

Christchurch City Council MINUTES ATTACHMENTS

Date: Thursday 28 July 2022
Time: 12pm
Venue: Council Chambers, Civic Offices,
53 Hereford Street, Christchurch

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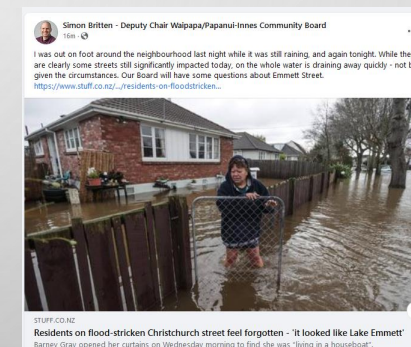
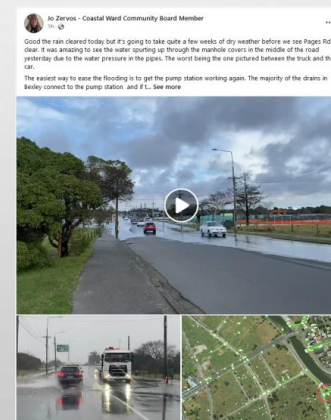
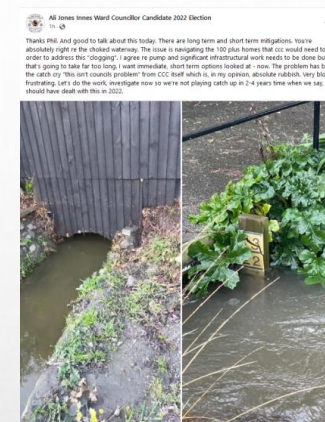
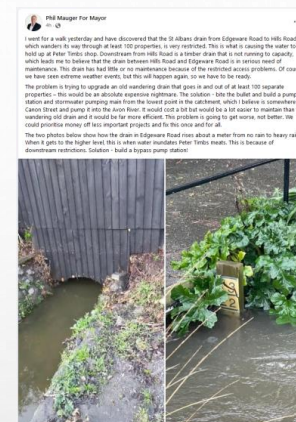
STORM WATER CRISIS?!

DON GOULD 28 JULY 2022

YET ANOTHER 3 WATERS PRESENTATION OF CONCERNS...

SOCIAL AND MEDIA HAVE MADE IT CLEAR THAT THE STORM WATER SYSTEM IS NOW IN CRISIS ACROSS THE CITY

- TIME IS CLEARLY UP
- THE CLIMATE EMERGENCY THAT CCC DECLARED IS CLEARLY NOW ON US
- EVENT AFTER EVENT AND THE COMMUNITY ARE CALLING FOR ACTION
- URGENT SOLUTIONS ARE REQUIRED
- TOUGH CALLS HAVE TO BE MADE
- IT'S TIME TO ROLL DIGGERS



MY CONCERNS

- I'VE PAID MY RATES TO HAVE A WHOLE BUNCH OF 'ENVIRONMENT, SHOP LOCAL, WORK LOCAL, TRANSPORT MODE CHANGE' PAPERS TO BE WRITTEN, ARGUED AND APPROVED
- CYCLEWAYS HAVE BEEN BUILT
- FOOT PATHS EXIST
- THE CHANGED WEATHER NOW MEANS THOSE ARE BEING RENDERED UNUSABLE
- I HAVE SO MANY CRISIS RIGHT NOW:
 - SEWERAGE
 - COST OF LIVING
 - INFLATION
 - HEALTHCARE
 - NOW STORMWATER!
- SHOPPING LOCAL SAVES ME MONEY
- LESS TRAVEL AND AVOIDING PACKAGING AND MASSIVE HEATED SUPER MARKETS IS EXACTLY THE CCC POLICY GOALS
- POLICY AND LGA BREACHES – JUST TOO MANY TO LIST!!!

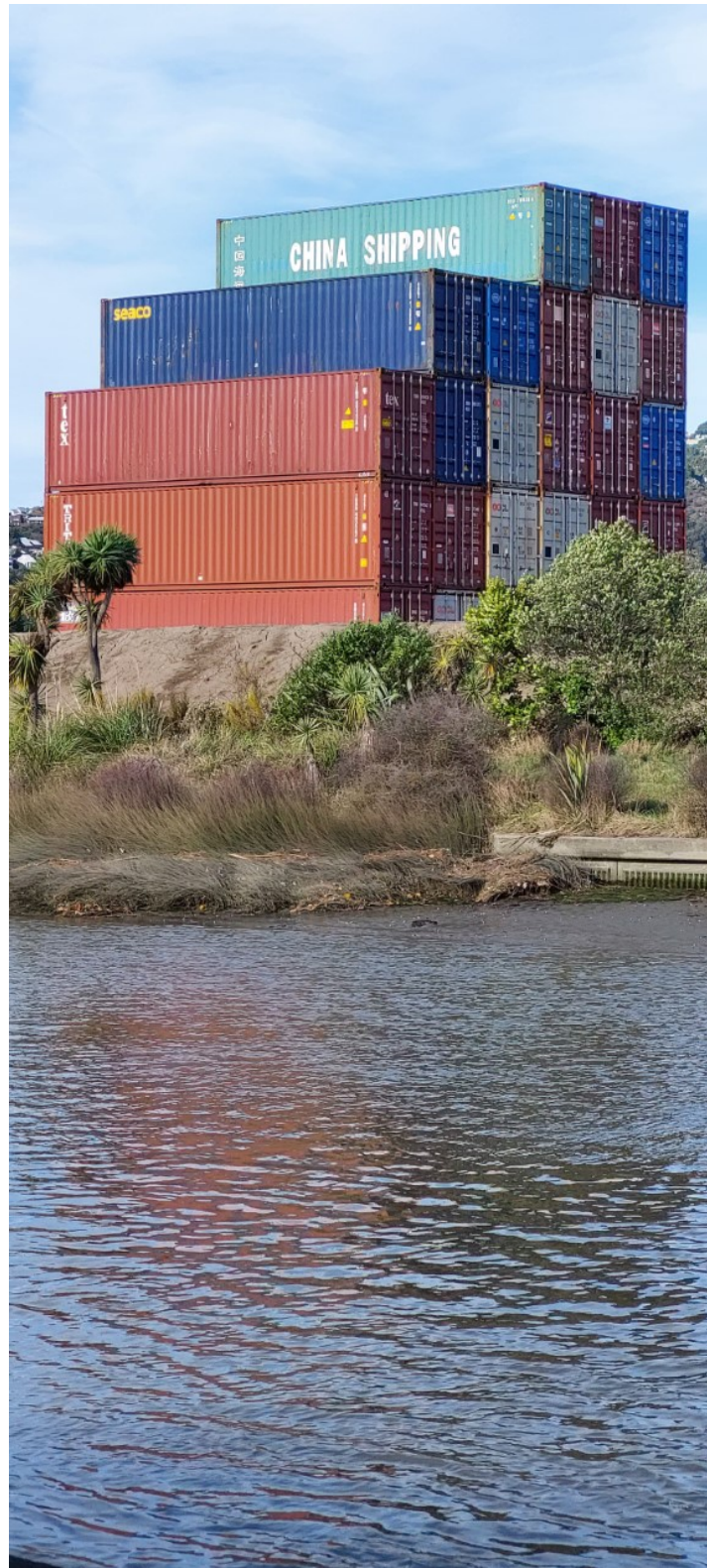


EDGEWARE VILLAGE PAPER AND ISSUES

- THE PAPER IS CLEARLY READY TO GO – GET ON WITH IT!
- ACCESSIBILITY IS GOING TO BE AN ISSUE FOR SOME STORES – CCC NEEDS TO PAY FOR IMMEDIATE MODIFICATIONS TO STORES SO THAT THE COST IS BORN BY THE COMMUNITY AND WE DON'T HOLD UP THE PROCESS WITH ARGUING IN COURT WITH BUILDING OWNERS ABOUT WHO SHOULD PAY.... WE ALL HAVE TO PAY.
- THERE ARE NO PERFECT SOLUTIONS – EVERYTHING IS A COMPROMISE
- **THE FLOCKTON / DUDLEY PROJECT TOOK YEARS – TIME IS UP**
- WE HAVE TO MAKE IMMEDIATE PROGRESS
- THIS IS ABOUT THE WELFARE OF PEOPLE SHOPPING IN THE LOCAL AREA
- THIS IS ABOUT THE WELFARE OF THE PEOPLE WORKING AT THESE COMMERCIAL OUTLETS
- THIS IS ABOUT CCC MEETING IT'S STATED POLICY OBLIGATIONS – MEETING THE LGA OBLIGATIONS
- **THIS IS NOT JUST ABOUT BUDGETS**
- THIS IS **NOT** ABOUT WHAT BUDGET SOMETHING WAS ALLOCATED IN THE AP OR LTP.... BUDGETS AREN'T THE ONLY KPI THAT CCC HAS TO MEASURE UP TO
- WELLINGTON IS WATCHING AND LAUGHING – THIS IS WHY THEY WANT TO TAKE 3 WATERS AND WE'RE JUST HANDING THEM THE KEYS BY NOT GETTING ON AND PROVING WE CAN REACT TO THIS STUFF

MY REQUEST

- PUT THE EDGEWARE PAPER ON THE TABLE TODAY
 - CALL THE STAFF TO THE TABLE – GET THE BEST GUESSES AND MAKE A TOUGH CALL
 - BE BRAVE!!!
- PROVE TO WELLINGTON THAT THIS IS THE BEST COUNCIL IN THE COUNTRY AND WE CAN ACTUALLY MANAGE OUR RESOURCES – MORE IMPORTANTLY – PROVE IT TO ME... **YOUR COMMUNITY!**
 - PUSH JUNK OFF THE TABLE TO CLEAR ROOM IF REQUIRED
 - PUSH MORE BACK TO COMMUNITY BOARDS (PERHAPS NOW A JOB FOR NEXT TERM, OR NOW!)



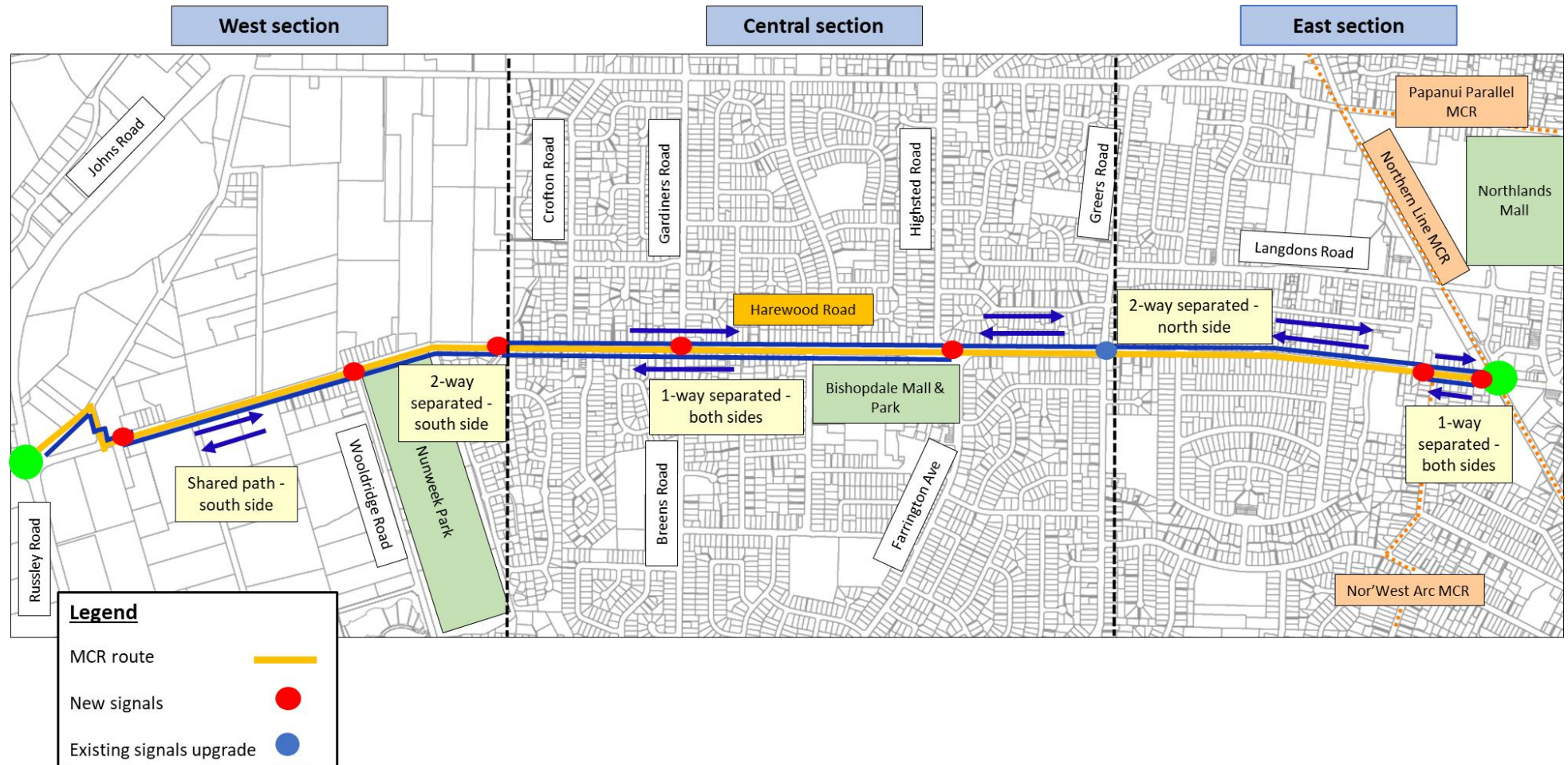
Wheels to Wings Major Cycle Route

28 July 2022

Project timeline

- **2017** Wheels to Wings route selection investigation and Community Board briefings
- **2018** Harewood Road endorsed by Infrastructure, Transport and Environment Committee as the preferred route
- **2019** Harewood/Gardiners/Breens intersection improvements approved by Council following community consultation, approved March 2020 to be included in Wheels to Wings, funding brought forward
- **2020**
 - Scheme design
 - Joint Community Board briefings in November and UDAT briefing in December
- **2021**
 - Two rounds of community consultation (January - March and October - November) and public open days
 - Notice of Motion 11 February, directing staff to extend consultation, provide all options and meet with key stakeholders
 - Separate Community Board briefings, joint Community Board workshop and Hearings Panel briefing
 - Nor'West Arc MCR route approved along Matsons Avenue
- **2022**
 - Public hearings February, March and April
 - Independent Abley review
 - Ongoing discussions with stakeholders

Preferred option summary



Consultation and feedback

- Two rounds of community consultation:
 - January - March 2021, including 4 drop-in sessions
1348 submissions
 - October - November 2021, including public information days
86 submissions
- Ongoing engagement with key stakeholders and interested parties that resulted in over 70 changes to the consulted design

Where did the submissions come from?

First consultation

	Bishopdale	Harewood	Northcote	Papanui	Other	Total	%
Clearly support	55	31	6	14	305	411	30%
Clearly oppose	147	187	5	22	204	565	42%
No clear indication for or against	110	115	2	26	119	372	28%
Total	312	333	13	62	628	1348	100%

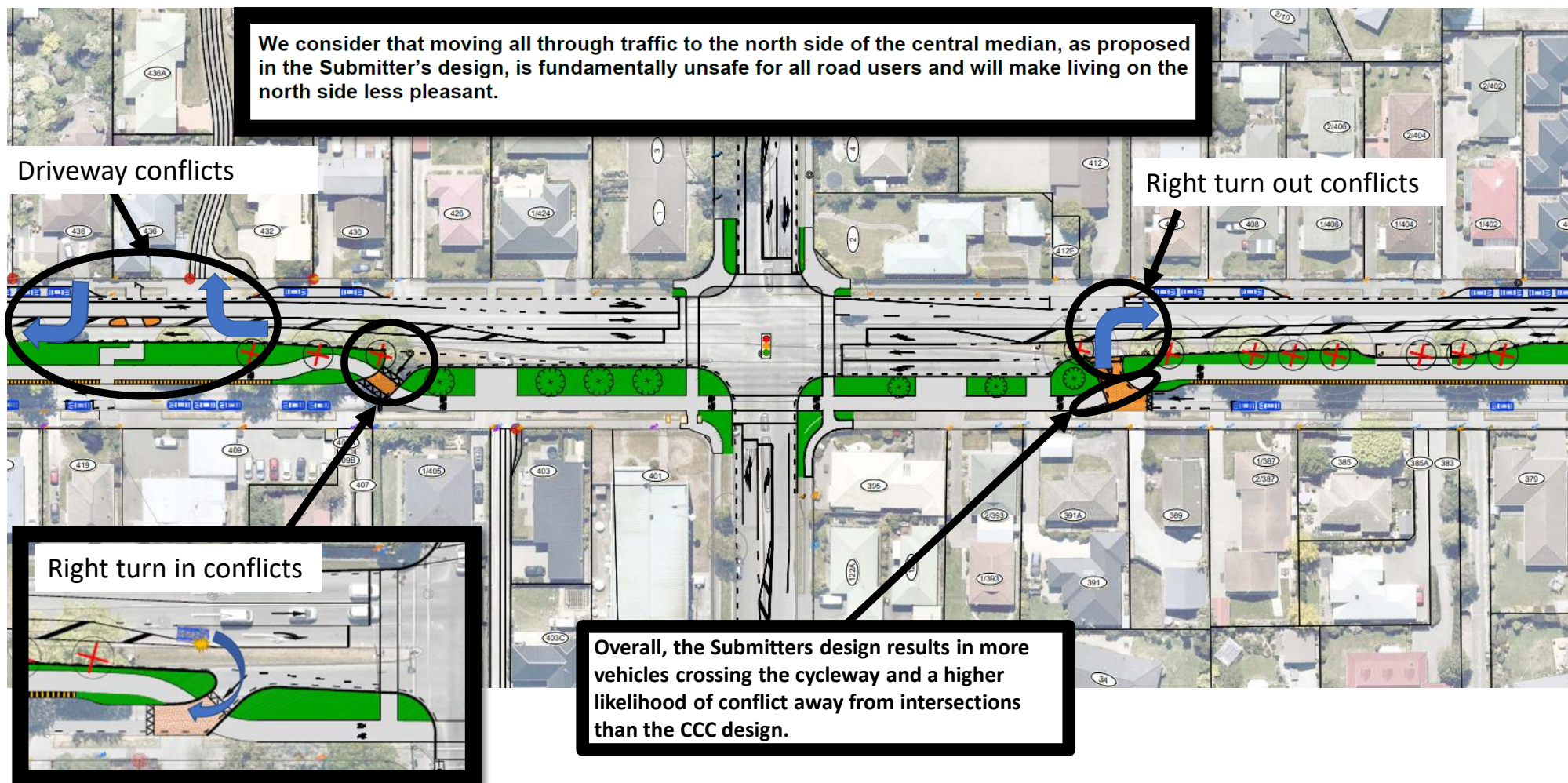
Second consultation

	Harewood	Bishopdale	Papanui	Other	Total	%
Clearly support	3	8	1	16	28	32%
Clearly oppose	6	10	5	13	34	40%
No clear indication for or against	6	5	5	8	24	28%
Total	15	23	11	37	86	100%

Consultation feedback - areas of interest

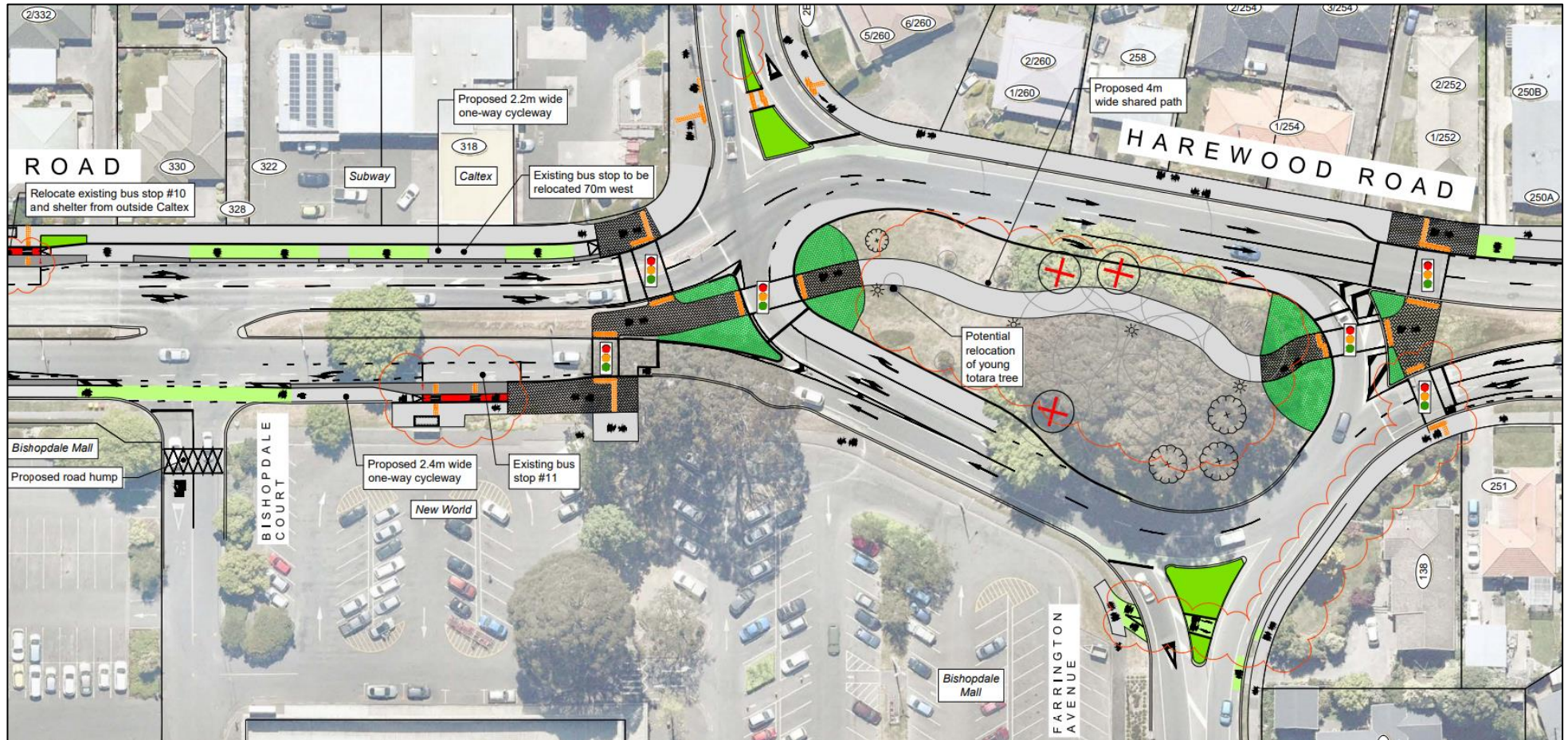


Community concept design – Abley review comments



Questions?

Bishopdale roundabout



Mitre 10

Existing entrance



Proposed treatment options



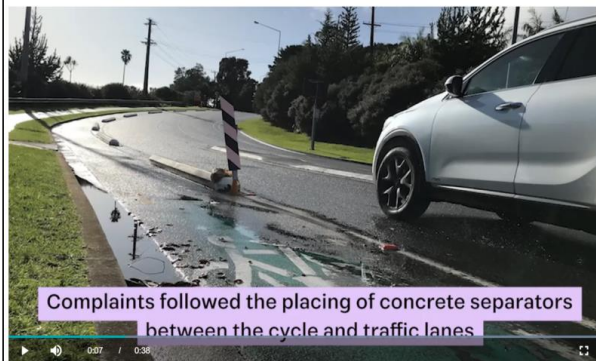
Major Cycle Route usage

Counts on the MCR network have increased slightly since the first Covid lockdown, despite several lockdowns and the increase in numbers of people working from home

Comparison with Auckland cycleway separators

Auckland community furious as drivers hit new cycle lane protectors.

Todd Niall · 22:04, Jul 21 2022

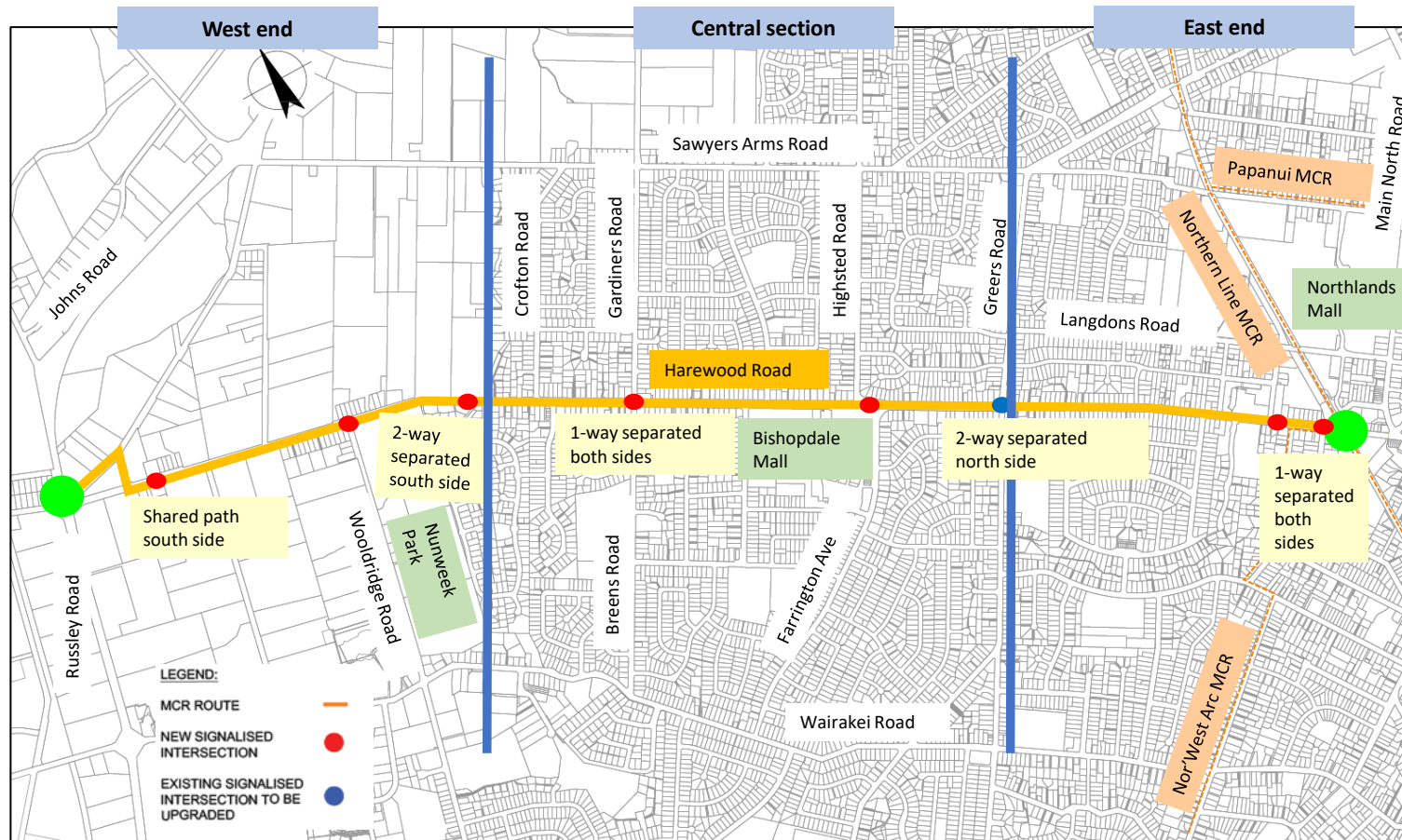


Upper Harbour Drive, Auckland

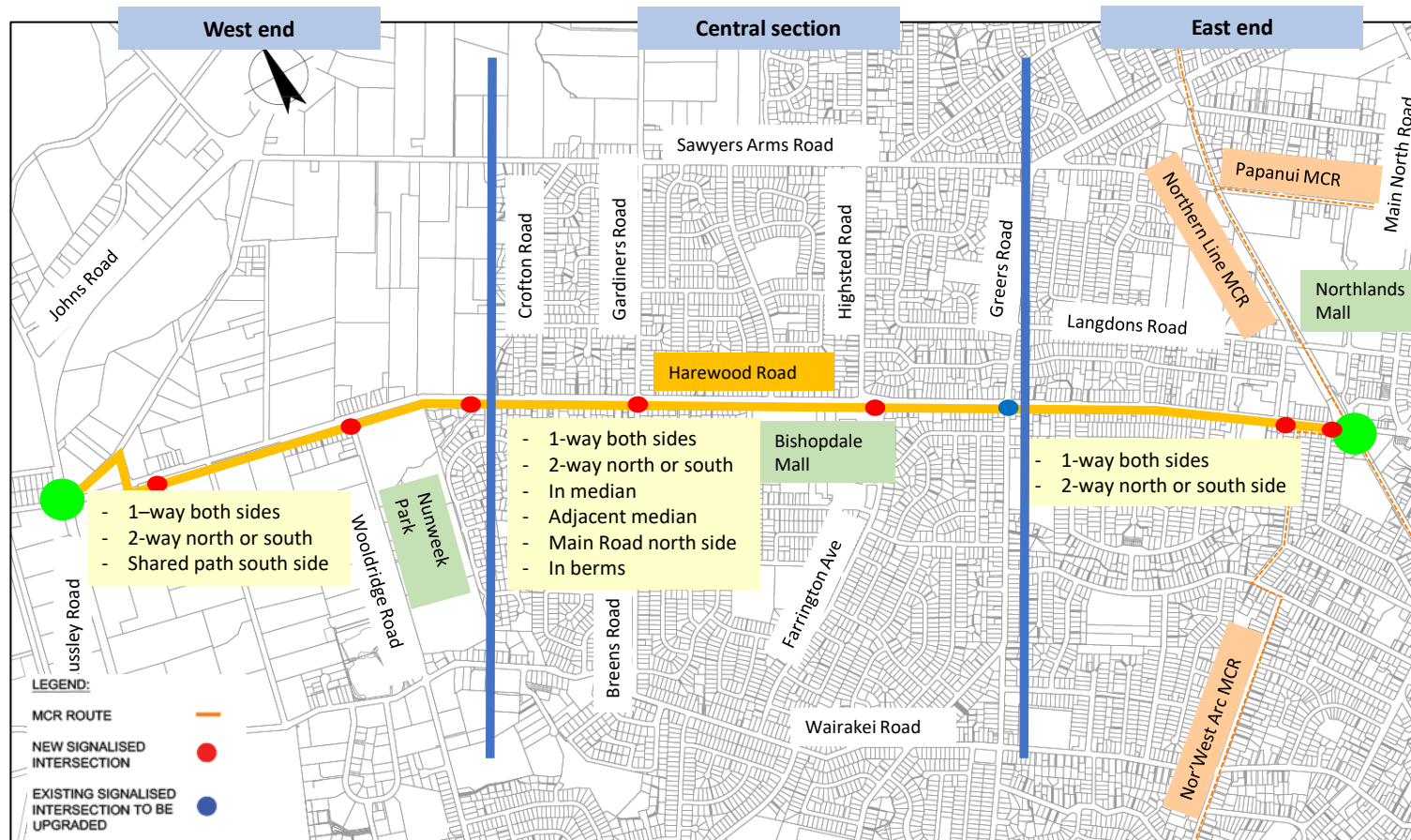
Christchurch separator detail



Consulted design



Concepts identified



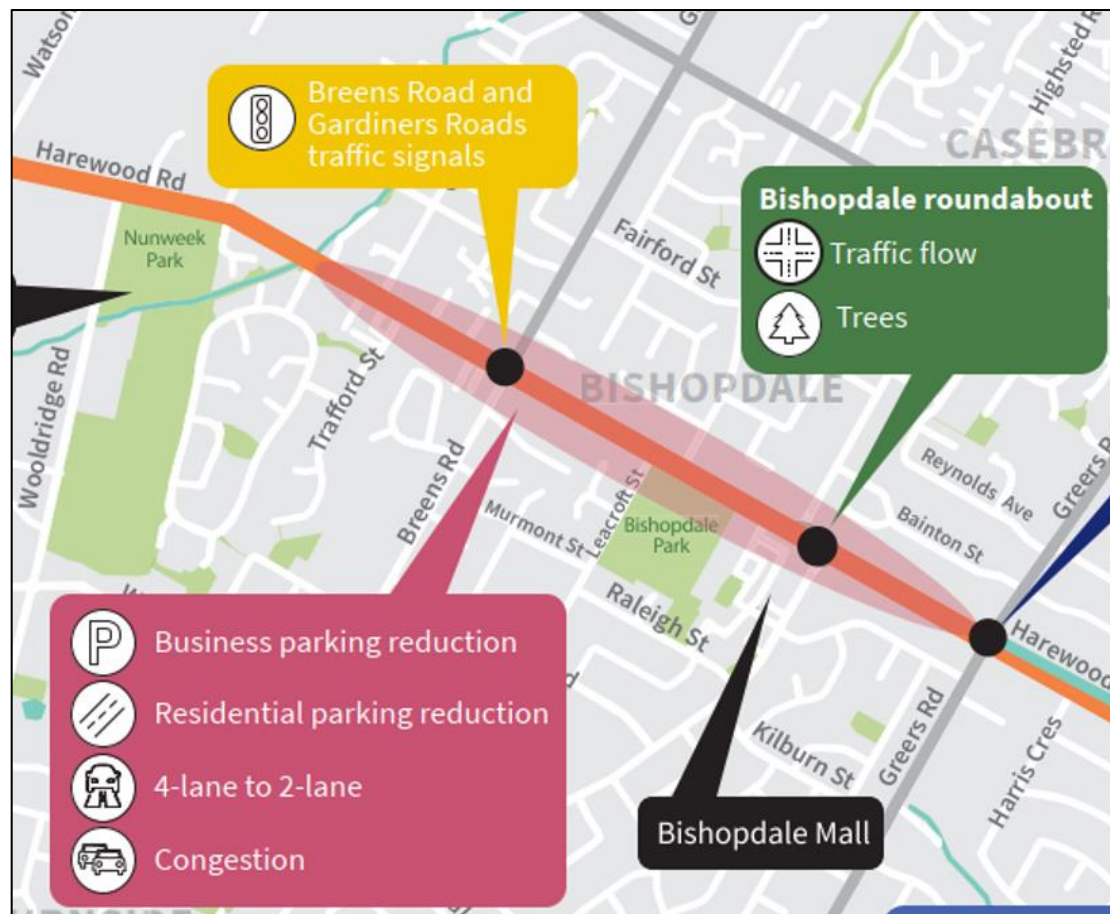
West end – submission responses



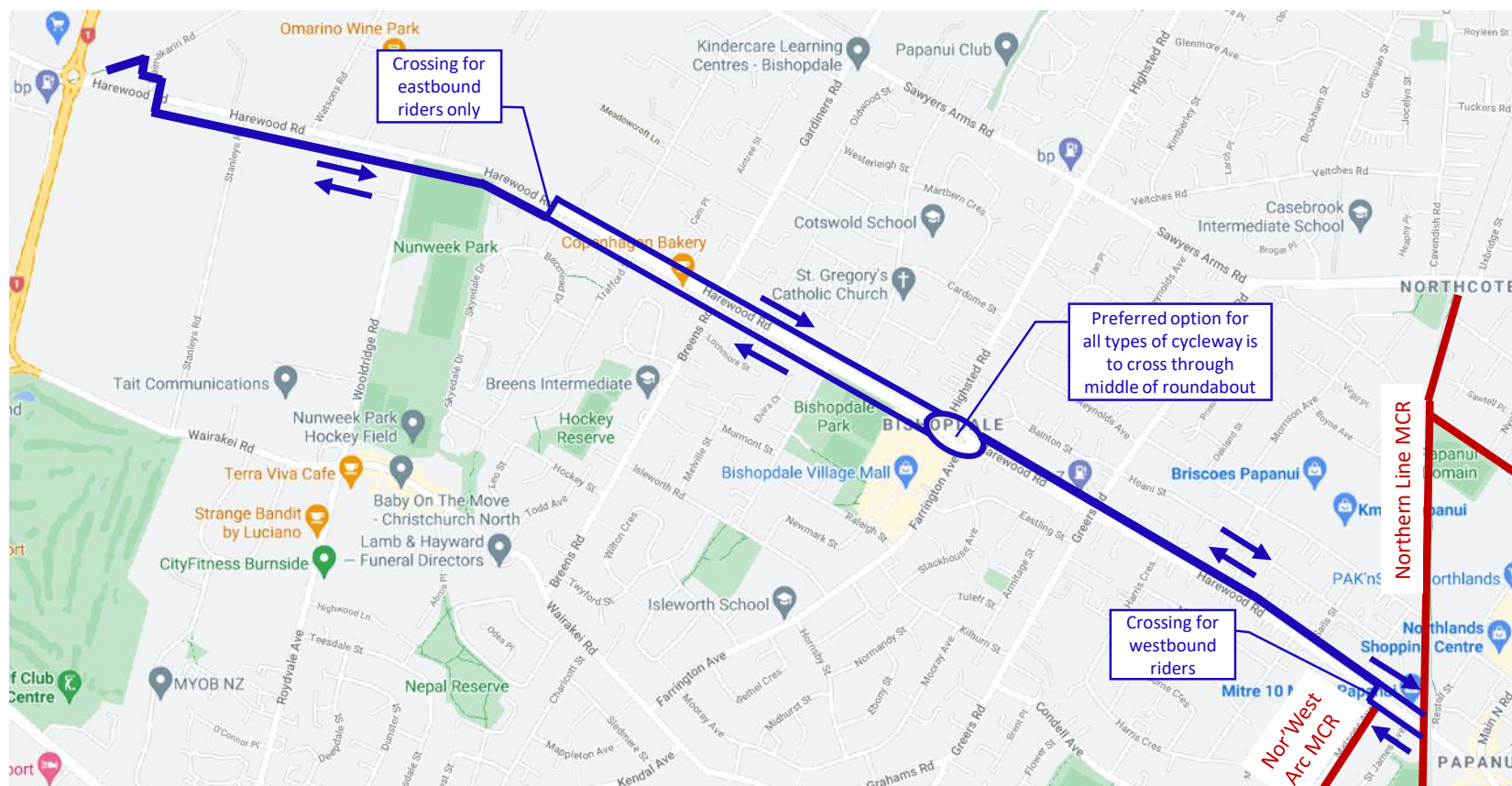
East end submission responses



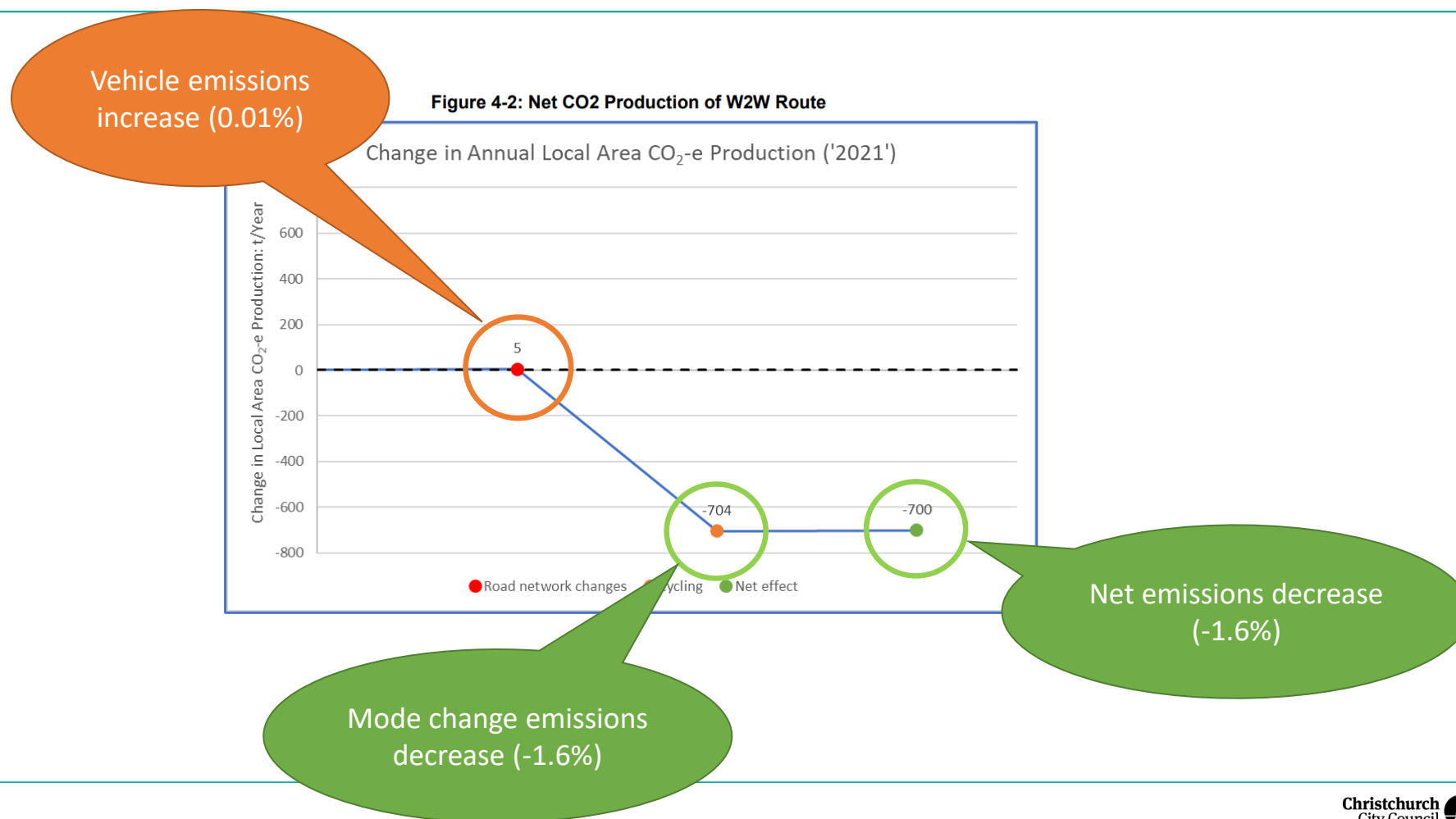
Central section submission responses



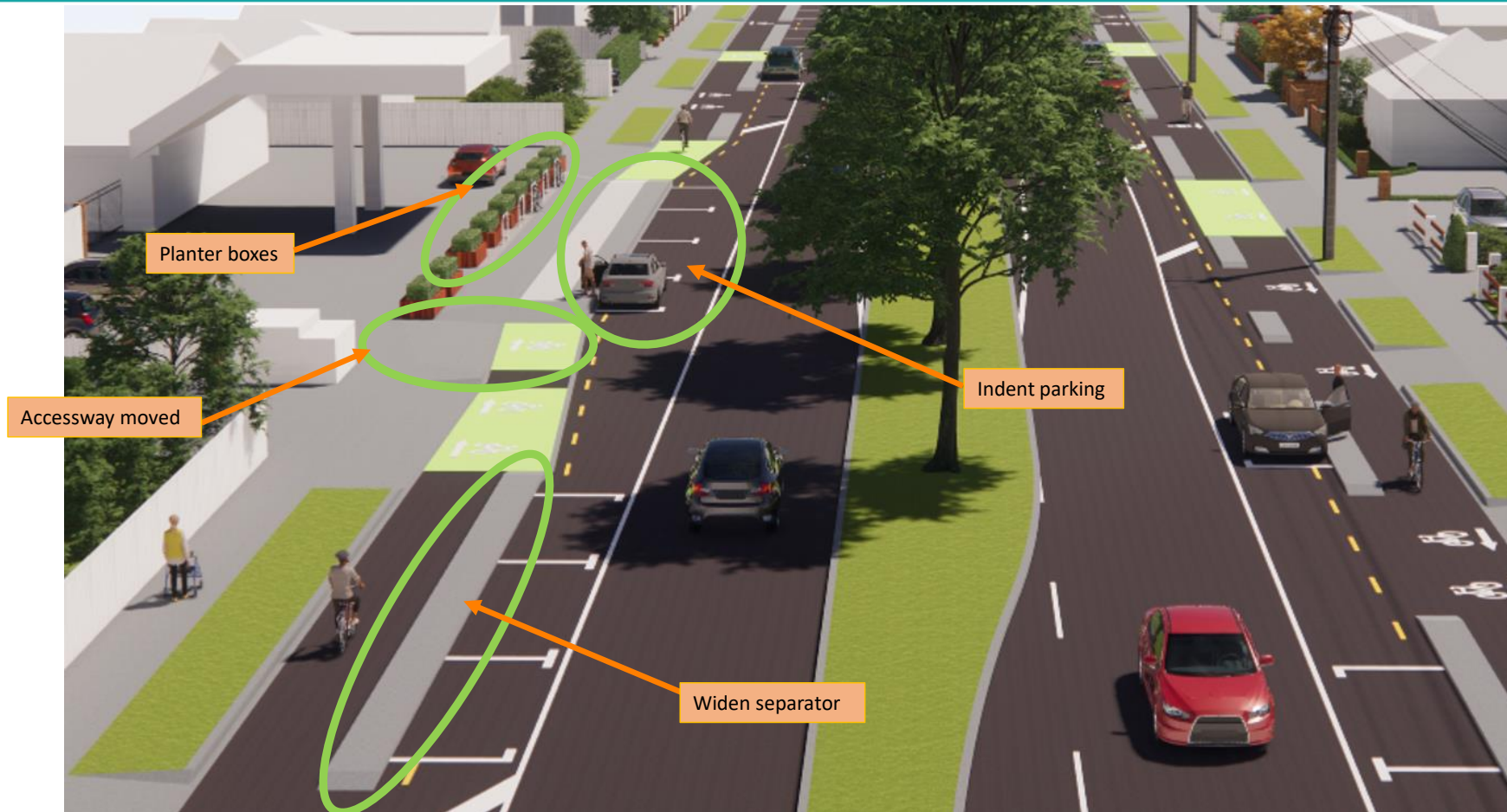
Cycleway side of road continuity along the route



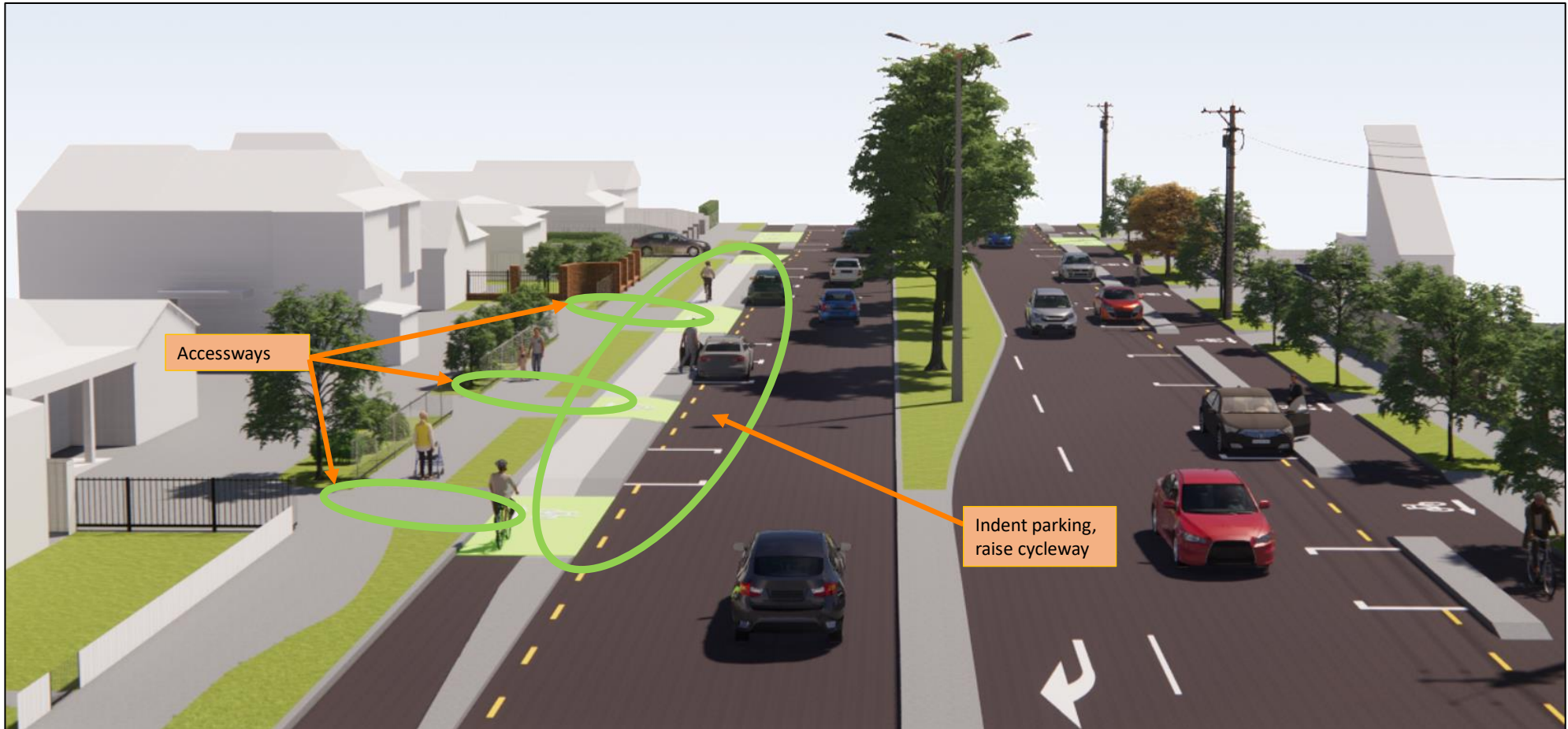
Feedback themes - emissions



Copenhagen Bakery solution



Charity Hospital design

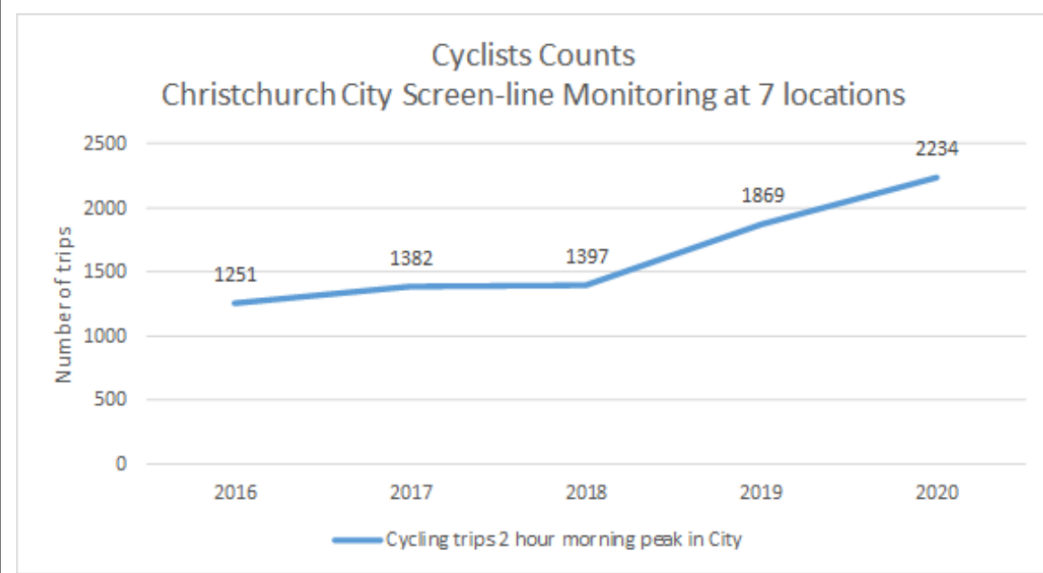


Feedback themes – cycle trips

- Existing cycle volumes – “no one rides”: Table presenting volumes and raw data provided on website
- Projected future volumes – “will never be achieved”: Christchurch Strategic Cycle Model updated in 2013 estimated 1,000 trips per day east of Wooldridge Road, 800 trips per day west of Wooldridge Road (2021).

Harewood Road				
On-road cycle volumes				
12 hour intersection count data & 24 hour extrapolated				
Location	year	month	12hr cycle volume (two-way count ¹)	24hr cycle volume (two-way estimate ¹)
Whitchurch Place @ Johns Road underpass	2021	March	102	
Harewood Road @ Wooldridge Road intersection	2017	June		
West of Wooldridge Road				56 ²
East of Wooldridge Road				56 ²
Harewood Road @ Breens Road intersection	2021	Feb		
West of Breens Road			109	
East of Breens Road			95	
Harewood Road @ Highsted Road intersection	2021	Feb		
West of Highsted Road			137	
East of Highsted Road			165	
Harewood Road @ Farrington Ave intersection	2021	Feb		
West of Farrington Ave			196	
East of Farrington Ave			171	
Harewood Road @ Greers Road intersection	2020	March		
West of Greers Road				100 ³
East of Greers Road				130 ³
Harewood Road @ Chapel Street intersection	2021	Feb		
West of Chapel Street			177	
East of Chapel Street			212	
1) Survey does not include scooter users or cyclists on footpath				
2) 6 hour count extrapolated to estimated 24hr count using the LTSA Cycle Network & Route Planning Guide, 2004, Appendix 2 - Scaling Cycle Counts. https://www.nzta.govt.nz/assets/resources/cycle-network-and-route-planning/docs/cycle-network-and-route-planning.pdf				
3) 5 hour count extrapolated to estimated 24hr count using the LTSA Cycle Network & Route Planning Guide, 2004, Appendix 2 - Scaling Cycle Counts. https://www.nzta.govt.nz/assets/resources/cycle-network-and-route-planning/docs/cycle-network-and-route-planning.pdf				

FIGURE 2: CYCLE COUNTERS MONITORING - CENTRAL CHRISTCHURCH

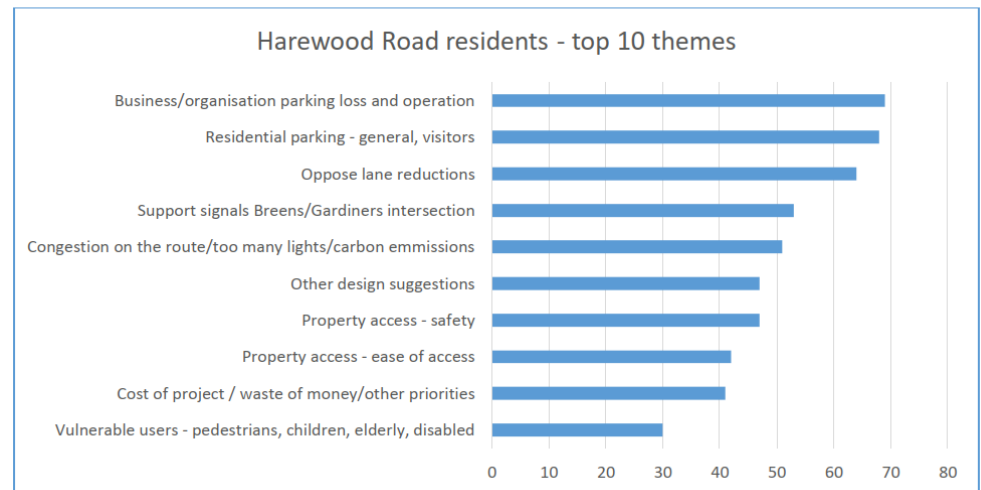


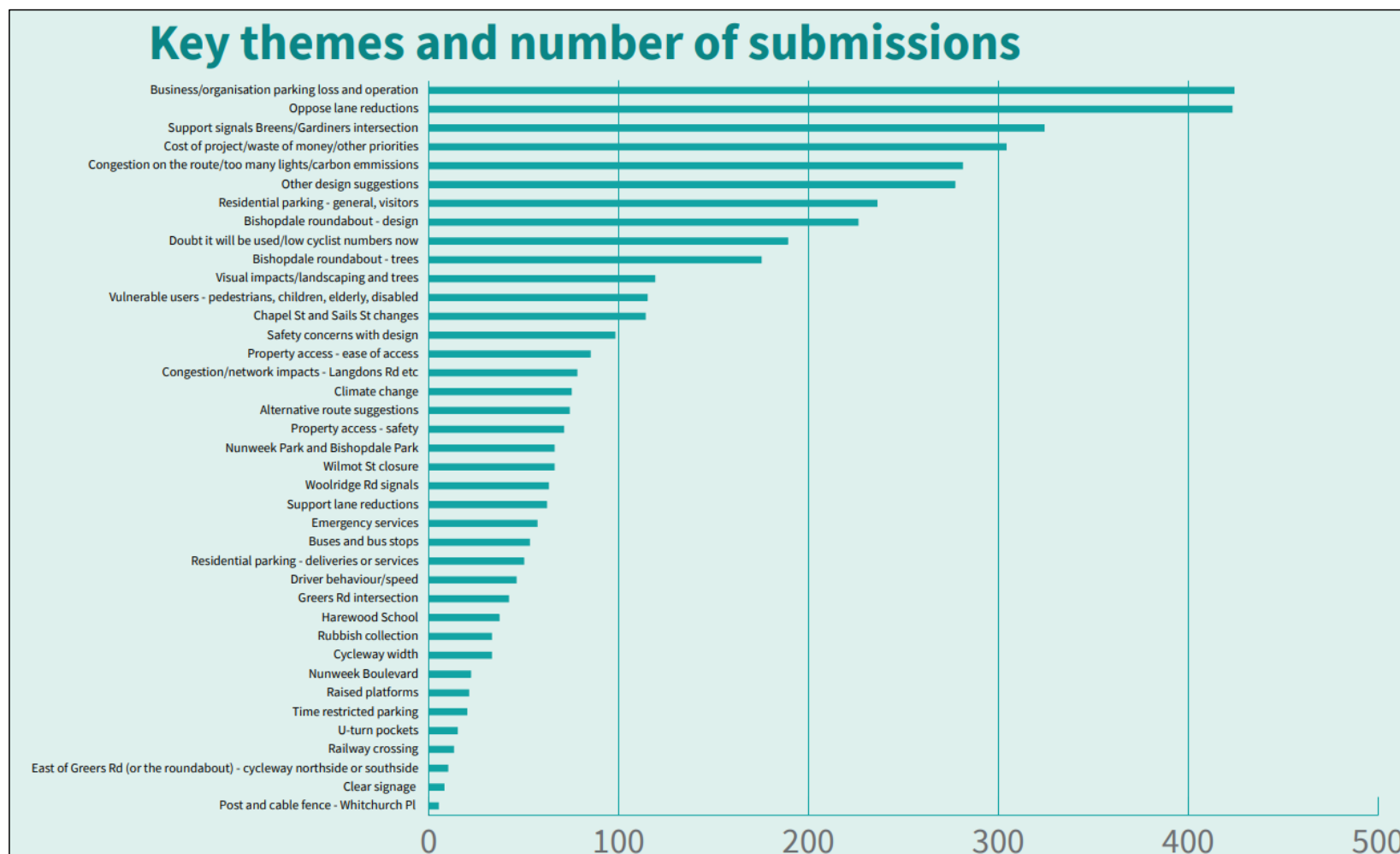
<https://ccc.govt.nz/transport/transport-projects/wheels-to-wings-papanui-ki-waiwhetu-major-cycleway/>
<https://smartview.ccc.govt.nz/map/layers/ecocounter>

Consultation overview continued



Residents on Harewood Road





Previous decisions on Harewood/Gardiners/Breens intersection upgrade

Council
12 September 2019

Christchurch
City Council 

Report from Infrastructure, Transport and Environment Committee - 26 August 2019

33. Harewood Road/Gardiners Road/Breens Road Intersection Improvements

Council Resolved CNCL/2019/00226

That the Council:

1. Approve in principle Option 3 of the agenda report, Traffic Signals (Consultation Option 2).
2. Request that staff investigate funding options and report back to Council in time for inclusion in the 20/21 Annual Plan.

Councillor Keown/Councillor Manji

Carried

Councillors Clearwater and Cotter requested their votes against the resolution be recorded.

Council Annual Plan 23 July 2020

Council Resolved CAPL/2020/00094

Wings to Wheels Major Cycleway Route and Breens/Gardiners/Harewood Intersection

2.4.7 That the Council:

- a. Bring forward \$500,000 (capex) from FY26 to FY21 for design and consultation of the Wings to Wheels Major Cycleway Route with the intention of enabling the commencement of construction of the Breens/Gardiners/Harewood intersection in FY22 as part of the Cycleway Route.

Councillor Davidson/Councillor Keown

Carried

Christchurch
City Council 

Recent media and statistics

Cycling growth on new cycleways stalls as pandemic changes commuting

Charlie Gates · 05:00, Jul 09 2022



Cycle counts in Christchurch

A rolling 31 day average for cycle counts across 27 sensors in Christchurch from July 2019 to July 2021.



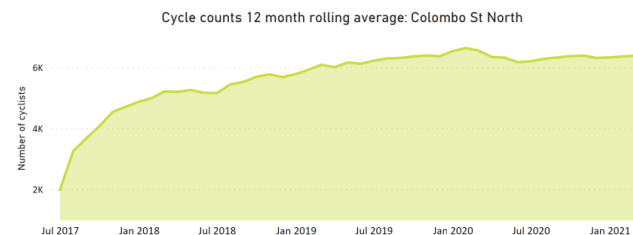
Chart: Charlie Gates · Source: Christchurch City Council · Get the data · Created with Datawrapper

John MacDonald: Some of my best friends use cycleways but are they worth the money?

11 Jul, 2022 02:10 PM

© 5 minutes to read

Chances are the 196 people who do use the Papanui Parallel each day, for example, would be cycling anyway.





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Limited

Final CCHL & Subsidiary FY23 Statements of Intent

CCHL presentation to F&P Committee Meeting – 28 June 2022

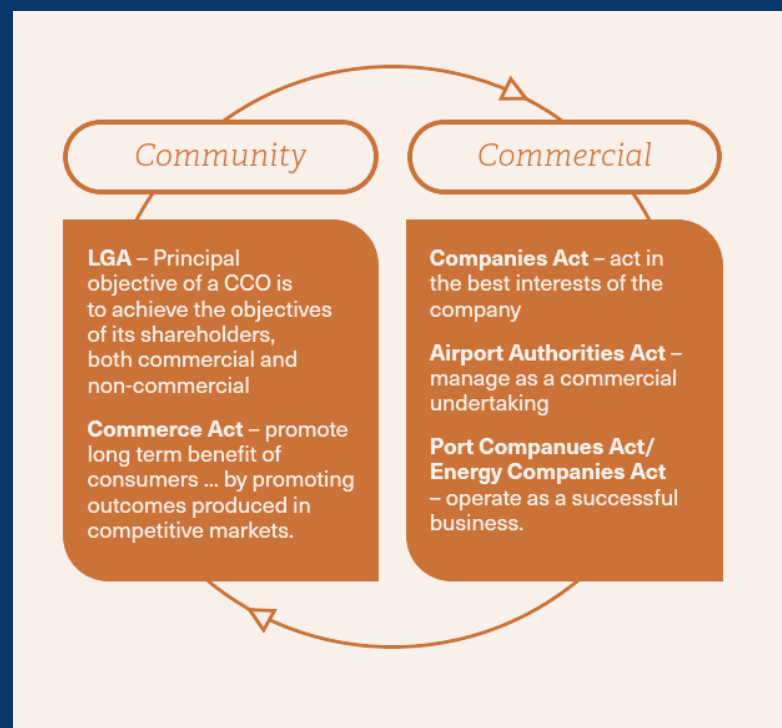


A WHOLLY OWNED SUBSIDIARY OF CHRISTCHURCH CITY COUNCIL



Christchurch
City Holdings
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Introduction





Christchurch
City Holdings
Limited

CCHL Group – key performance metrics

CCHL Group	FY-2021	FY-2022	FY-2023			FY- 2024			FY- 2025	
	Actual	Forecast	Draft Sol	Final Sol	Last year	Draft Sol	Final Sol	Last year	Draft Sol	Final Sol
NPAT	93	59	70	68	83	99	94	98	100	112
Interest cover	2.7	2.3	2.3	2.3	n/a	2.9	2.6	n/a	2.8	2.8
Net debt/net debt plus equity	50%	50%	50%	49%	52%	49%	50%	51%	48%	50%
Return on average equity	4.8%	2.8%	3.3%	3.0%	4.2%	4.5%	4.1%	4.8%	4.5%	4.5%
Shareholders' funds/total assets	43%	43%	43%	44%	41%	43%	43%	41%	44%	43%





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CCHL Parent – key performance metrics

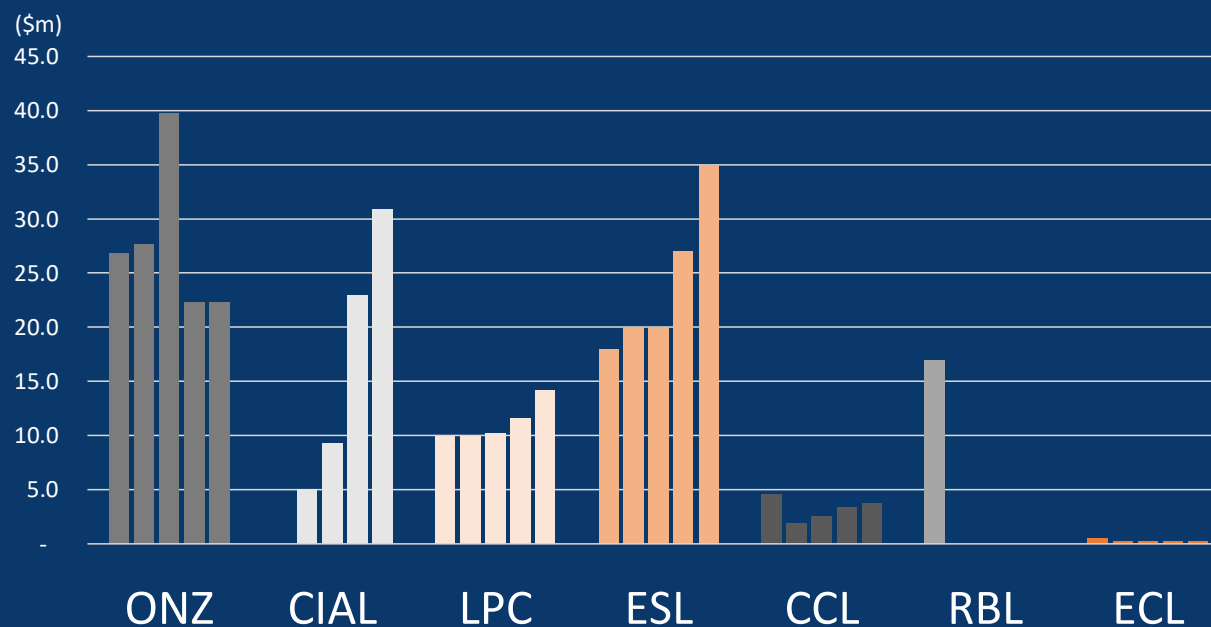
CCHL Parent	FY-2021	FY-2022	FY-2023			FY- 2024			FY- 2025	
	Actual	Forecast	Draft Sol	Final Sol	Last year	Draft Sol	Final Sol	Last year	Draft Sol	Final Sol
NPAT	51	52	38	51	n/a	71	57	n/a	75	76
Interest cover	2.8	2.5	2.1	2.2	n/a	3.1	2.3	n/a	3.2	2.9
Net debt/net debt plus equity	32%	31%	31%	31%	n/a	30%	30%	n/a	29%	30%
Return on average equity	3.3%	2.1%	1.5%	2.0%	n/a	2.8%	2.3%	n/a	2.9%	3.0%
Shareholders' funds/total assets	68%	69%	69%	69%	n/a	69%	69%	n/a	70%	69%
Dividends	34.0	16.1	32.4	32.4	32.4	50.7	50.7	50.7	57.2	57.2
Dividend yield	1.5%	0.6%	1.3%	1.3%	n/a	2.0%	2.0%	n/a	2.3%	2.3%





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Dividends from CCHL subsidiaries (FY21-FY25)



Note:

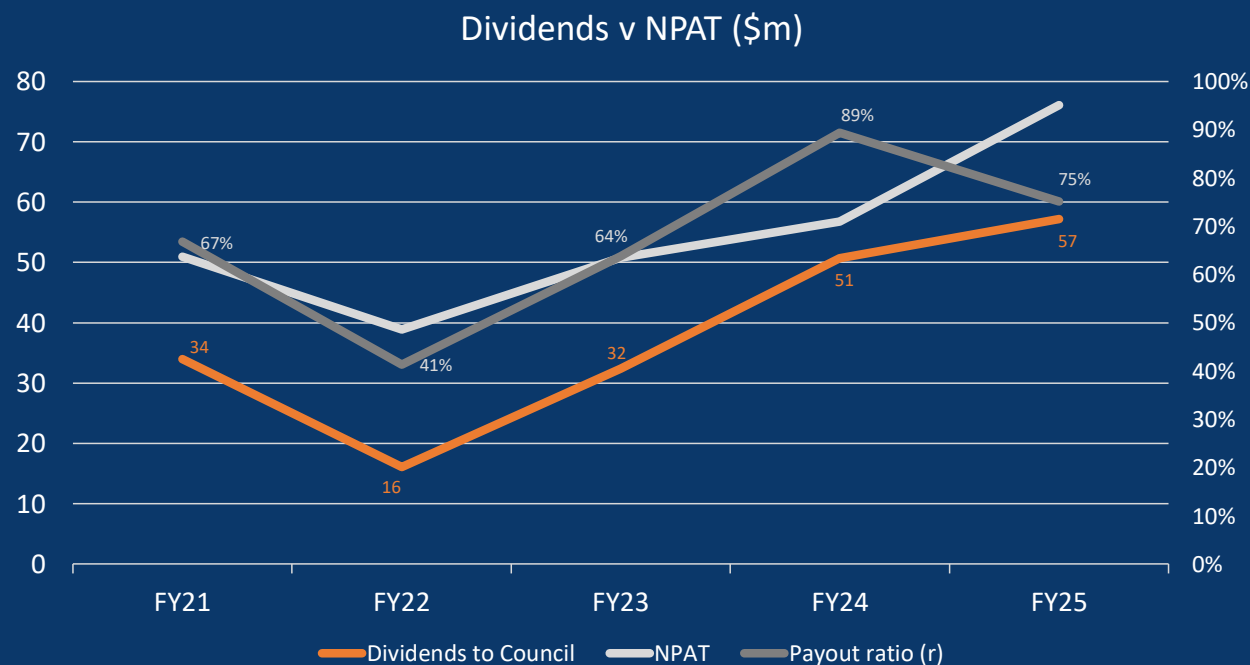
- No CIAL dividend paid in FY21
- RBL special dividend paid in FY21 and no further dividends expected





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Parent Dividends to Council





SEWER CRISIS → STORMWATER CRISIS → SEWER CRISIS

ADDRESSING THE WASTEWATER PROCESSING PLANT PRIORITIES

3 AUGUST 2022 - DON GOULD

IS IT TIME TO REFOCUS THE GOVERNANCE LENS?

- I WAS GOING TO TALK ABOUT MOVING PRIORITIES TO STORM WATER GIVEN HOW WELL THE SEWER CRISIS ISSUES ARE NOW TRACKING...



The graphic is a promotional poster for a Facebook page. It features a brown background with a large, stylized 'WWP' at the top. Below it, the text 'DEDICATED FACEBOOK PAGE' is written in large, white, bold letters. To the left, there is a circular inset showing a detailed diagram of a wastewater treatment plant with various stages labeled: Land Remediation, Biosolids Drying Machine, Screens, Grit Removal, Odour Control, Poly-drying, Sedimentation Tanks, Clarifiers, Aeration Basin, and Power Generation. Below this diagram are three circular inset photos: one showing a large body of water, one showing a large fire or explosion, and one showing a construction site with a crane. To the right of the main text, the word 'FEATURES' is written in large, white, bold letters, followed by a list of features: INFORMATION, VIDEOS, COMMUNITY, and OUR VOICE, each preceded by a white circle. At the bottom right, the Facebook handle '@SEWERCRIISIS.NZ' is displayed in a white box. Below this, in small text, it says '*PHOTOS FROM SEWERCRIISIS.NZ AND GOOGLE'.

WWP DEDICATED FACEBOOK PAGE

FEATURES

- INFORMATION
- VIDEOS
- COMMUNITY
- OUR VOICE

@SEWERCRIISIS.NZ

*PHOTOS FROM SEWERCRIISIS.NZ AND GOOGLE

IS IT TIME TO REFOCUS THE GOVERNANCE LENS?

- I WAS GOING TO TALK ABOUT HOW EDGEWARE VILLAGE AND THE ST ALBANS CREEK NEED YOUR FOCUS...
- GIVEN THAT STAFF APPEAR TO BE BLAMED BY ELECTED MEMBERS IN SOCIAL MEDIA FOR DOING NOTHING...
- BUT FACTS APPEAR TO SHOW THEY'RE WORKING ON REPORTS WITH CONSULTANTS THAT THE COMMUNITY DOESN'T WANT...
- ...BUT DAVID LYNCH SUGGESTED ANOTHER ISSUE THAT IS MORE PRESSING...



IS IT TIME TO REFOCUS THE GOVERNANCE LENS?

- I WAS GOING TO TALK ABOUT HOW THE PEOPLE OF EMMETT STREET NEED YOUR ATTENTION AND STORMWATER IS A PROBLEM BIGGER THAN WE THOUGHT...
- WITH COUNCIL REPORTS NEEDING UPDATING...
- WITH LOCAL COMMUNITY GROUPS NOW PLANNING COMMUNITY MEETINGS THAT WILL NEED SOME GOVERNANCE ATTENDANCE...
- WITH LOCALS UPSET THAT THEIR PETS ARE DROWNING...
- ...BUT.... MY WIFE SUGGESTED ANOTHER PRIORITY FOR OUR FAMILY TO SPEAK OF AT THE TABLE TODAY...
- (...AND NO AARON, NOT 10 SHIRLEY ROAD... THIS TIME...)



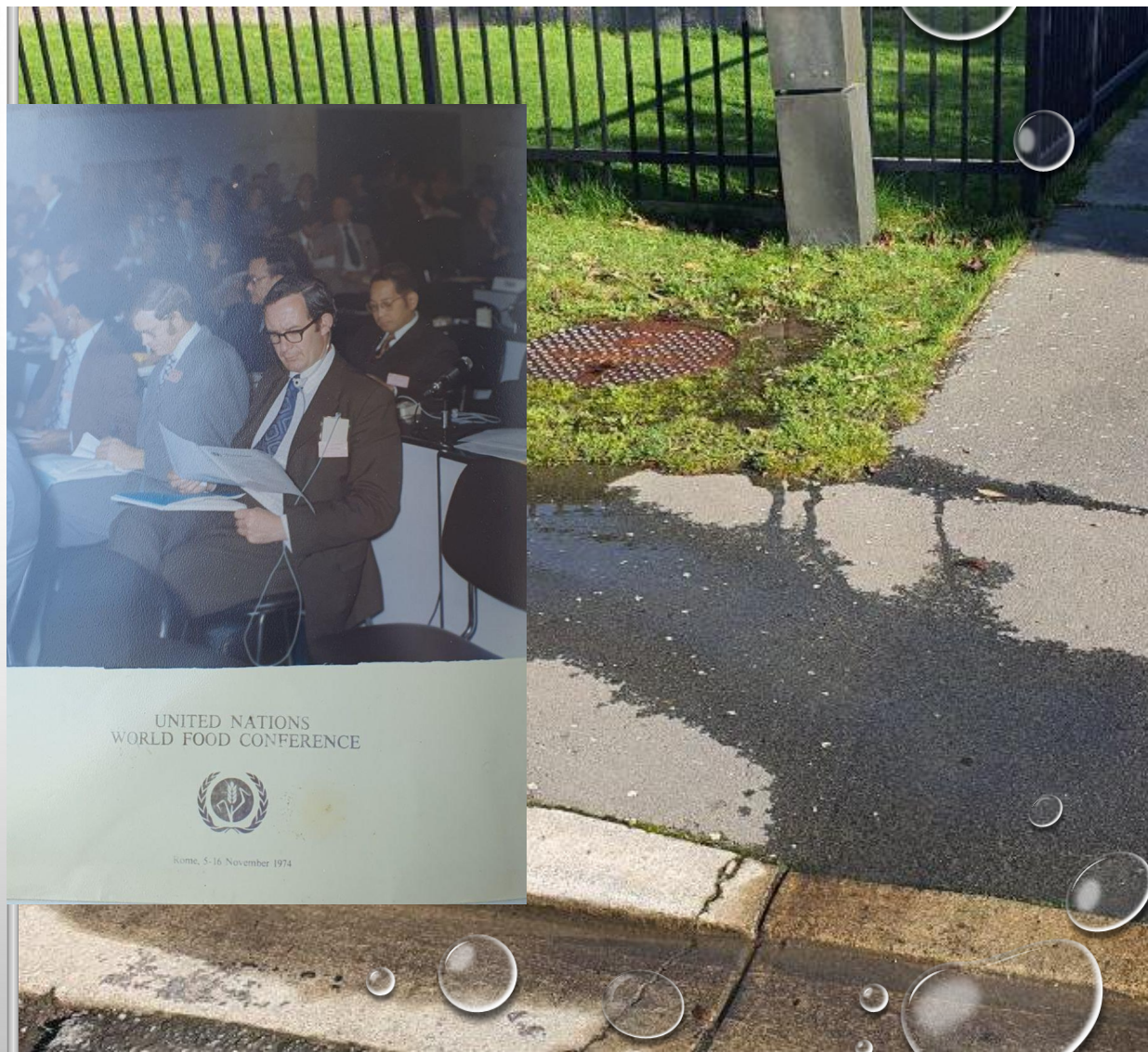
IS IT TIME TO REFOCUS THE GOVERNANCE LENS?

- WE ARE GOING BACK TO TALKING ABOUT MY SEWERAGE SYSTEM CRISIS
- THIS PHOTO IS MONDAY MORNING...
- RAW SEWERAGE IN MY STREET FLOWING INTO THE STREET, OUT TO THE STORM WATER SYSTEM
- OVER 900 HOMES ARE IMPACTED BY A FAILED SEWER SYSTEM THAT WAS INSTALLED TO CUT COSTS AND SIMPLY DOESN'T WORK
- TIME HAS RUN OUT AND I WANT IT GONE
- IT'S TOO COMPLEX AND CAN'T BE MADE TO WORK! MORE THAN 7 YEARS AND COUNTING...



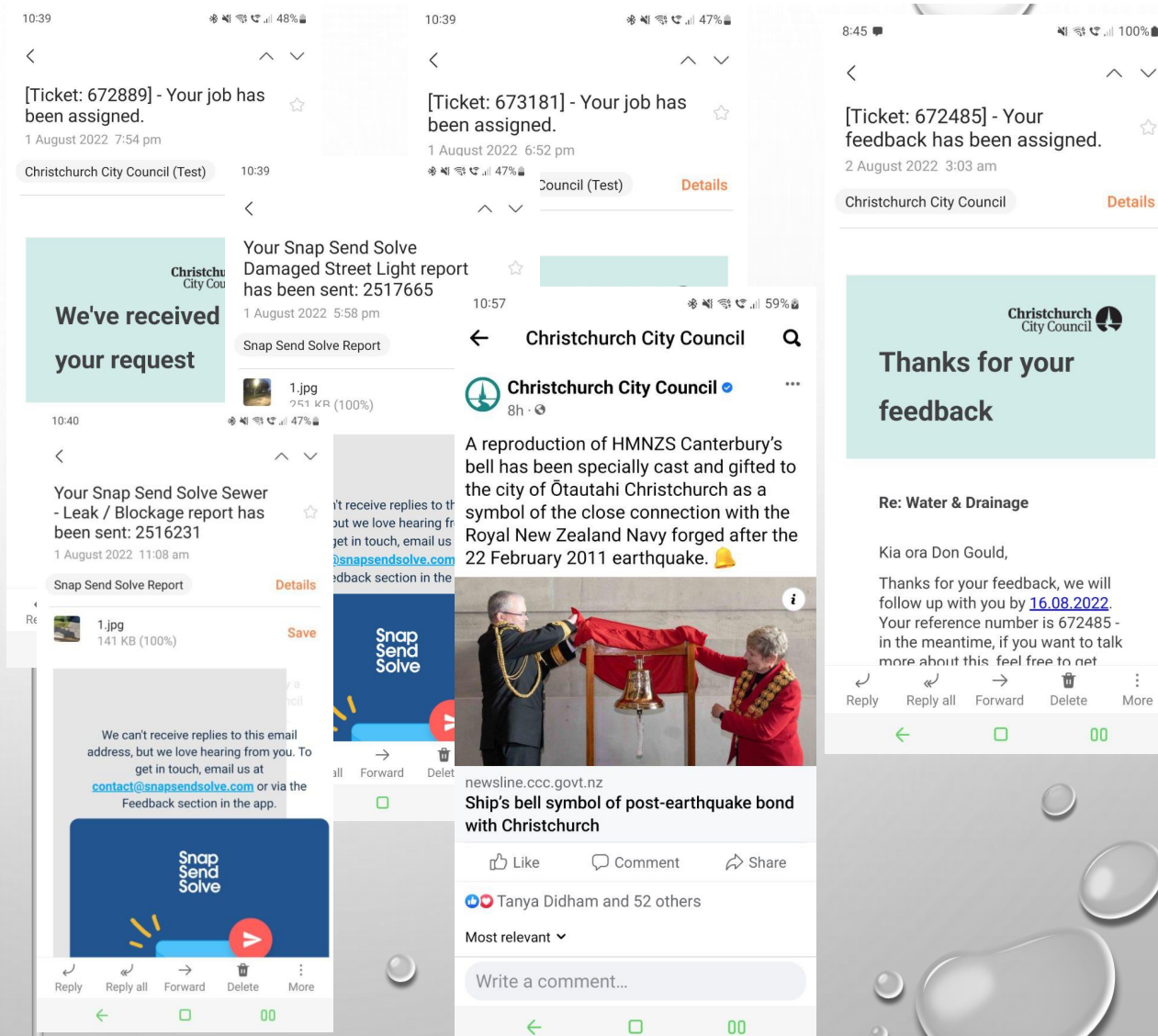
SEWER CRISIS IS NOT THE ONLY SEWER PROBLEM IN THE CITY RIGHT NOW...

- MY DAD PASSED WAY IN JUNE
- AGRICULTURAL ATTACHÉ TO THE NEW ZEALAND HIGH COMMISSIONER IN 1973
- BY 37 HE WAS THE ASSISTANT DIRECTOR GENERAL FOR AGRICULTURE AND FISHERIES AND RESPONSIBLE FOR 5000 STAFF
- AS IMPORTANT, WITH AS MUCH INFLUENCE AS ANYONE IN THIS ROOM, HE HAD A HAND IN FEEDING HUNDREDS OF MILLIONS OF PEOPLE AROUND THE WORLD....
- ...BUT WHEN I WAS 17 AND OUR SEWER SYSTEM BLOCKED IN LOWER HUTT, HE ROLLED UP HIS SLEAVES, GOT A SPADE, DUG IS UP AND FIXED THE PROBLEM...
- I CAN'T DO THIS IN OUR CITY BECAUSE WE HAVE INSTALLED A SYSTEM SO COMPLEX THAT IT REQUIRES SPECIALIST PEOPLE WHO SIMPLY CAN'T MAKE IT STAY WORKING...



A COMPLEX SYSTEM OF TICKETS WITH NO ONE TO CLEAR THEM AND NO FEED BACK

- I REPORTED MY SEWERAGE ISSUE AT 11 AM
- THE TICKET WASN'T PROCESSED UNTIL 3AM THE NEXT MORNING...
- SOCIAL MEDIA TEAMS HAD TIME TO MAKE FLUFF POSTS ABOUT PRESENTATIONS THAT SHOULD HAVE BEEN THE BUSINESS OF THE PRESS TO REPORT...
- I EVENTUALLY CALLED THE CALL CENTRE WHO CHASED UP A CONTRACTOR AT 8:30...



A BLINKING LIGHT GOT FASTER ATTENTION!

- THE BLINKING LIGHT THAT I ALSO LODGED A SNAP SEND SOLVE TICKET FOR GOT PROCESSED AND FIXED FASTER!
- MY 6PM TICKET GOT PROCESSED BY 8PM, ASSIGNED AND REPAIRED THE NEXT MORNING



10:39 48%

< ^ v

[Ticket: 672889] - Your job has been assigned. ☆

1 August 2022 7:54 pm

Christchurch City Council (Test) Details

Christchurch City Council

We've received your request

Re: Lighting

Kia ora Don Gould,

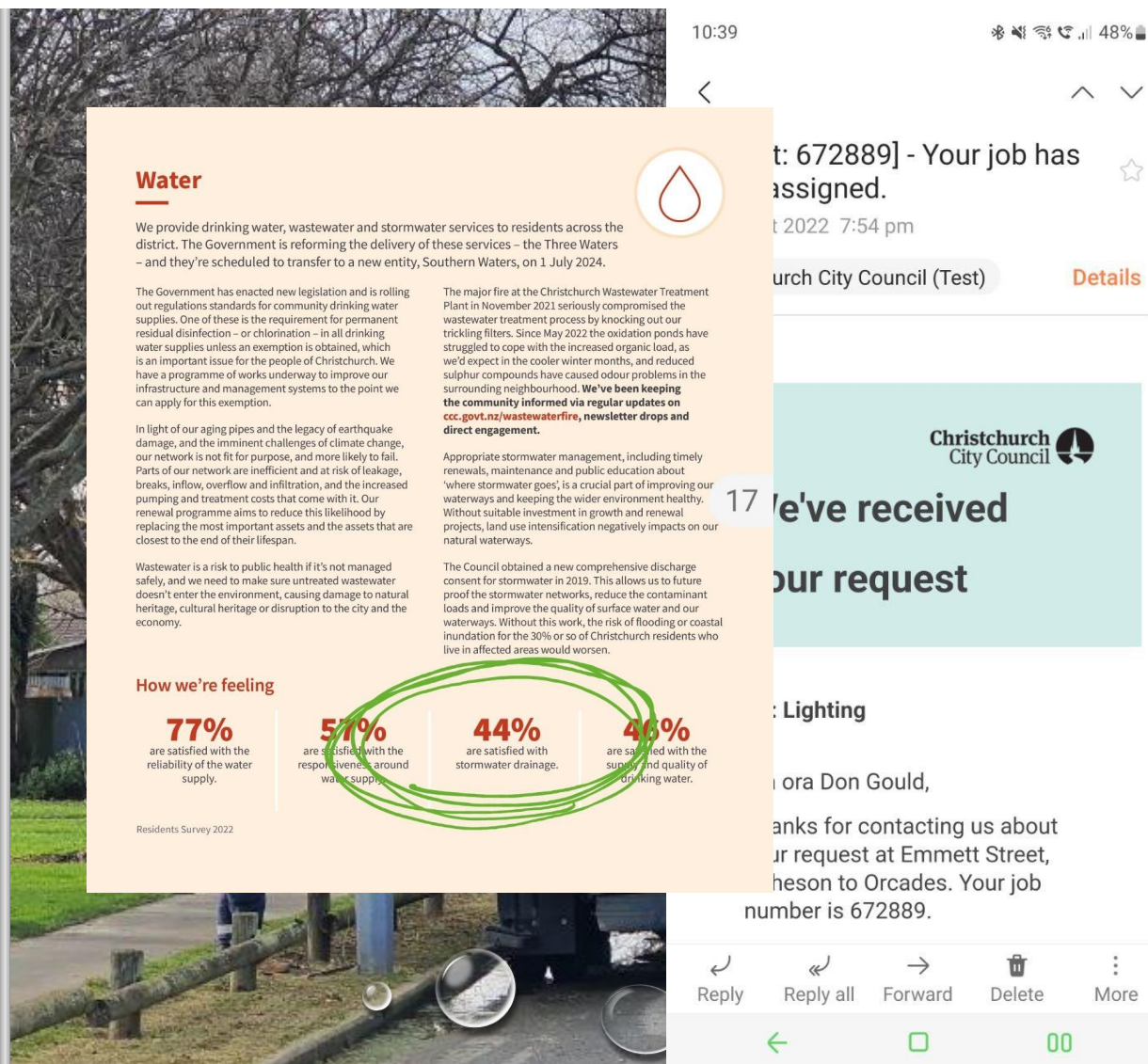
Thanks for contacting us about your request at Emmett Street, Acheson to Orcades. Your job number is 672889.

Reply Reply all Forward Delete More

← □ 00

66% ARE UNHAPPY WITH STORM WATER

- ONLY 44% ARE HAPPY WITH STORM WATER...
- WE HAVE TO START GETTING THIS RIGHT...
- IT DOESN'T MATTER WHO OWNS OUR ASSETS...
- WE HAVE TO STOP FUSSING ABOUT WHO IS GOING TO OWN IT BECAUSE AT THE END OF THE DAY IT'S US WHO'S GOING TO FIX IT NO MATTER WHO OWNS IT!



THE GOVERNANCE LENS HAS TO MOVE TODAY...

- THANK YOU FOR YOUR RESPONSE TO SEWERCRISIS.NZ BUT NOW I NEED YOUR ATTENTION ON A WIDER RANGE OF ISSUES AGAIN, ALL IN THE WATER DEPARTMENT...

27%
are satisfied with
the condition of
our roads and
footpaths.



THE GOVERNANCE LENS HAS TO MOVE TODAY...

- THIS COUNCIL IS NOT MEETING
WITH ITS "COMMUNITY OUTCOMES"
- IT AFFECTS MY WELLBEING...
- IT AFFECTS MY FAMILIES
WELLBEING...
- THANK YOU AND QUESTIONS..

27%
are satisfied with
the d
our
fo

Resilient communities

- Strong sense of community.
- Active participation in civic life.
- Safe and healthy communities.
- Celebration of our identity through arts, culture, heritage and sport.
- Valuing the voices of all cultures and ages.



Healthy environment

- Healthy water bodies.
- High quality drinking water.
- Unique landscapes and indigenous biodiversity are valued and stewardship exercised.
- Sustainable use of resources and minimising waste.



Liveable cities

- Vibrant and suburban an
- A well-conne promoting a
- Suffic
- 21st

Our Community Outcomes

Pro

- Great and invest
- An inclusive broad-based
- A productive
- Modern and

Christchurch Wastewater Treatment Plant

Council Meeting
3 August 2022

Overview of today's presentation

Part 1

- Community support & social response
- Business support

Questions

Part 2

- Environmental monitoring
- Interim operations update
- Oxidation pond recovery
- Options assessment
- Health & Safety
- Trickling filter media removal
- Communications
- Reporting coming up

Questions

Key messages

- Social response – targeted support for most affected
- Interim treatment solution operational
- Biology of activated sludge plant maturing nicely
- On track to meet September target for maximum odour reduction from ponds
- The second trickling filter will be completely emptied mid next week
- New infographic includes depiction of pond recovery
- Paint discolouration results published with remedial action advice

3 August 2022

Part 1 : Community wellbeing response

- Partnership continues with agencies and community service providers
- 20+ schools and early childhood learning centres received support
- Individual payments of \$550,000+ made to affected households
- Comprehensive information continues regularly via range of channels and a further letterbox drop planned
- Now focusing on targeting support for those still most affected
- Council considering today a recommendation for additional funding, to
 - help remove barriers to primary health services
 - support wider group of identified schools and ELCs, and science enquiry learning
 - support local wellbeing activities in affected communities.

3 August 2022

Business support

- Discussion with businesses held
- Targeted communications planned for this week

3 August 2022

Questions?



Part 2: Environmental monitoring

Air sampling and reporting of hydrogen sulphide

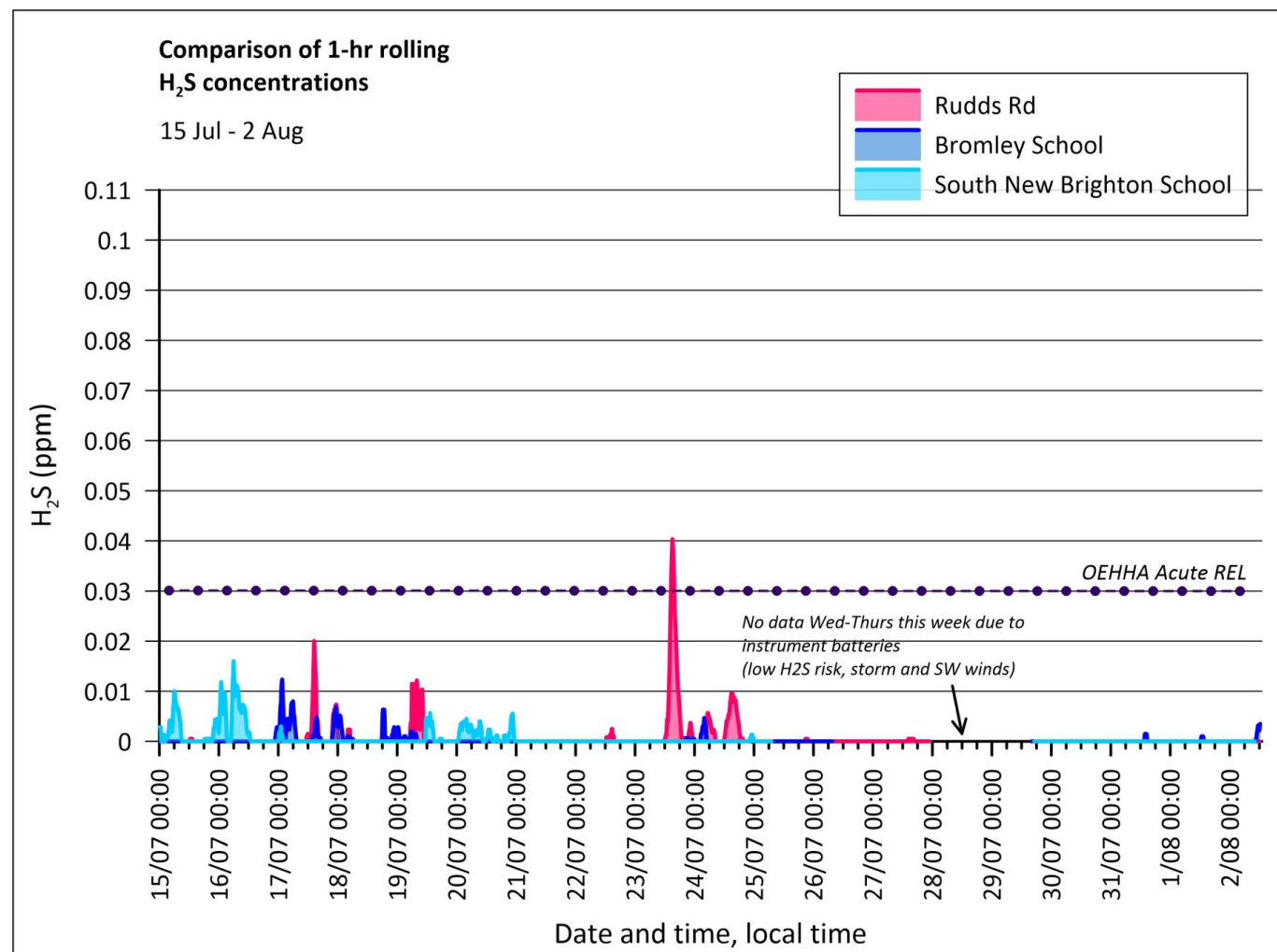
- 6 continuous monitors in residential settings
- Results are updated on website weekly
- Sentinel monitors on a combined graph
- Overall results below 0.03ppm
- Indoor Monitoring.

3 August 2022

Environmental monitoring



3 August 2022



3 August 2022

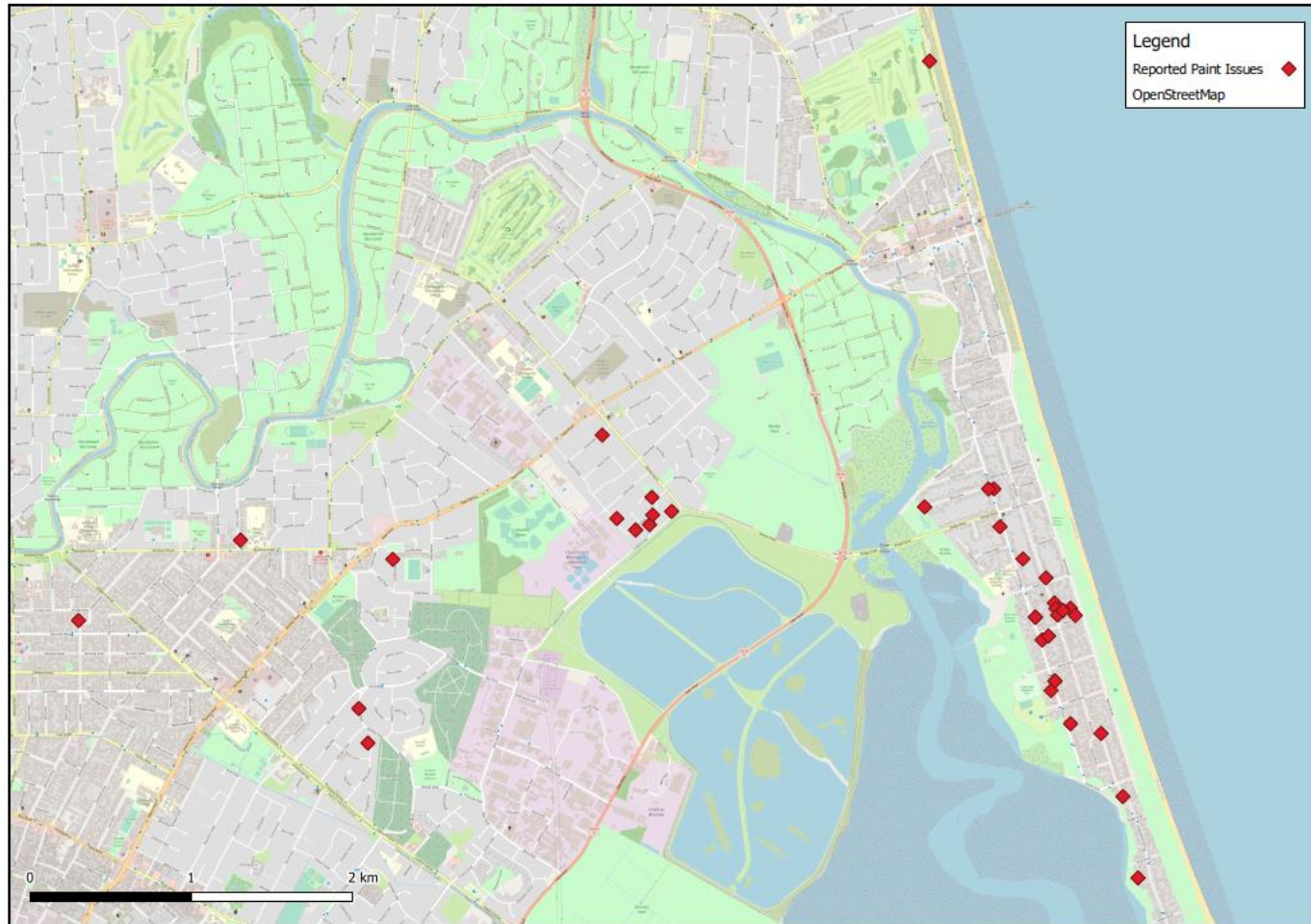
Environmental monitoring

Environmental monitoring

Paint Discolouration

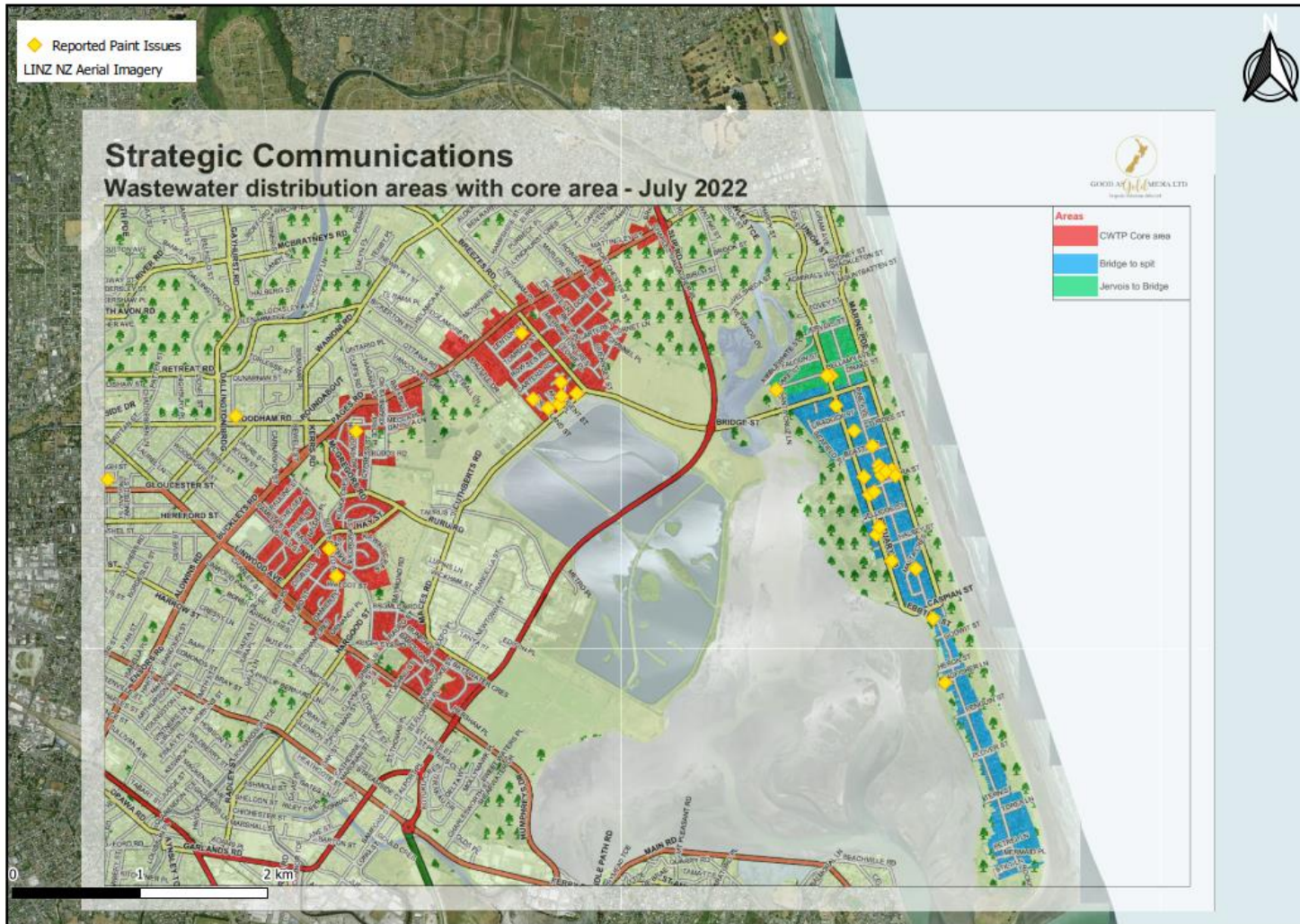
- 39 property owners contacted Council
 - 4 Tested for presence of mould
 - 8 Tested for lead sulphides.
- All tested properties had evidence of lead in paint layers
- 5 of the 8 were positive for lead sulphides
- Reactions from H₂S are expected to fade over time and cleaning with proprietary chlorine based cleaners may speed this process.
- This cleaning will also assist in treating any discolouration caused by mould.

3 August 2022



Environmental monitoring

3 August 2022



Mail-out distribution area overlay

Attachment A Item 22.

3 August 2022

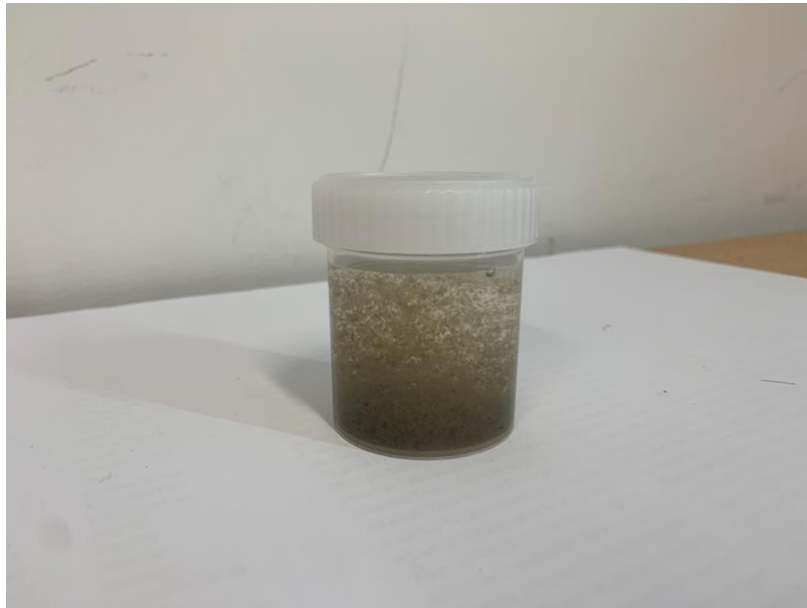
Interim operations update

- Trickling filter process replaced by converting two clarifiers into aerations basins (activated sludge plant)
 - Activated Sludge Plant mechanical fully commissioned week ending 29 July, with the biological process beginning its 2-3 week growth journey
 - Interim operation expected to remain operational consistently for up to five years
 - Critical spares available on site to reduce any downtime
 - A pro-active maintenance schedule is in place and underway
 - Close monitoring of wastewater quality parameters is underway.
-

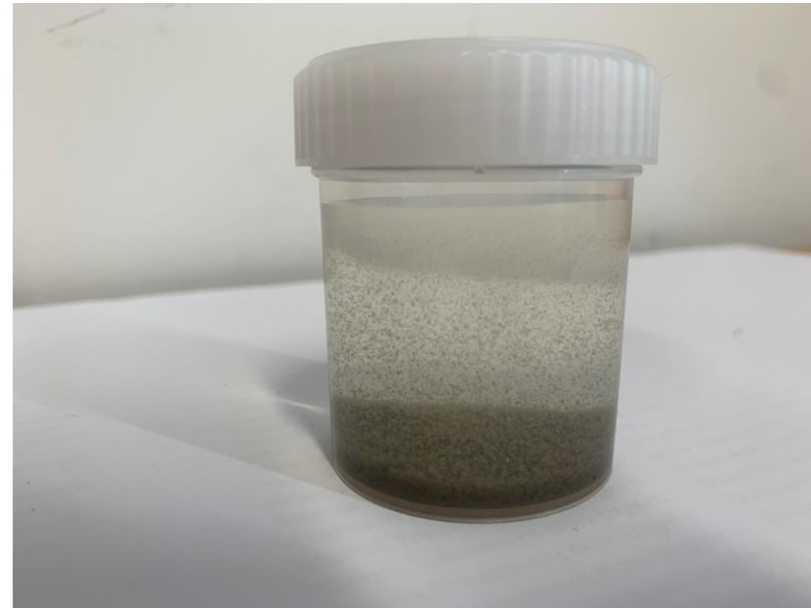
3 August 2022

Settleability (1 August)

Before



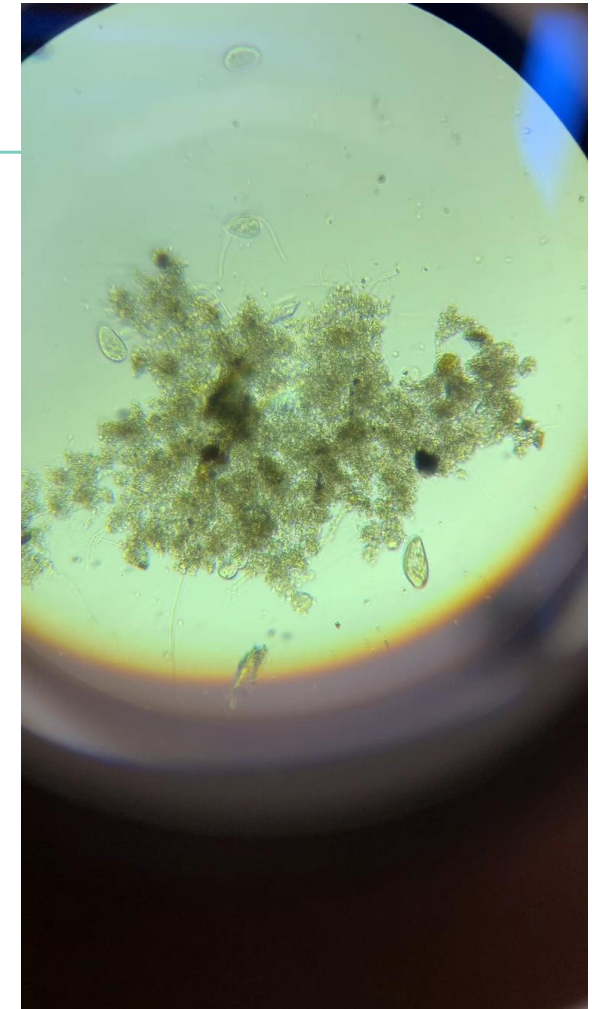
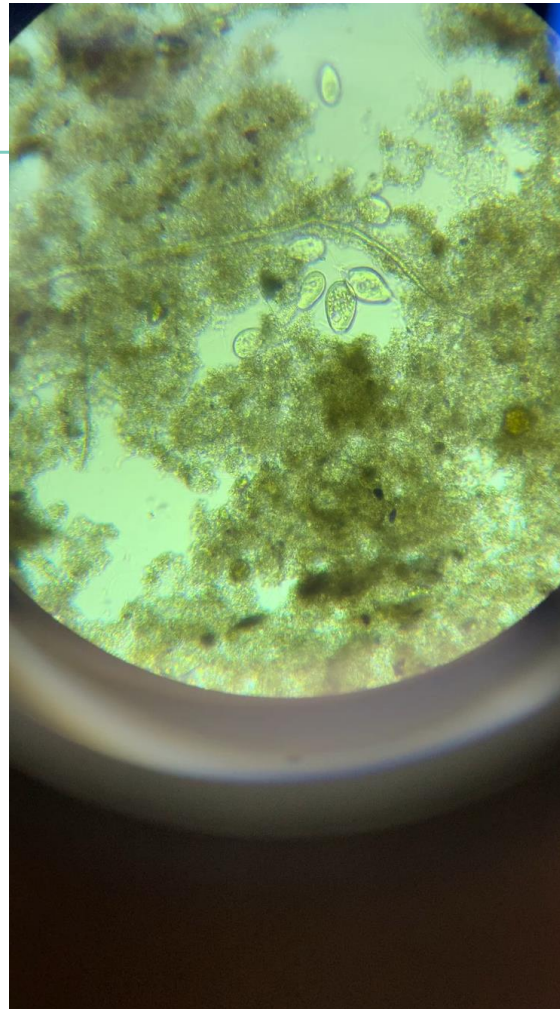
After (1 minute later)



3 August 2022

Microscopy (1 August)

- Stalked and free swimming ciliates.



3 August 2022

Oxidation pond recovery

- Prior to the fire the ponds had a minor treatment role, post fire they play a more important role
- Oxidation ponds treatment performance continues to be poor.
- The wet weather has had a flushing effect on the ponds, resulting in lower load concentrations and higher dissolved oxygen levels
- Spot sludge surveys of Oxidation Pond No.1 were completed last week, with Ponds 2A, 2B and 4 scheduled for this week (delayed by weather conditions).

3 August 2022

Oxidation pond recovery

- Anticipate that Oxidation Pond No.1 will start to show signs of returning to predominantly normal operation by mid-August
- Ponds will improve in sequence over the next few weeks and all be at normal operation by mid-September (noting this is weather and temporary activated sludge plant performance dependant)
- We expect summer conditions to support the effective performance of the oxidation ponds (UV light and wind).

3 August 2022

Oxidation pond recovery and discharge

- Two surface aerators continue to perform well.
- About to procure additional aerators for Pond 1
- Wastewater discharge to the outfalls continues to exceed standard values for Faecal Coliforms and Enterococci, we are notifying Environment Canterbury and the Medical Officer of Health.
- Beach sampling continuing to be twice per week.

3 August 2022

Options assessment for trickling filter replacement

- Options assessment for trickling filter replacement underway and on course to be delivered by November / December 2022.
- The Council will receive a progress briefing from staff on 9 August.

3 August 2022

Health & Safety

- Elevated health and safety risks at the plant with so much happening
- Site visits from the Health, Safety and Wellbeing team have increased
- Chief Executive & members of the Risk and Assurance Team have carried out a site visit with the Health and Safety team
- Health and Safety initiatives continue to be identified and actioned at the plant
- Audits on the Contractors working on the Trickle Filters & Interim Plant Operations occurring on a frequent basis.

3 August 2022

Trickling filter media removal

- The last of the two structures is 99.9% emptied, five and a half weeks ahead of schedule
- Removal of the finer media material will be completed mid next week
- Three weeks to clean walls and floor
- End of August completion.



3 August 2022

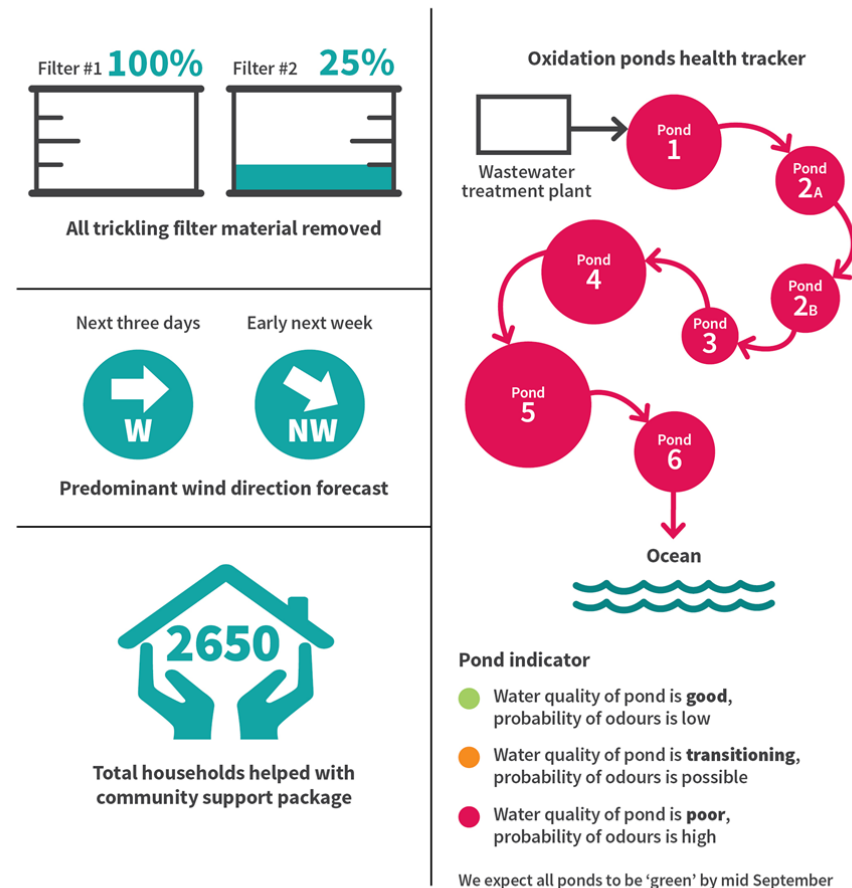
Drone footage (captured 27 July)



3 August 2022

Communications

- Mail-out to 6,700 residents with updated information and house discolouration findings will be distributed in the coming days
- New continuous air monitoring information updated on website weekly
- E-newsletter infographic updated with pond tracker to reflect current stage of work.



All figures correct as of 5pm on 27 July 2022

3 August 2022

Communications

- Continuing comms updates:
 - Newline blog updated 2-3 times a day, with social media posts sharing information
 - Website updated at least twice a week with information
 - Weekly e-newsletter with range of information and updates.

3 August 2022

Reporting coming up

- The Council/Environment Canterbury Governors Presentation on CWTP 4 August
- Health & Safety Committee meeting 5 August
- Insurance Subcommittee meeting 10 August
- Briefing to Linwood Central Heathcote Community Board 10 August
- Briefing to Burwood Coastal Community Board 15 August
- WWTP Communications Advisory Group weekly meetings
- Council Meeting 25 August.

3 August 2022

Key messages

- Social response – now focusing on targeted support for most affected
- Interim treatment solution operational last Wednesday
- Biology of activated sludge plant maturing nicely
- On track to meet mid September target for maximum odour reduction from ponds
- The second trickling filter will be empty by the end of next week
- New infographic includes depiction of pond recovery
- Hydrogen sulphide emissions from ponds
- Paint staining results published with remedial action advice.

3 August 2022

Questions?

