The wastewater treatment systems and land application systems shall not include chlorine disinfection, with the exception of the St Andrews Hotel wastewater treatment system and land application system located within Lot 32 DP 172, Lot 33 DP172 and Lot 68 DP 172.
- 6 After exiting the treatment system, the wastewater shall be directed to a land application system with sufficient soil soakage capacity for the wastewater loading rate.  
  
**Advice note:** The land application systems shall include rapid soakage devices, e.g. soakage pit or trench or augured soak hole (for existing and upgraded discharges), or sand trenches, subsurface dripline irrigation systems, or advanced enviro-septic systems.
- 7 Any upgraded discharges shall:
  - a. Have a design flow calculated in general accordance with Section 5.3 of the New Zealand Standard AS/NZS 1547:2012 - On-site Domestic Wastewater Management, or any subsequent updates (AS/NZS 1547);
  - b. Have a wastewater treatment system with an operational capacity determined in general accordance with Section 5.4 of the AS/NZS 1547 Standard; and
  - c. Have wastewater that passes through a proprietary effluent filter prior to discharge to the land application system.
- 8 When a system is modified, it shall be retrofitted with a proprietary effluent filter prior to discharge to the land application system if one is not already fitted.
- 9 Any upgraded discharges:
  - a. From rapid soakage land application systems shall be installed to have a base that extends at least 500 millimetres into free draining gravels;
  - b. From wastewater systems other than rapid soakage land application systems shall be designed and installed in general accordance with Sections 5.5 and 6 of AS/NZS 1547.
- 10 There shall be no ponding of treated or untreated wastewater on the land surface and no

overland discharge of treated or untreated wastewater.

- 11 There shall be no discharge:
- a. within 50 metres in any direction, of any authorised and/or existing bores;
  - b. within 20 metres of any surface water body; and
  - c. to surface water as a consequence of the exercise of this consent.

#### **Monitoring and Inspections**

- 12 The consent holder shall visually inspect the coastal cliff downgradient of the St Andrews township between NZTM2000 1456550 mE 5067930 mN and NZTM2000 1456200 mE 5066990 mN for signs of seepage. Inspections shall:
- a. Have a frequency of at least two times per year;
  - b. Be carried out in non-consecutive months;
  - c. Be conducted at least once per year in the month of July.
- 13 During the visual inspections required by condition (12) of this consent, photographs of the cliff wall shall be taken. These photographs shall show any areas where seepage has been observed.
- 14 In the event seepage is observed during a visual inspection carried out in accordance with conditions (12) and (13), the consent holder shall notify Canterbury Regional Council, Attention: Regional Leader – Monitoring and Compliance, in writing within five days. This notification shall include copies of the photographs taken in accordance with condition (13).

**Advice Note:** This consent does not authorise a discharge to the Coastal Marine Area.

#### **Servicing**

- 15 There shall be a maintenance service contract in place for the inspection, servicing and maintenance of the wastewater treatment and land application systems. The servicing contract shall have the following requirements:
- a. The contractor responsible for the servicing shall be suitably qualified and experienced;
  - b. Servicing of each system shall be at a frequency of at least once per year;
  - c. Action shall be taken to ensure that the effluent and land application systems are operated and maintained to enable compliance with the conditions of this discharge

permit.

- 16 The servicing of the wastewater treatment systems shall include but not be limited to:
- a. Ensuring that the lids of the wastewater treatment systems are readily accessible at all times;
  - b. Measuring the depth of solids and scum in the wastewater treatment systems;
  - c. Pumping out the wastewater treatment tanks if the solids and scum layers combined are greater than one half the depth of the wastewater treatment tanks;
  - d. A visual inspection of the components outlined in the clauses below, and cleaning, repairing or replacing as required:
    - i. aeration devices;
    - ii. proprietary effluent filter;
    - iii. electrical parts;
    - iv. audible alarms; and
    - v. the distribution pump or siphon.
- 17 The servicing of the land application systems shall include but not be limited to:
- a. Observations of the ground conditions surrounding the system for signs of system failure such as visible ponding of effluent or wet soils;
  - b. Flushing the distribution lines for sand trench or dripline irrigation systems;
  - c. Inspection of the distribution pipes for sand trench or dripline irrigation systems to ensure that they are operating correctly and replacing as required;
  - d. Within 30 working days of the inspection, any failed:
    - i. Rapid soakage devices shall be upgraded to comply with Conditions (4) and (6);
    - ii. Sand trench or drip line irrigation systems shall be relocated or upgraded to comply with conditions (4) and (6);
    - iii. Advanced enviro-septic systems shall be rejuvenated when the water level reaches the maximum design depth in the pipes.
- 18 Within three months of the installation of the commencement of this consent, the consent holder shall provide to the Canterbury Regional Council, Attention Regional Leader - Monitoring and Compliance, a signed 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 conditions (16) and (17) 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.

#### **Records**

- 19 Following the servicing of any wastewater system authorised by this consent a maintenance record shall be prepared and kept by the consent holder. The maintenance record shall include the following:
- a. A description of the existing wastewater systems and their locations including the legal description of each property with an on-site wastewater system and the type of system installed at that property;
  - b. The frequency of maintenance for each system;
  - c. A description outlining how each system will be maintained;
  - d. All modifications or upgrades made to any part of a wastewater treatment and land application system.

The consent holder shall forward a copy of the maintenance record and any records of repairs to the Canterbury Regional Council, Attention Regional Leader - Monitoring and Compliance, by the 31st of March each year.

#### **Education**

- 20 Education of each property owner/occupier of an active wastewater treatment and disposal system shall be subject to a communication providing advice on good habits to ensure the onsite wastewater system functions effectively. The advice shall be communicated in general accordance with Appendix T5.2.1(a), (b) and (d) of the AS/NZS 1547 Standard.

#### **Administration**

- 21 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.

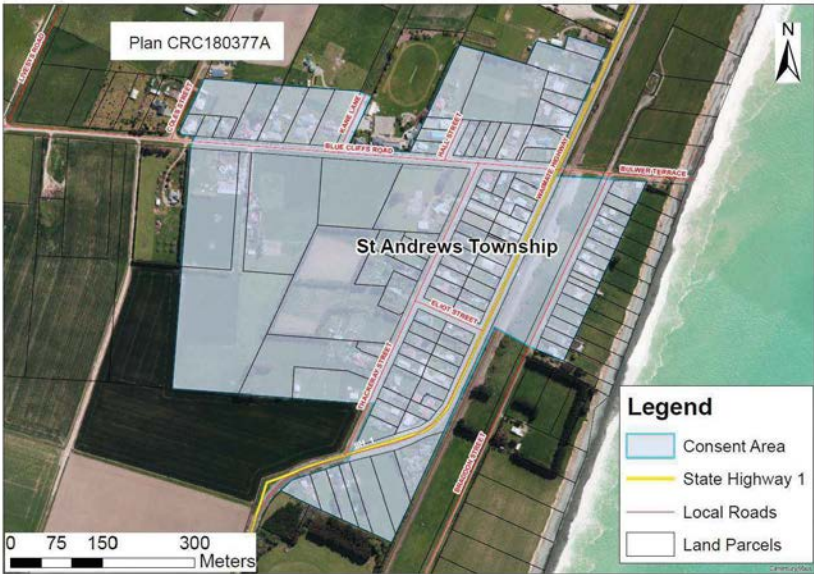
- 22 If this consent is not exercised before 30 September 2022 it shall lapse in accordance with section 125 of the Resource Management Act 1991.

**Issued at Christchurch on 24 August 2017**

Canterbury Regional Council



Plan CRC180377A Site Location



## Exercising of resource consent CRC180377

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

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**GRANTED TO:** Waimate District Council  
**A DISCHARGE PERMIT (S15):** To discharge on-site domestic wastewater into land.  
**LOCATION:** St Andrews Township, St Andrews

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

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 CRC180377 is not used before 30 Sep 2022 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).

**Approximate start date** (*Note: this may be different to the date the consent was granted*): \_\_\_\_\_

**Signed:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Full name of person signing** (please print): \_\_\_\_\_

Please return to:

Environmental Protection - Administration  
Environment Canterbury  
PO Box 345  
Christchurch 8140

File: CRC180377

## Item 7                      Hook-Waituna Rural Water Scheme Hydraulic Model Update

Prepared by:              Dan Mitchell  
                                    Asset Group Manager

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### Purpose of Report

- 1     The purpose of this report is to seek approval to update the existing hydraulic model for the Hook-Waituna Rural Water Scheme.

### Background

- 2     The Hook-Waituna Rural Water Scheme Committee held a meeting on 22 August 2017. The purpose of the meeting was to discuss both commissioning of the water treatment plant and a recent water application.
- 3     A hydraulic model was developed in 2009/2010 to enable the scheme to assess new water allocations to ensure that the scheme did not become over allocated. Over allocation adversely affects existing consumers and can, in the worst-case scenario, result in under supply of contracted water volumes.
- 4     Since the model was created, a number of changes have occurred to the scheme, namely:
  - Additional (metered) connections to the Waimate Urban Supply
  - Optimised pipe replacements (changes to modelled pipe sizes)
  - The inclusion of a booster pump “at source”
  - A number of “new” connections as a result of subdivisions and rationalisation
  - The surrender of old “irrigation units”
- 5     All of these changes have meant that the existing model is now dated and requires an update. The recent water application was for a significant “new” allocation of 15,000 litres per day. Whilst localised modelling demonstrates that this is achievable, this capacity is then no longer available to downstream consumers.
- 6     If granted, this application would incur a capital contribution of \$30,000. Whilst this would wholly offset the cost of modelling, there are other applications that either have been declined in the past or are currently on a waiting list.
- 7     Resultantly, the Committee has resolved, “that the Hook-Waituna Rural Water Scheme funds the overall modelling to facilitate future usage and development thereby giving fairness to all consumers on the scheme.”
- 8     Modelling will ensure that future applications can be approved with confidence. It also enables the demand profile to be updated. Demand varies according to land use change – for example conversions to dairying or high intensity grazing.

## **Proposal / Options**

- 9 To ratify the Hook-Waituna Rural Water Scheme Committee decision to proceed with the hydraulic model update (approximately \$20,000 excluding GST) in the current financial year (2017/18), with the investment predicted to be wholly offset by capital contribution income in the same year, or
- 10 To make provision in the Hook-Waituna Rural Water Scheme operational budget for the 2018/19 financial year.

## **Obstacles**

- 11 There are no known obstacles.

## **Assessment of Significance**

- 12 This matter is not deemed significant under the Council's Significance and Engagement Policy.

## **Budget Considerations**

- 13 Who is the budget holding Manager? Paul Roberts
- 14 Activity, description name and general ledger code: Rural Water Supply, GL 5130
- 15 Budget allocation (current year): None, but offset by unbudgeted income
- 16 Amount spent to date: None
- 17 Can this proposal be accommodated out of remaining budget? See above

## **Cost-effectiveness**

- 18 Consideration has been given to cost-effectiveness.

## **Recommendation**

- 1 That the Hook-Waituna Rural Water Scheme Hydraulic Model Update report is accepted; and
- 2 That the District Infrastructure Committee recommends that Council approves the Hook-Waituna Rural Water Scheme Committee resolution to fund (approximately \$20,000 excluding GST) the overall modelling to facilitate future usage and development thereby giving fairness to all consumers on the scheme.

## Item 8                      Urban Stormwater Open Drain Fencing

Prepared by:              Dan Mitchell  
                                    Asset Group Manager

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### Purpose of Report

- 1      For the District Infrastructure Committee to consider a request for assistance in fencing a section of deep open drain adjacent to Timaru Road, Waimate.

### Background

- 2      The Waimate urban stormwater network is characterised by open channel flow and limited piped reticulation. Typically these terminate at a series of open drains that feed larger watercourses ultimately delivering storm flows to Lake Wainono.
- 3      Often these open drains run through private properties and are not maintained by Council. Some however are “critical assets” serving significant catchments and do require regular maintenance.
- 4      Staff have been approached by the owner of 31 Timaru Road who wishes to fence a portion of the open drain that follows the title boundary. The owner acknowledges the importance of this open drain and would like to:
  - Fence the drain to prevent stock access
  - Mitigate the health and safety concern surrounding the headwall located at the Timaru Road Boundary
  - Ensure that appropriate access is maintained to allow Council contractors to maintain the drain in the future
- 5      Effectively the landowner is consulting with Council in a collaborative manner to ensure a positive outcome for both parties. Although Council is entitled to access existing infrastructure under the provisions of the Local Government Acts (1974, 2002), it also has responsibility for the reinstatement after the fact.
- 6      A plan of the proposal is appended to this report.





Photograph 1 – Timaru Road frontage showing headwall with large drop into the open drain





Photograph 2 – Remaining open drain

- 7 The headwall height and ineffective wire fence does present a health and safety concern which could be mitigated independently though the use of “permanent” materials such as post and rails.
- 8 Positioning of the proposed fence line can be selected to allow machinery access through the property. Access from the adjacent property is problematic due to the presence of a gorse hedge.

## **Proposal / Options**

- 9 That the District Infrastructure Committee considers a 50% cost share arrangement and in return ensures ease of access for future maintenance activities, alongside addressing the health and safety concerns noted by the applicant and subsequent site visits. Estimated total costs are \$1,850 excluding GST (50% of \$3,700); or
- 10 Do nothing.

## **Obstacles**

- 11 There are no known obstacles although future consideration for a policy could be made.

## **Assessment of Significance**

- 12 This matter is not deemed significant under the Council's Significance and Engagement Policy.

## **Budget Considerations**

- 13 Who is the budget holding Manager? Dan Mitchell
- 14 Activity, description name and general ledger code: Stormwater Drainage, 5530510
- 15 Budget allocation (current year): \$6,000
- 16 Amount spent to date: None
- 17 Can this proposal be accommodated out of remaining budget? Yes

## **Cost-effectiveness**

- 18 Consideration has been given to cost-effectiveness.

## **Recommendation**

- 1 That the Urban Stormwater Open Drain Fencing report is accepted; and
- 2 That the District Infrastructure Committee recommends that Council approves the request to fund 50% of the estimated cost (\$3,700) to fence the open drain and associated headwall at 31 Timaru Road, Waimate.





**NORTH**  
1:1,000

Date: 3/09/2017

**Waimate DC**



## **Item 9                      Waimate Consolidated Bylaw – Dispensation Request**

Prepared by:              Dan Mitchell  
                                    Asset Group Manager

---

### **Purpose of Report**

- 1      That continued dispensation is awarded to Jeanette Allnutt for dog obedience classes run at the Victoria Park Velodrome Oval.

### **Background**

- 2      On 30 June 2015, Council ratified a request by Jeanette Allnutt for dispensation to use the Waimate Velodrome, Victoria Park, Waimate for the purposes of dog obedience training.
- 3      The dispensation was granted for a period of 24 months and upon termination, it was agreed that a reapplication was required. The intent of the latter was to maintain the ability for Council to periodically assess the suitability of the land-use.
- 4      Council also requested that staff look into an alternative site for dog obedience classes.
- 5      In essence the dispensation is sought to utilise an area designated as a “Dog Prohibited Public Area” on a weekly basis for a duration of approximately six weeks up to three times per year. The area in question offers many useful attributes, including:
  - a      The site is almost entirely contained by fencing / barriers, which assists novice handlers in controlling their dogs
  - b      The site offers good lighting to enable use during the winter months
  - c      The site, inside of the Velodrome track, is currently under-utilised for many months of the year
- 6      Dispensation for the use of the site does not exclude the users from the remaining provisions of the Consolidated Bylaw 2008, and in particular Chapters 6 through 7.
- 7      To date no issues surrounding the use for dog training have been reported. Staff have been unable to find a suitable alternative that offers similar attributes.
- 8      A copy of Jeanette Allnutt’s application letter dated 24 August 2017 is appended to this report.

### **Proposal / Options**

- 9      Council agrees to provide further dispensation to Jeanette Allnutt for the use of the Victoria Park Velodrome for the purposes of dog obedience training; or

- 10 Council does not agree to provide dispensation for the use of the Victoria Park Velodrome for the purposes of dog obedience training.

## **Obstacles**

- 11 There are no known obstacles.

## **Assessment of Significance**

- 12 This matter is not deemed significant under the Council's Significance and Engagement Policy.

## **Budget Considerations**

- 13 There are no known budget considerations.

## **Cost-effectiveness**

- 14 Cost-effectiveness consideration is not applicable.

## **Recommendation**

- 1 That the Waimate Consolidated Bylaw – Dispensation Request report is accepted; and
- 2 That the District Infrastructure Committee recommends Council approves the request by Jeanette Allnutt for dispensation to use the Waimate Velodrome, Victoria Park, Waimate for the purposes of dog obedience training for a period of 24 months and that a renewal application is submitted by 30 June 2019 and biennially thereafter.

## Item 10

## Wainono Lake Road Carpark – Approval to Vest as Road Reserve

Prepared by: Rob Moffat  
Riding Manager

And: Kevin Tiffen  
Resource Planner

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### Purpose of Report

- 1 The purpose of this report is for the District Infrastructure Committee to consider the Wainono Lake Road Carpark being gazetted as a road reserve.

### Background

- 2 Environment Canterbury has negotiated with the adjoining land owner to create an area of land beside Wainono Lake Road to be formed as a public carpark.

### Proposal

- 3 A copy of the request for approval follows this report. As stated in the letter, this proposed carpark has the potential to be a real draw-card for increasing visitor numbers to the area. The proposed carpark will be formed, landscaped, have amenity structures and signage/interpretation panels provided by others.
- 4 The site works will be designed to ensure minimal maintenance costs over time with above ground assets (signs, plantings, amenity structures) being maintained by contributors to the Wainono Restoration Project. No toilet facilities are included at this time.
- 5 The best method to secure the land as a public carpark is to vest the land as a legal road in the Council. This part of the existing road is located immediately above the high lake terrace and is already used as a turnaround or parking area but is rather restricted by the existing legal road width and lack of formed area. The proposed carpark at this particular location is therefore logical and avoids the flood-ability of the very end of the road which terminates at the lake edge. The other advantage of this particular location for the proposed carpark is that it offers excellent elevated views over the lake and surroundings.
- 6 The proposed carpark could also form the base for future walkways/cycleways that could occur in the area.
- 7 There will some on-going carpark surface maintenance responsibility for the Council after the carpark area is physically formed.

### Obstacles

- 8 There are no known obstacles.

## **Assessment of Significance**

- 9 This matter is not deemed significant under the Council's Significance and Engagement Policy.

## **Budget Considerations**

- 10 Who is the budget holding Manager? Rob Moffat, Roading Manager
- 11 Activity, description name and general ledger code: Footpath & Carpark Maintenance Budget
- 12 Can this proposal be accommodated out of remaining budget? Yes

## **Cost-effectiveness**

- 13 Consideration has been given to cost-effectiveness.

## **Recommendation**

- 1 That the Wainono Lake Road Carpark – Approval to Vest as Road Reserve report is accepted; and
- 2 That the District Infrastructure Committee recommends that Council approves the surveying of the Wainono Lake Road carpark area and subsequent vesting as a legal road.



25 May 2012



Customer Services  
P. 03 353 9007 or 0800 324 636  
PO Box 345  
Christchurch 8140  
P. 03 365 3828  
F. 03 365 3194  
E. [ecinfo@ecan.govt.nz](mailto:ecinfo@ecan.govt.nz)  
[www.ecan.govt.nz](http://www.ecan.govt.nz)

Kevin Tiffen  
District Planner  
Waimate district Council  
PO Box 122,  
**Waimate 7960**

Dear Kevin

**Approval for Road Reserve at Lake Road, Wainono Lagoon.**

As previously discussed in relation to the Te Mana o Te Wai Wainono Restoration Project, a car park area is proposed at the end of the terrace on Lake Road opposite the Waimate SH1 turn off. It has been negotiated with the land owner David Johnstone that an area of his land be set aside for this purpose and that this area be gazetted as Road Reserve to secure public access in perpetuity.

One of the priority outcomes for this project is to improve public access and amenity values around the lagoon, improve visitor experience, and broaden the sense of ownership and value in the lagoon's restoration. The lagoon sees increasing visitor numbers and has the potential to become a real draw card for visitors to the area. The site will have a landscape plan produced with plantings, amenity structures and signage/interpretation panels will be developed to provide visitor information. These developments will be done in collaboration with Waimate District Council, Waihao Rūnanga and the Department of Conservation.

The area of land for the carpark is kindly being donated by David Johnstone and all other costs are being met by the Te Mana O Te Wai project including survey, legal, site works, landscaping and signs. The site works will be designed to ensure minimal maintenance costs over time with above ground assets (signs, plantings, amenity structures) being maintained by contributors to the Wainono Restoration Project.

This letter seeks Waimate District Council support in securing public access to this site by approving to have this carpark gazetted as Road Reserve under the District Council, contiguous with the Council's existing Road Reserve. (See attached map Fig. 1)

The Waimate District Council have been very supportive of the aims of the Wainono Restoration Project and this would be a significant contribution to this work.

I look forward to hearing from you soon.

Your Sincerely

Kennedy Lange

Our ref: TMOTW  
Your ref:  
Contact: [kennedy.lange@ecan.govt.nz](mailto:kennedy.lange@ecan.govt.nz) 0272076375



Fig. 1 Proposed carpark site.



Copy To G-W DM mm

For Action By G-W

Enclosure Held By —

24 August, 2017.

Waimate District Council,  
Queen Street  
Waimate 7924.

Dear Sir/Madam,

I wish to make an application to use Victoria Park grassed oval to hold dog training classes in October & February.  
These classes would be run on a Monday evening for 6 weeks. All dogs will at be under control at all times.

Yours Faithfully,

Jeanette Allnutt

A handwritten signature in black ink that reads "Jeanette Allnutt".



## **Item 11**

## **Consideration of Major (Urgent Business) or Minor Items not on the Agenda**

Prepared by:       Stuart Duncan  
                          Chief Executive

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The District Infrastructure Committee is to consider any major (urgent business) or minor items identified earlier in the meeting.