



WAIMAKARIRI  
DISTRICT COUNCIL

# Utilities and Roading Committee

## Agenda

Tuesday 17 May 2022

4pm

*Council Chamber  
215 High Street  
Rangiora*

*Members:*

Cr Robbie Brine (Chairperson)

Cr Al Blackie

Cr Sandra Stewart

Cr Joan Ward

Cr Paul Williams

Mayor Dan Gordon (ex officio)

**A MEETING OF THE UTILITIES AND ROADING COMMITTEE WILL BE HELD IN THE COUNCIL CHAMBER, 215 HIGH STREET, RANGIORA ON TUESDAY 17 MAY 2022 AT 4PM**

Recommendations in reports are not to be construed as Council policy until adopted by the Council

**BUSINESS**

Page No

**1 APOLOGIES**

**2 CONFLICTS OF INTEREST**

*Conflicts of interest (if any) to be reported for minuting.*

**3 CONFIRMATION OF MINUTES**

**3.1 Minutes of a meeting of the Utilities and Roothing Committee held on Tuesday 26 April 2022**

5-13

*RECOMMENDATION*

**THAT** the Utilities and Roothing Committee:

- (a) **Confirms** the circulated Minutes of a meeting of the Utilities and Roothing Committee held on 26 April 2022, as a true and accurate record.

**3.2 Matters arising**

**4 DEPUTATION/PRESENTATIONS**

Nil.

**5 REPORTS**

**5.1 May 2021, December 2021 and February 2022 Flood Events – Service Requests Update – Emile Klopper (Flood Team Lead), Caroline Fahey (Water Operations Team Leader) and Kalley Simpson (3 Waters Manager)**

14-22

*RECOMMENDATION*

**THAT** the Utilities and Roothing Committee:

- (a) **Receives** report No. 220505070890.
- (b) **Notes** that 598 drainage service requests were received related to the significant rainfall events in May 2021, December 2021 and February 2022, which have all been responded to although approximately 138 requests require further maintenance or investigation work.

- (c) **Notes** that there are currently 59 drainage assessments identified and this is likely to increase as the service requests are worked through. Progress made since the previous Utilities & Roding Committee meeting is set out in Section 4 and is supported by the weekly update memos.
- (d) **Notes** that background information in regards to the recent flooding event can be viewed in report No. 220310034384 entitled: “February 2022 Flood Event - Update on Service Requests”.
- (e) **Notes** that a webpage has been set up on the Council’s website to provide updates on the status of drainage works underway and targeted information will be sent out to the Waikuku Beach and Kaiapoi communities.  
  
URL:<https://www.waimakariri.govt.nz/services/waterservices/stormwater/drainage-works>
- (f) **Notes** that if further budgets are required for any capital works identified as part of the drainage assessment work, that these will be sought as part of the 2022/23 Annual Plan process.
- (g) **Circulates** this report to the Council and Community Boards for information.

## 6 **CORRESPONDENCE**

Nil.

## 7 **PORTFOLIO UPDATES**

7.1 **Roding – Councillor Paul Williams**

7.2 **Drainage and Stockwater – Councillor Sandra Stewart**

7.3 **Utilities (Water Supplies and Sewer) – Councillor Paul Williams**

7.4 **Solid Waste– Councillor Robbie Brine**

7.5 **Transport – Mayor Dan Gordon**

## 8 **QUESTIONS UNDER STANDING ORDERS**

## 9 **URGENT GENERAL BUSINESS**

## 10 **MATTERS TO BE CONSIDERED WITH THE PUBLIC EXCLUDED**

*Section 48, Local Government Official Information and Meetings Act 1987*

*RECOMMENDATION*

**THAT** the public be excluded from the following parts of the proceedings of this meeting.

The general subject of the matter to be considered while the public is excluded, the reason for passing this resolution in relation to the matter and the specific grounds

under section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution, are as follows:

Item No	Minutes/Report of:	General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48(1) for the passing of this resolution
10.1	Report from Management Team meeting	Report for information	Good reason to withhold exists under Section 7	Section 48(1)(a)

This resolution is made in reliance on section 48(1)(a) of the Local Government Official Information and Meetings Act 1987, and the particular interest or interests protected by section 6 or section 7 of that Act which would be prejudiced by the holding of the whole or relevant part of the proceedings of the meeting in public are as follows:

Item N°	Reason for protection of interests	Ref NZS 9202:2003 Appendix A
10.1	Protection of privacy of natural persons To carry out commercial activities without prejudice	A2(a) A2(b)ii

### **CLOSED MEETING**

*See Public Excluded Agenda (separate document)*

### **OPEN MEETING**

### **NEXT MEETING**

The next meeting of the Utilities and Roothing Committee is scheduled for 4pm, on Tuesday 21 June 2022.

### **BRIEFING**

- Drainage Maintenance – Kalley Simpson (3 Waters Manager)

*The purpose of this briefing is to provide an overview on 3 Waters staff's management of drainage maintenance within the Waimakariri district. A summary of the current status of maintenance work will also be presented.*

**WAIMAKARIRI DISTRICT COUNCIL**

**MINUTES OF THE MEETING OF THE UTILITIES AND ROADING COMMITTEE HELD REMOTELY VIA ZOOM ON TUESDAY 26 APRIL 2022 COMMENCING AT 3.30PM.**

**PRESENT**

Councillor R Brine (Chairperson), Mayor D Gordon, Councillors A Blackie, S Stewart, J Ward and P Williams

**IN ATTENDANCE**

Councillors N Atkinson, P Redmond, S Stewart, N Mealings, W Doody (until 5.03pm) G Cleary (Manager Utilities and Roading), K Simpson (3 Waters Manager), E Klopper (Flood Team Lead) and A Smith (Governance Coordinator)

**1 APOLOGIES**

There were no apologies.

**2 CONFLICTS OF INTEREST**

There were no conflicts of interest recorded.

**3 CONFIRMATION OF MINUTES**

**3.1 Minutes of a meeting of the Utilities and Roading Committee held on Tuesday 22 March 2022**

Moved Councillor Williams

Seconded Councillor Blackie

**THAT** the Utilities and Roading Committee:

- (a) **Confirms** the circulated Minutes of a meeting of the Utilities and Roading Committee held on 22 March 2022, as a true and accurate record.

**CARRIED**

**3.2 Matters arising**

Councillor Williams asked if there was any update on the staffing levels for contractors available to clean the drains before the winter months. G Cleary advised that there were challenges for all the contractors, and there was currently no spare capacity. The subcontractor who undertakes the drainage clearing had brought on more resources and the Council had the ability to bring on extra contractors if needed. K Simpson said staff were actively working with CORDE to prioritise which drains were being worked on, and for any specific drains that were a concern, staff will prioritise these. Councillor Williams would like to know if there were any other local contractors that could be used now, before the winter. G Cleary said this is a step that the Council can use, if it was considered necessary.

Councillor Stewart noted she had raised the matter regarding the updates on the flooding issues and that these were not easily located on the website. K Simpson pointed out that the link is in the report under Item 5.1. It was advised that there had been some delays with updating the information but it

would be updated in the next few days. Councillor Stewart was concerned that the public should be able to access the information on how the Council was addressing all the flooding issues. The Communications team have been working on this matter and K Simpson confirmed that this information would be available on the home page of the website by close of business on Thursday.

#### **4 DEPUTATION/PRESENTATIONS**

Nil.

#### **5 REPORTS**

##### **5.1 May 2021, December 2021 & February 2022 Flood Events – Service Requests Update – Emile Klopper (Flood Team Lead), Caroline Fahey (Water Operations Team Leader) and Kalley Simpson (3 Waters Manager)**

K Simpson and G Cleary presented this report, advising that the Council had completed 26 of the 59 investigations, with 24 investigations currently underway. 28 have been assigned, with only a handful of investigations yet to be assigned to a Flood Team staff member.

Broadway Avenue in Waikuku Beach has had some design work undertaken, and it was anticipated that staff would be speaking with the resident in the next week, to get their feedback.

Staff were considering a range of options for Swindells Avenue Waikuku Beach, either being short term or long term . It was not anticipated that a long term solution would be able to be funded by the Annual Plan budget.

K Simpson also highlighted that further investigation work was required on two properties in Kaiapoi. Regarding the improvements required on Cust Road, there were three distinct areas that staff were looking at.

At Ranui Mews in Kaiapoi, staff had used cameras in the pipeline, which had revealed some quite large fat deposits in the pipeline. This fat would have significantly impacted on the ability of the system to function properly and these had now been removed. K Simpson pointed out that none of the upstream or adjacent properties to Ranui had experienced any difficulties and it was considered that the toilets should have still been operating okay at Ranui Mews.

Councillor Atkinson asked where would the fat deposits have come from in the pipe system near Ranui Mews. K Simpson explained that following work at the Parnham Lane pump station in 2021, this may have pushed the fat back up the pipeline. The source of the fat deposits was related to one of the trade waste agreements and confirmed this was a one-off issue.

Following a question from Councillor Williams, K Simpson provided an overview of the investigations that are underway. Councillor Williams enquired if there was capacity of contractors to undertake this work. K Simpson advised that maintenance work involves managing a lot of smaller projects and part of the flood team work is to make sure that this work was being undertaken. Councillor Williams reinforced his concerns that the drains need to be cleaned before the winter rains arrive.

G Cleary added that some of the projects would involve being able to do some immediate work, but there would also be some longer term work required for some projects which would involve substantial capital works upgrades. All these issues would not be able to be fixed before winter.

Mayor Gordon also requested confirmation that there was staffing/contractor capacity for these maintenance issues and supports a regular update to Councillors (possibly weekly). Mayor Gordon also sought confirmation that there had been communication with the Waikuku Beach residents to keep them updated and noted the importance of the Council

G Cleary confirmed staff would give a more regular update to the Council on progress with these issues and also noted that if Councillors had any concerns with specific drains or issues, to make direct contact with staff.

Councillor Mealings sought confirmation that staff had been in contact with the resident of the Mill Road Ohoka property. K Simpson confirmed that there had been direct contact made with the landowner at 175 Mill Road by a Council staff member and the resident is up to date with the status of their request.

Councillor Redmond asked if the contractors currently working for the Council were meeting their obligations regarding levels of service in terms of maintenance. K Simpson acknowledged there was currently a backlog of maintenance work and the contractors/sub-contractors were considering how to re-order their work. As part of regular meetings between the Council and contractors, the levels of service are discussed and also the maintenance requirements. It was advised that some drains were requiring further cleaning than what is in the maintenance contract, and this is proving challenging. This was a result of warm weather and excessive weed growth. Improving processes at both the Council and CORDE were being worked on. Councillor Redmond asked if contractual levels of service were not being met, was there any financial implications. K Simpson advised that some maintenance work is undertaken on a yearly basis with a set amount paid each year, and other drains are paid for on a time and expense basis. If it is a wetter and warmer year, then there would be higher maintenance costs for these drains. There is no penalty payment within the contract if contractors get behind in certain drain maintenance, but these drains are included in a list and staff keep a track on this.

Councillor Williams asked if staff do monitor the cleaning of drains and that the work is being done properly by the contractors. K Simpson said staff work with the contractors to make sure that the method of cleaning is the most appropriate.

Moved Councillor Williams

Seconded Councillor Blackie

**THAT** the Utilities and Roading Committee:

- (a) **Receives** report No. 220413056836.
- (b) **Notes** that 598 drainage service requests related to the significant rainfall events in May 2021, December 2021 and February 2022 were received, which have all been responded to although some require further maintenance or investigation work.
- (c) **Notes** that there are currently 59 drainage assessments identified and this is likely to increase as the service requests are worked through. Progress made since the previous Utilities & Roading Committee meeting is set out in Section 4 of the report.
- (d) **Notes** that background information in regards to the recent flooding event can be viewed in report No. 220310034384 entitled: "*February 2022 Flood Event - Update on Service Requests*".
- (e) **Notes** that a webpage has been set up on the Council's website to provide updates on the status of drainage works underway and targeted information will be sent out to the Waikuku Beach and Kaiapoi communities.

- (f) **Notes** that if further budgets are required for any capital works identified as part of the drainage assessment work, that these will be sought as part of the 2022/23 Annual Plan process.
- (g) **Circulates** this report to the Council and Community Boards for information.

**CARRIED**

Councillor Williams expressed his concern that the cleaning of drains needs to be kept up to date, especially heading into the wetter winter months. He would support the hiring of further external contractors to get this work up to date.

Mayor Gordon noted these issues are important and are a concern to residents, and if additional resource is required, would support this. More regular reporting to the Council will provide reassurance that the work is being undertaken.

Councillor Stewart endorsed the previous comments of fellow Councillors and believes there should be better communication with residents and that it should be easier for updated information on flood event projects to be accessed by the public on the council website. Councillor Stewart would also support more regular information being provided to Councillors, to keep members up to date on the status of projects.

## 6 CORRESPONDENCE

Nil.

## 7 REPORTS REFERRED FROM THE OXFORD-OHOKA COMMUNITY BOARD AND WOODEND-SEFTON COMMUNITY BOARD

### 7.1 No-Stopping Restriction on Tram Road at Earlys Road Intersection – Shane Binder (Transport Engineer) and Kathy Graham (Journey Planner/Road Safety Co-ordinator)

*(refer to copy of report no. 211104177987 to the Oxford-Ohoka Community Board meeting of 9 December 2021)*

S Binder presented this report, which related to the issue of large vehicles parking on this Tram Road/Earlys Road intersection. There is a passing lane here and the parked vehicles were blocking visibility.

Councillor Doody asked if there were other locations that truck drivers could park their trailers. S Binder said there had not been any further locations specifically identified for trailers to be parked and there will be further coordination for this.

Moved Councillor Brine

Seconded Councillor Williams

**THAT** the Utilities and Roading Committee:

- (a) **Receives** Report No. 211104177987.
- (b) **Approves** establishment of a no-stopping restriction on the south side of Tram Road, to both the east and west of Earlys Road, for a length of 65 metres in each direction.

**CARRIED**



**7.2 Vaughan Street, Sefton – Approval of No-Stopping Restriction – Shane Binder (Transport Engineer)**

*(refer to attached copy of report no. 220201012278 to the Woodend-Sefton Community Board meeting of 15 February 2022)*

S Binder advised that since this report was presented to the Community Board, a notice had been sent out on 17 March to the owners of the five properties affected and there had been no feedback received from that.

G Cleary added that there are a number of physical constraints on this site, noting the large hedge which extends quite a long way into the road reserve. This hedge is on the Council reserve and provides shelter for the reserve. There is only a small number of properties along this street and the kerb and channel is needed for drainage. This subdivision has significant drainage challenges during this development. S Binder advised that currently there is one house in the subdivision being resided in and the other four are under construction.

Councillor Redmond noted that following the consultation with residents it appears there are no issues. Councillor Redmond queried why the berm was wide and road quite narrow, where it would have been preferable to be the other way. G Cleary noted that services go into the berm, and confirmed that the trees/hedge go well out into the road reserve, which was one of the constraints. Without any parking on that road, it is adequate to service the area. J McBride added that there was a large stormwater pipe which runs underneath the berm, so the road couldn't be directly over this pipe.

Councillor Stewart noted that Sefton Town is split with rating, with Ecan rating covering everything except road drainage and questioned development in the town when there is no town centre plan in place. G Cleary noted that currently Sefton has no WDC urban drainage system and there was to be further development this could be more of an issue. There was quite a challenge for the community of Sefton in the future and the current level of service, as a rural community, has been acceptable. There may need to be consultation with the residents of Sefton in the future, to have a more formal WDC rating area.

Councillor Ward asked about what plans are there for footpaths, particularly for children walking to school. J McBride advised that Sefton wasn't currently rated for footpaths, with a general look and feel of a settlement area. The Council does not currently have footpaths planned.

Moved Mayor Gordon

Seconded Councillor Williams

**THAT** the Utilities and Roading Committee:

- (a) **Receives** Report No. 220201012278.
- (b) **Approves** installation of the following no-stopping restriction on Vaughan Street:
  - i. For 120 metres length north of Cross Street on the west side.
  - ii. For 105 metres length north of Cross Street on the east side.
- (c) **Notes** that staff have not consulted with property owners, but an information notice explaining the need for parking restrictions will be distributed to all residences prior to any works being undertaken.

**CARRIED**

Mayor Gordon noted this matter has been to the Community Board and acknowledged that this had now been communicated with the residents.

Councillor Stewart was in support of this recommendation, but raised the comment that with the development approved in Sefton, noting that there are three drainage rating areas that Environment Canterbury administer – being Sefton Town, Sefton- Ashley Area, and the Ashley area proper. This was a small development which had challenges and Councillor Stewart suggested a future briefing to the Council as this township has no services and has major resource issues. Councillor Stewart would like Council to have a more comprehensive look at the growth of Sefton.

Mayor Gordon said that consideration of a plan and the wider servicing issues for Sefton needs to be considered, noting that the Council had previously committed resources to a new community facility in Sefton. Discussion with the community would identify what they would like in their town.

## **8 MATTERS FOR INFORMATION**

### **8.1 Extension of Contract: 18/56 – Street Lighting Maintenance & Renewals – Report to Management Team Meeting 4 April 2022– to be circulated to Utilities and Roothing Committee.**

Moved Councillor Ward

Seconded Councillor Brine

**THAT** the Utilities and Roothing Committee receives the information in Item 8.1.

**CARRIED**

### **8.2 Skewbridge Warning Signage Project - Report to Accept Invited Price – Report to Management Team Meeting 11 April 2022– to be circulated to Utilities and Roothing Committee.**

Councillor Williams queried the level of funding required for this project and suggested the electronic signage would be adequate to slow traffic down in the first instance without any additional measures, which added to the cost.

J McBride noted that a report had previously been to the U&R Committee, with the work suggested to include signage and a number of measures to support lower traffic speed through that area and over the bridge. A combination of factors is often needed to slow traffic down, including threshold widening, and pavement widening around the signs. The road marking of a wide centre line narrows the lanes and also helps with speed reduction.

Moved Councillor Ward

Seconded Councillor Brine

**THAT** the Utilities and Roothing Committee receives the information in Item 8.2.

**CARRIED**

Councillor Ward supports any undertakings to slow traffic down and encourage safer driving.

### **8.3 Request for Time-Restricted Parking at Rangiora Borough School – Report to Rangiora-Ashley Community Board Meeting 13 April 2022– to be circulated to Utilities and Roothing Committee.**

Moved Councillor Ward

Seconded Councillor Brine

**THAT** the Utilities and Roothing Committee receives the information in Item 8.3.

**CARRIED**

## 9 **PORTFOLIO UPDATES**

### 9.1 **Roading – Councillor Paul Williams**

Councillor Williams acknowledged the work that had been undertaken in maintenance of the gravel roads. Councillor Williams expressed disappointment with the level of funding from Land Transport NZ for road maintenance.

#### Updates

- Fernside pavement rehabilitation is completed and the road is now reopened.
- Chip Sealing programme has been completed for the year.
- Footpath renewals are underway on East Belt
- Kerb and channel completed on Durham Street and a short section of East Belt near Whales Street.
- Regarding the failure of the Butchers Road culvert. Councillor Williams expressed concern that this road is still closed. G Cleary noted that there was a report coming to Council on roading issues, which includes this culvert.

Councillor Mealings noted that the Butchers Road culvert is now open for foot traffic and cycles and acknowledged that residents are grateful for this being organised by Council staff, particularly J McBride.

### 9.2 **Drainage and Stockwater – Councillor Sandra Stewart**

Councillor Stewart, noted that the Hearings Panel is still awaiting to see a draft of the communications package following the Stockwater Race Bylaw Review hearings in September 2021. It was clear from this review that many people did not understand their obligations as property owners.

### 9.3 **Utilities (Water Supplies and Sewer) – Councillor Paul Williams**

It was encouraging that there had been less deaths of birds from botulism at the waste treatment plant at Kairaki Beach.

Commented that if it was necessary in the future for water supplies to be chlorinated, that this may have an impact on the pipe system.

### 9.4 **Solid Waste– Councillor Robbie Brine**

Councillor Brine reported that there has been a minor issue at Sutherlands pit and staff looking at the possibility of installing some cameras.

Waste Management has been sold to an Australian company, Ingenio Investments. At the meeting on 4 April, the interim report from Transwaste on Kate Valley was accepted and discussion on transportation costs. Also at the meeting it was agreed to adjust the system of charging for those users who are further away from Kate Valley landfill site. As this agreement was 20 years old, there has been a slight adjustment made to the formula which has a slight impact to this Council. Meetings of the Joint Committees were also held and it was advised that due to Covid, there is unallocated funds for waste minimisation, and it was agreed for these funds to be held over. It was confirmed that the money is held by Councils and used by the Councils as necessary.

Regarding the collection of waste, in bins and the black rubbish bags, Councillor Williams asked why the black bags were not being collected, when the trucks are able for collection of both the bins and bags. G Cleary responded that on a particular day when the black bags were not collected, the operator was injured and there was not capacity to do another collection to collect the bags. The bins were collected.

G Cleary also provided a response to a query Councillor Williams had on the greenwaste operators using the transfer station.

#### **9.5 Transport – Mayor Dan Gordon**

Mayor Gordon is seeking a meeting with NZTA, on a number of issues, one being clarification on the process for speed reduction in the township of Oxford, and following this discussion, there may be another report back to the Community Board and the Council to seek views.

Woodend safety improvements would also be on the agenda at the NZTA meeting, and Mayor Gordon wanted to know that there would be a firm commitment from NZTA. This is a matter that had been raised for three years. Mayor Gordon will report back to the Committee again following the meeting.

Councillor Ward noted the concerns of pedestrians crossing State Highway at the Pegasus-Ravenswood roundabout, and would an underpass be an option. Mayor Gordon said this would also be part of the conversation with NZTA as a matter for safety improvements. This is one option that could be discussed for this intersection

#### **10 QUESTIONS UNDER STANDING ORDERS**

There was no questions

#### **11 URGENT GENERAL BUSINESS**

There was no urgent general business.

#### **12 MATTERS TO BE CONSIDERED WITH THE PUBLIC EXCLUDED**

*Section 48, Local Government Official Information and Meetings Act 1987*

Moved Councillor Brine                      Seconded Councillor Ward

**THAT** the public be excluded from the following parts of the proceedings of this meeting.

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The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter and the specific grounds under section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution, are as follows:

Item No	Minutes/Report of:	General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48(1) for the passing of this resolution
12.1 – 12.3	Reports from Management Team meetings	Reports for information	Good reason to withhold exists under Section 7	Section 48(1)(a)

This resolution is made in reliance on section 48(1)(a) of the Local Government Official Information and Meetings Act 1987, and the particular interest or interests protected by section 6 or section 7 of that Act which would be prejudiced by the holding of the whole or relevant part of the proceedings of the meeting in public are as follows:

Item N°	Reason for protection of interests	Ref NZS 9202:2003 Appendix A
12.1 – 12.3	Protection of privacy of natural persons To carry out commercial activities without prejudice	A2(a) A2(b)ii

**CARRIED**

**CLOSED MEETING**

*See Public Excluded Agenda (separate document)*

**OPEN MEETING**

**NEXT MEETING**

The next meeting of the Utilities and Roading Committee is scheduled for 4pm, on Tuesday 17 May 2022.

There being no further business, the meeting closed at 5.35pm.

CONFIRMED

\_\_\_\_\_  
Chairperson  
Councillor Robbie Brine

\_\_\_\_\_  
Date

**WAIMAKARIRI DISTRICT COUNCIL****REPORT FOR INFORMATION**

**FILE NO and TRIM NO:** DRA-16-03 / 220505070890


**REPORT TO:** UTILITIES AND ROADING


**DATE OF MEETING:** 17 May 2022

**AUTHOR(S):** Emile Klopper, Flood Team Lead  
Caroline Fahey, Water Operations Team Leader  
Kalley Simpson, 3 Waters Manager

**SUBJECT:** May 2021, December 2021 & February 2022 Flood Events – Service Requests Update

**ENDORSED BY:**  
(for Reports to Council, Committees or Boards)

  
 \_\_\_\_\_  
 Department Manager

  
 \_\_\_\_\_  
 Chief Executive

**1. SUMMARY**

- 1.1 The purpose of this report is to update the Utilities & Roading Committee on the status of the drainage service requests received related to the significant rainfall events that occurred over the 29<sup>th</sup> to 31<sup>st</sup> May 2021, 15<sup>th</sup> December 2021 and 12<sup>th</sup> February 2022.
- 1.2 A total of 598 drainage service requests were received related to these rainfall events and a total of 59 areas have been identified for further assessment.
- 1.3 The focus of this report is to provide feedback on the 59 areas identified and progress made with investigation work since the previous Utilities and Roading Committee meeting held on 22 March 2022.

Attachments

- i. Progress and status of the 59 Focus Areas

**2. RECOMMENDATION**

**THAT** the Utilities & Roading Committee:

- (a) **Receives** report No. 220505070890.
- (b) **Notes** that 598 drainage service requests were received related to the significant rainfall events in May 2021, December 2021 and February 2022, which have all been responded to although approximately 138 requests require further maintenance or investigation work.
- (c) **Notes** that there are currently 59 drainage assessments identified and this is likely to increase as the service requests are worked through. Progress made since the previous Utilities & Roading Committee meeting is set out in Section 4 and is supported by the weekly update memos.
- (d) **Notes** that background information in regards to the recent flooding event can be viewed in report No. 220310034384 entitled: "*February 2022 Flood Event - Update on Service Requests*".

- (e) **Notes** that a webpage has been set up on the Council's website to provide updates on the status of drainage works underway and targeted information will be sent out to the Waikuku Beach and Kaiapoi communities.

URL: <https://www.waimakariri.govt.nz/services/water-services/stormwater/drainage-works>

- (f) **Notes** that if further budgets are required for any capital works identified as part of the drainage assessment work, that these will be sought as part of the 2022/23 Annual Plan process.

- (g) **Circulates** this report to the Council and community boards for information.

### 3. **PROGRESS SINCE PREVIOUS REPORT**

- 3.1. Attachment I provides a snapshot of each of the 59 Focus Areas' status and whether CCTV, Maintenance and/or Survey is required.

- 3.2. In addition to Attachment I, three separate projects were compiled to consolidate the remaining focus areas' works into separate packages of maintenance, CCTV and survey works.

- 3.3. Since the previous Utilities & Roading Committee update meeting, the Flood Team have continued to focus their attention on investigating the below 5 key focus areas, with the addition of the aforementioned "consolidation projects". These key Focus Areas and their progress will be briefly discussed in Section 4 of the memo.

- Broadway Avenue, Waikuku Beach
- Swindells Road, Waikuku Beach
- Fuller Street, Kaiapoi
- Cust Road, Cust
- Ranui Mews, Kaiapoi
- Consolidation Projects
  - Maintenance
  - CCTV & Jetting
  - Surveying

- 3.4. **Table 1** below provides a breakdown/summary of all the focus areas per drainage scheme.

**Table 1: 59 Focus Areas Breakdown**

Scheme	Total	Status		Planned		
		Allocated	Started	Maintenance	CCTV & Jet	Survey
Rangiora	3	3	1	1	2	0
Kaipoi	17	16	6	3	8	1
Woodend	3	3	1	0	1	0
Waikuku Beach	4	4	4	1	1	0
Pines Kairaki	3	3	1	1	0	0
Pegasus	1	1	0	0	1	0
Oxford Urban	5	5	2	2	1	0
Ohoka Rural	4	3	2	0	0	0
Oxford Rural	1	1	1	0	0	0
Coastal Rural	4	3	0	0	0	0
Rural Central	1	1	0	1	0	0
Cust Rural	2	2	2	0	0	0
District Drainage	9	9	4	2	0	0

Other	2	2	2	0	0	0
Total	59	56	26	11	14	1

#### 4. **KEY FOCUS AREAS**

4.1. Progress on the 5 key focus areas is summarised below as well as the “Consolidation Projects” (Maintenance, CCTV and Survey packages):

##### 4.1.1. **Broadway Avenue, Waikuku Beach**

- Desktop and onsite investigations were carried out to determine the extent of the problems and their root cause.
- Maintenance, CCTV and survey briefs were compiled and issued with works programmed to take place:
  - Maintenance of existing
    - The downstream drain was found to be overgrown. The maintenance Contractor was instructed to clean out the drains which will improve overall drainage within the area.
      - Works have been completed but some works have been missed. The Contractor was instructed to return and complete the remaining works
  - CCTV and jetting
    - Stormwater infrastructure (both pipes and sumps) were found to be silted up. There were also disparities found between onsite observations and GIS data. A CCTV survey was issued and jetting of the infrastructure. Jetting will also greatly improve drainage of the area.
      - Completed
  - Survey of existing and proposed
    - A survey was recently done of the surrounding area to confirm ground levels which will impact the ultimate designed solution.
- The preliminary design, based on available GIS and Lidar data, includes a proposed piped system from Kiwi Ave Park out to Broadway Ave through private property. Survey results have recently been returned and the Flood Team is in the process of interpreting the results to confirm the design. Affected landowners will be notified once the designs have been confirmed.
- High level cost estimates will be compiled once the designs have been completed to avail budgets.

##### 4.1.2. **Swindells Road, Waikuku Beach**

- Topographical survey and CCTV inspection of pipework have been completed.
- The driveway culverts along both sides of Swindells Road are partially silted up and will be cleaned out.
- Options memo is currently being progressed covering the following short to long term options:
  - Short term solution - Upgrade/clean out existing pipework, driveway culverts, swales to meet reasonable level of service (expected 2 year AEP) as low cost.
  - Medium term solution - Improve primary capacity including linking existing low point to existing sump and temporary pump to be deployed in larger event to manage flows in excess of primary capacity.
  - Long term solution to ensure no flooding of houses in 50 year event, including potentially
    - upsizing existing pipework
    - replacing the section through the stopbank
    - new pipe through the stopbank from the low point
    - permanent pump station



- Potential tie in to broader further works in Waikuku Beach including potential for retention basin in the adjacent reserve etc.
- It is anticipated that further budget would be required in order to implement these upgrades, which will be addressed as part of the Drainage staff submission on the draft Annual Plan.
- Optioneering workshop to be held mid-May to discuss the solutions and agree on a way forward.

#### **4.1.3. Fuller Street, Kaiapoi**

- Initial meeting has been held with the affected property owners.
- Onsite CCTV connectivity and topographical survey to be undertaken by Council.
  - Brief compiled and sent to Contractor for pricing. Works to be programmed for mid-May once fee agreement has been made.
- Survey brief has been compiled and issued to PDU. Surveying to be programmed for end of May.
- Potential solution is a bund/barrier along the rear boundary and flap gates on the stormwater outlets to prevent water from the drain entering the property and onsite improvements to drain rainwater from the property to the drain.
- A memo will be prepared with advice to the landowners in terms of onsite improvements and concept design and cost estimate for the bund/barrier along the rear boundary.

#### **4.1.4. Cust Road, Cust**

- Desktop and onsite investigations were carried out to determine the extent of the problems and their root cause.
- Various options were developed as part of the preliminary design, all of which require some level of input from the Roding team. Meetings have been held to discuss the options with the team.
- Flood Team to compile a pros and cons list of the various options complete with high level cost estimate to assist the Roding Team in the selection of a most appropriate option

#### **4.1.1. Ranui Mews, Kaiapoi**

- 4.1.2. The following investigations are underway to try and understand what is causing the issues with the toilets at Ranui Mews:
- CCTV inspection of pipework at Ranui Mews – We have put a camera through the four sewer laterals onsite. This did not identify any significant issue.
  - CCTV inspection of Council sewer mains – We have put a camera through the sewer mains from the shops to the north of Ranui Mews to the Ohoka Road / Vickery Street intersection. This did not identify any significant issue, however evidence of surcharging within these manholes was still evident. We subsequently inspected the 300mm main in Vickery Street and identified some significant fat build-up in the pipes, this has been removed and the source of the fat is currently being investigated.
  - Installation of level loggers in manholes – We have installed some level gauges in several manholes in the Ohoka Road catchment. These will send out an alert if the manholes begin to surcharge. This will help us to respond to issues more quickly and also to identify any locations of significant inflows to the system during rainfall events.
  - Onsite venting at Ranui Mews However – Concern over the venting of the toilets has been raised. Onsite investigations have been undertaken by a certified plumber and further work it proposed to establish if the venting is causing an issue with the toilets. This work involves surcharge the system to see if it causes the airlock in the system as suspected.

4.1.3. The information collected from this investigation work, will be used to identify potential solutions. Once we have a recommended solution we will inform residents of the likely timeframe to implement the works. It is noted that the solution may be a combination of both onsite improvements to the Ranui Mews system and also offsite improvements to the Council's sewer mains.

4.2. Further programme and progress updates will be reported to the Utilities and Roading Committee at future meetings as this work progresses.

#### **Implications for Community Wellbeing**

Some of the locations of flooding have had flooding in the past and some residents have had to make insurance claims for flood related damage. This has a potential implication on community wellbeing for these residents.

4.3. The Management Team has reviewed this report and support the recommendations.

### **5. COMMUNITY VIEWS**

#### **5.1. Mana whenua**

Te Ngāi Tūāhuriri hapū are not likely to be directly affected by this work. However they will have an interest in any future proposed works that may have an impact on waterways and rivers. Staff will update the Runanga at the executive meetings and where relevant on specific projects engage with MKT.

#### **5.2. Groups and Organisations**

Community boards and drainage advisory groups will be updated on the investigation works and any specific future proposed works that come out of the assessment.

#### **5.3. Wider Community**

A dedicated webpage was been set up for the May 2021 event and has been recently updated, refer:

<https://www.waimakariri.govt.nz/services/water-services/stormwater/drainage-works>

A community meeting was held for Waikuku Beach residents on 6 July 2021, however not all investigation work has been completed in this area. It is planned to release a targeted update to the Waikuku Beach community, either via a local newsletter flyer or dedicated flyer.

Target consultation is also planned for the Kaiapoi Community via the Shovel Ready programme of works which will address most of the issues experienced in the Dudley Drain, Feldwick Drain and McIntosh Drain catchments.

### **6. OTHER IMPLICATIONS AND RISK MANAGEMENT**

#### **6.1. Financial Implications**

The costs associated with this investigation work will be charged to existing Drainage asset management and operations budgets. Any physical inspection work such as pipe maintenance and CCTV inspection work will be charged to the maintenance budget for the relevant Drainage scheme.

If further budgets are required for any capital works identified as part of the drainage assessment work, that these will be sought as part of the 2022/23 Annual Plan process.

#### **6.2. Sustainability and Climate Change Impacts**

The recommendations in this report do not have sustainability and/or climate change impacts.

#### **6.3 Risk Management**

There are no additional risks arising from the adoption/implementation of the recommendations in this report. The improvements implemented as a result of the drainage assessment identified will reduce the overall risk profile to Council and the community.

### **Health and Safety**

The health and safety risks associated with undertaking this investigation work will be managed by standard Council processes.

## **7. CONTEXT**

### **7.1. Consistency with Policy**

This matter is not a matter of significance in terms of the Council's Significance and Engagement Policy.

### **7.2. Authorising Legislation**

The Local Government Act 2002 sets out the power and responsibility of local authorities, including the Council's role in providing drainage services.

### **7.3. Consistency with Community Outcomes**

The Council's community outcomes listed below are relevant to the actions arising from recommendations in this report.

- *There is a safe environment for all*
- *Core utility services are provided in a timely and sustainable manner*

### **7.4. Authorising Delegations**

The Utilities and Roading Committee is responsible for activities related to Stormwater drainage.

**Appendix II – Progress and status of the 59 Focus Areas**

Scheme	Location	Status		Maintenance	CCTV & Jet	Survey
		Allocated	Progress			
Rangiora	Newnham Street	Flood Team	Not yet started		Planned	
	Ivory Street	Roading	Not yet started	Planned	Planned	
	Strachan Place	3 Waters	Underway		Complete	
Kaiapoi	310 Beach Road	3 Waters	Underway	Complete	Planned	TBD
	34 Mansfield Drive	Flood Team	Not yet started		Planned	
	364B Williams Street	Roading	Not yet started	Planned		
	44 Bracebridge Street	Flood Team	Not yet started		Planned	
	46 A Fuller Street	Flood Team	Underway	Complete	Planned	Planned
	52 Feldwick Drive	Roading	Underway			
	59 Main North Road	3 Waters	Underway	Complete		
	68 Sovereign Boulevard	3 Waters	Underway	Planned		
	69 Old North Road	3 Waters	Not yet started			
	Dale Street	Roading	Not yet started		Planned	
	1 Wesley Street	Flood Team	Not yet started		Planned	
	Porter Place	3 Waters	Underway	Planned		
	14 Kalmia Place	Flood Team	Not yet started		Planned	
	15 Cridland Street West	Flood Team	Not yet started			TBD
	169 Williams Street	Flood Team	Not yet started		Planned	
	26 Hamel Lane	TBD	Not yet started			
30 Williams Street	Roading	Not yet started				
Woodend	39 Woodglen Drive	Flood Team	Not yet started		Planned	
	5 B Norton Place	PDU	Underway		Complete	Complete

	189 Rangiora Woodend Road	Roading	Not yet started			
Waikuku Beach	31 Broadway Avenue	Flood Team	Underway	Complete	Complete	Complete
	12 Reserve Road	Flood Team	Underway	Complete	Complete	Complete
	14 Kiwi Avenue	Flood Team	Underway	Complete	Complete	Complete
	4 Swindells Road	PDU	Underway	Planned	Planned	Complete
Pines Kairaki	Beach Road	PDU	Underway			
	Batten Grove	Flood Team	Not yet started	Planned		TBD
	56 Featherstone Avenue	3 Waters	Not yet started			
Pegasus	31 Pegasus Main Street	Flood Team	Not yet started		Planned	
	12 - 16 Kowhai Street	Flood Team	Not yet started	Planned	Planned	
	Bay Road	3 Waters	Underway	Complete		
	13 Queen Street	3 Waters	Complete	Complete		
	23 Burnett Street	3 Waters	Not yet started	Planned		TBD
	189 High Street	PDU	Underway			
Ohoka Rural	494 Mill Road	3 Waters	Underway		Complete	
	175 Mill Road	3 Waters	Not yet started			
	181 McHughs Road	PDU	Underway			
	Wilson Drive	TBD	Not yet started			
Oxford Rural	31 Victoria Street	3 Waters	Underway			
Coastal Rural	SH1	Roading	Not yet started			TBD
	4 MacDonalds Lane	Flood Team	Not yet started			
	11 Stalkers Road	TBD	Not yet started			
	820 Main North Road	3 Waters	Not yet started			
Rural Central	Skewbridge	Roading	Not yet started	Planned		
Cust Rural	1649 & 1689 Cust Road	Flood Team	Underway	TBD	TBD	TBD
	1838, 1840 & 1842 Cust Road	Flood Team	Underway	TBD	TBD	TBD
District Drainage	105 Taaffes Glen Road	PDU	Underway			
	217 Toppings Road	3 Waters	Underway			
	51 Smarts Road	PDU	Underway			

	556 Steffens Road	Roading	Not yet started			
	730 Depot Road	Roading	Not yet started			
	951 Upper Sefton	Roading	Not yet started			
	Dixons Road	Roading	Not yet started	Planned		
	Hodgens Road	Roading	Not yet started	Planned		
	Mt Thomas Road	3 Waters	Underway			TBD
Other	Ranui Mews	3 Waters	Underway		Complete	
	Kairaki PS	3 Waters	Underway		Complete	