



This project is a collaboration between:



Ngā tana ā-para | Class 1 waste tonnages (2022/2023 financial year)



4.1M
tonnes of household and commercial waste received by class 1 facilities



9.8%
of material reused, repurposed or removed from class 1 facilities within six months of arrival

Diverted		0.4M	▼ 10.5K (2.6%) less than 2021/2022
Disposed		3.7M	▲ 158.4K (4.5%) more than 2021/2022

706
kg waste per person disposed (not diverted)

▲ **23 kg (3.4%)**
more than 2021/2022

Ngā tukunga rāngai para | Waste sector emissions (2021 calendar year)



In 2021, our waste made up

4.2%
of NZ's greenhouse gas emissions and

9.0%
of NZ's methane emissions

3,215
kilotonnes of CO₂ equivalent emitted in 2021 from nitrous oxide, methane, and carbon dioxide

▼ **52 kt CO₂-e (1.6%)**
less than 2020

Nitrous oxide
169
kt CO₂-e
▲ **0.9% vs 2020**

Methane
2,955
kt CO₂-e
▼ **1.8% vs 2020**

Carbon dioxide
91
kt CO₂-e
▲ **0.9% vs 2020**



Wellington Region Waste Assessment (2023)

- Over 300,000t waste to class 1 landfills in the wellington region annually.
- 57% of this is potentially divertible
- 17% of this is timber
- 8% directly related to construction and demolition.
- Additional 47% categorized as industrial/commercial.
- Potentially over 50% of waste to landfill related to construction and development



Figure 16 Composition of Waste to Class 1 Landfills in the Wellington Region 2021/22 – General Waste and Special Waste – Excludes Cleanfill

Why minimise construction waste?

- Increasing disposal costs
- Almost no c&d landfills
- Less than 10 years life in wellington landfills currently projected
- High diversion potential
- Good waste min can be cheaper than landfill
- New options being developed

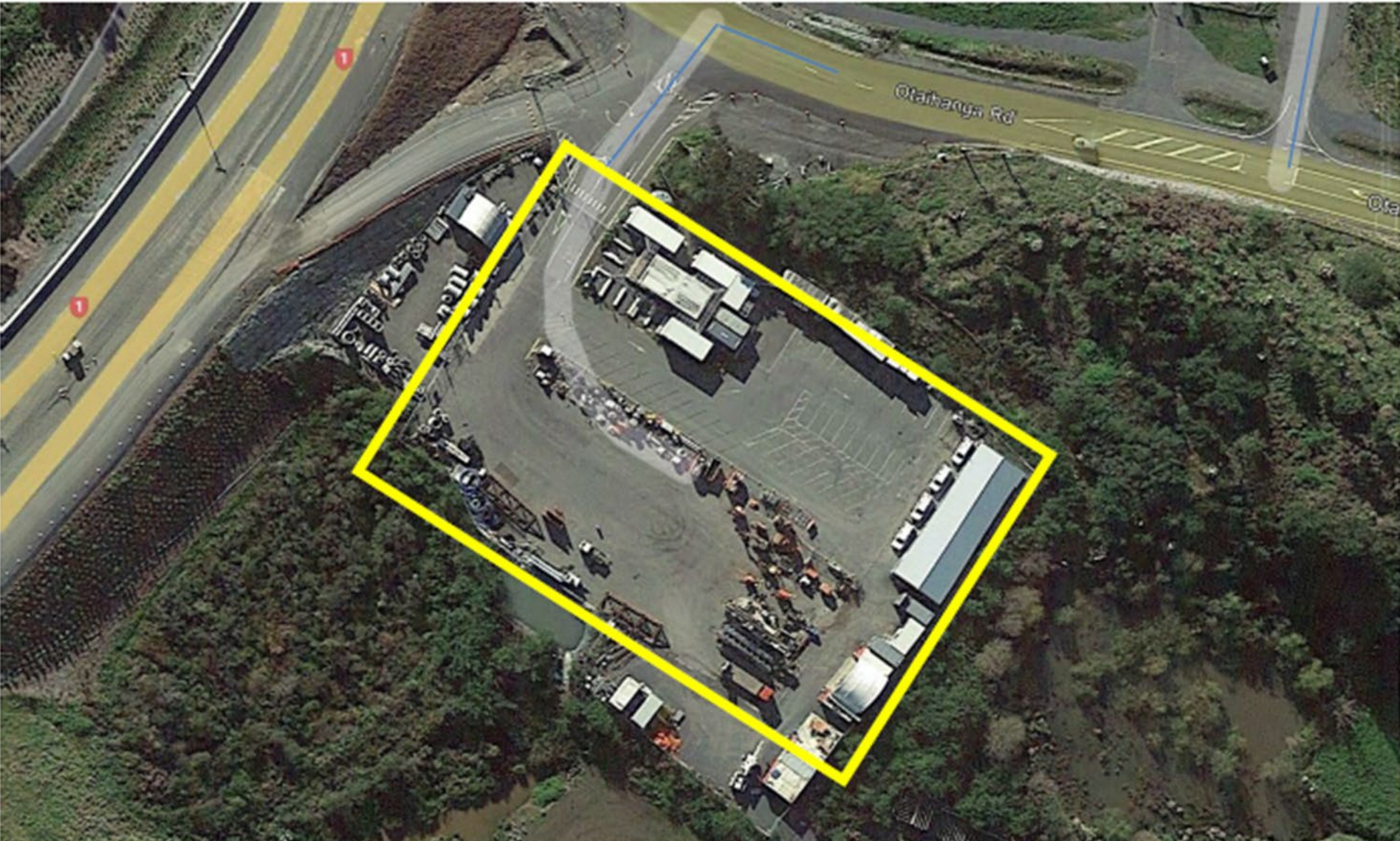
What is Council Doing?



1966 - pasture



By 2016, the contractor's office and storage site had been built for the Mackays to Peka Peka Expressway (M2PP). The whole site is covered with hardfill and/or tarmac.





Original Plan

- Purchase existing buildings from Fletchers at the end of their lease
- Award a lease to a community led recycling group through an ROI process to operate the site

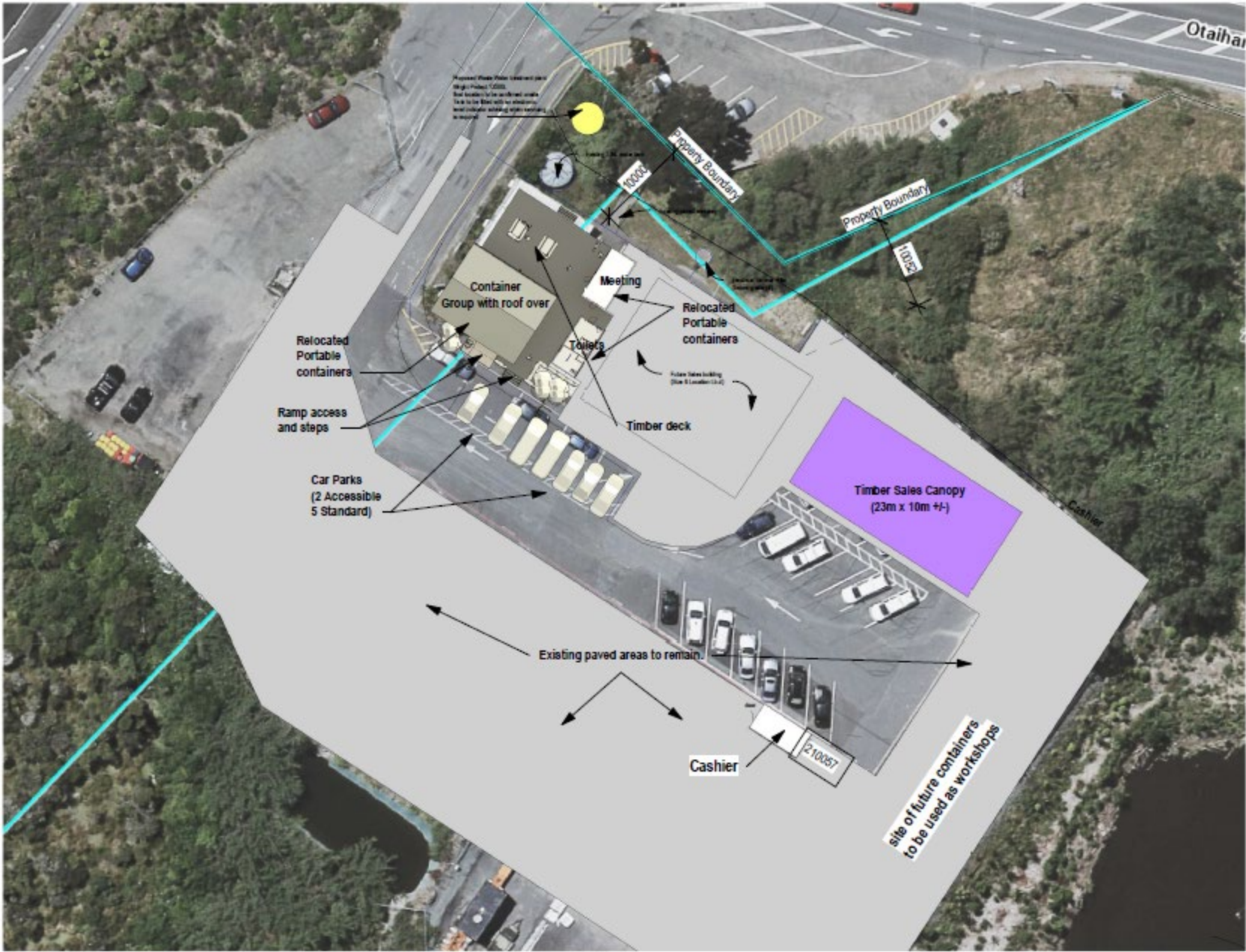
What actually happened:

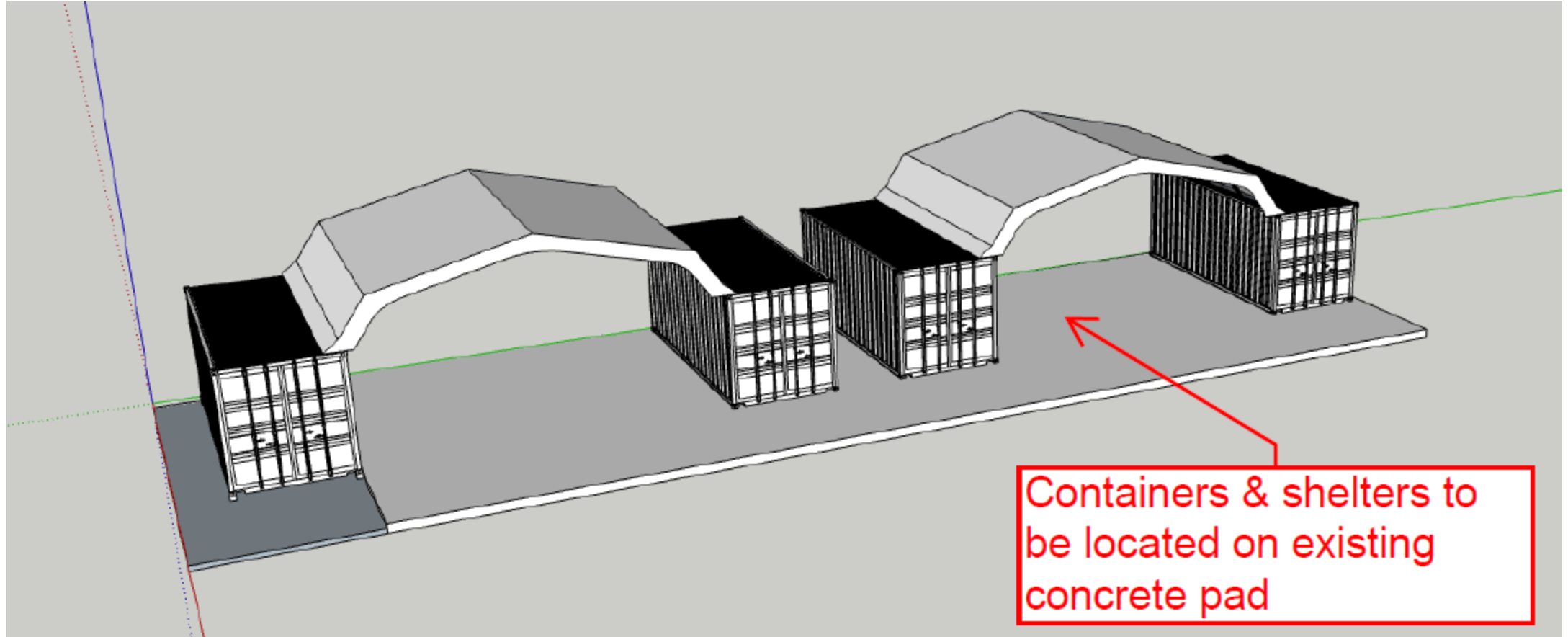
- Buildings never consented as they were temporary for M2PP construction, not allowed to purchase
- No retroactive consent allowed, no records at all
- Fletchers Lease extended to allow removal of buildings
- Blank canvas, design started with hand drawn sketches before going through 6 versions with an architect in around 3 months
- Needs commercial retail level of accessibility, lighting, firefighting, etc.
- No mains water to site, needed for fire safety.
- Found second-hand modular buildings and purchased to store on site
- Found second-hand canopy and purchased before finding out how much engineering it needed for Kapiti wind zone
- Applied for Building Consent, delays caused by NZTA title on one corner of the site and resource consent issues.
- In the middle of this, funding awarded to ST & Localised through Waste Levy seed funding
- Construction underway in late 2023



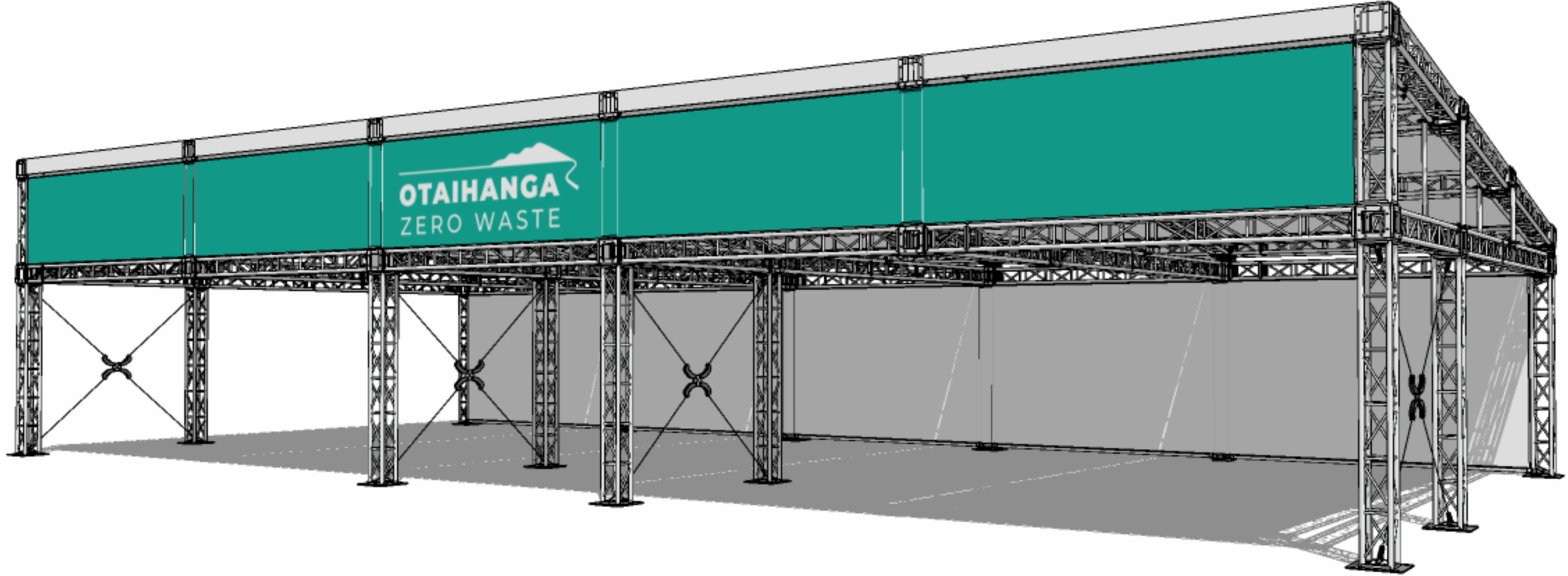








Containers & shelters to be located on existing concrete pad

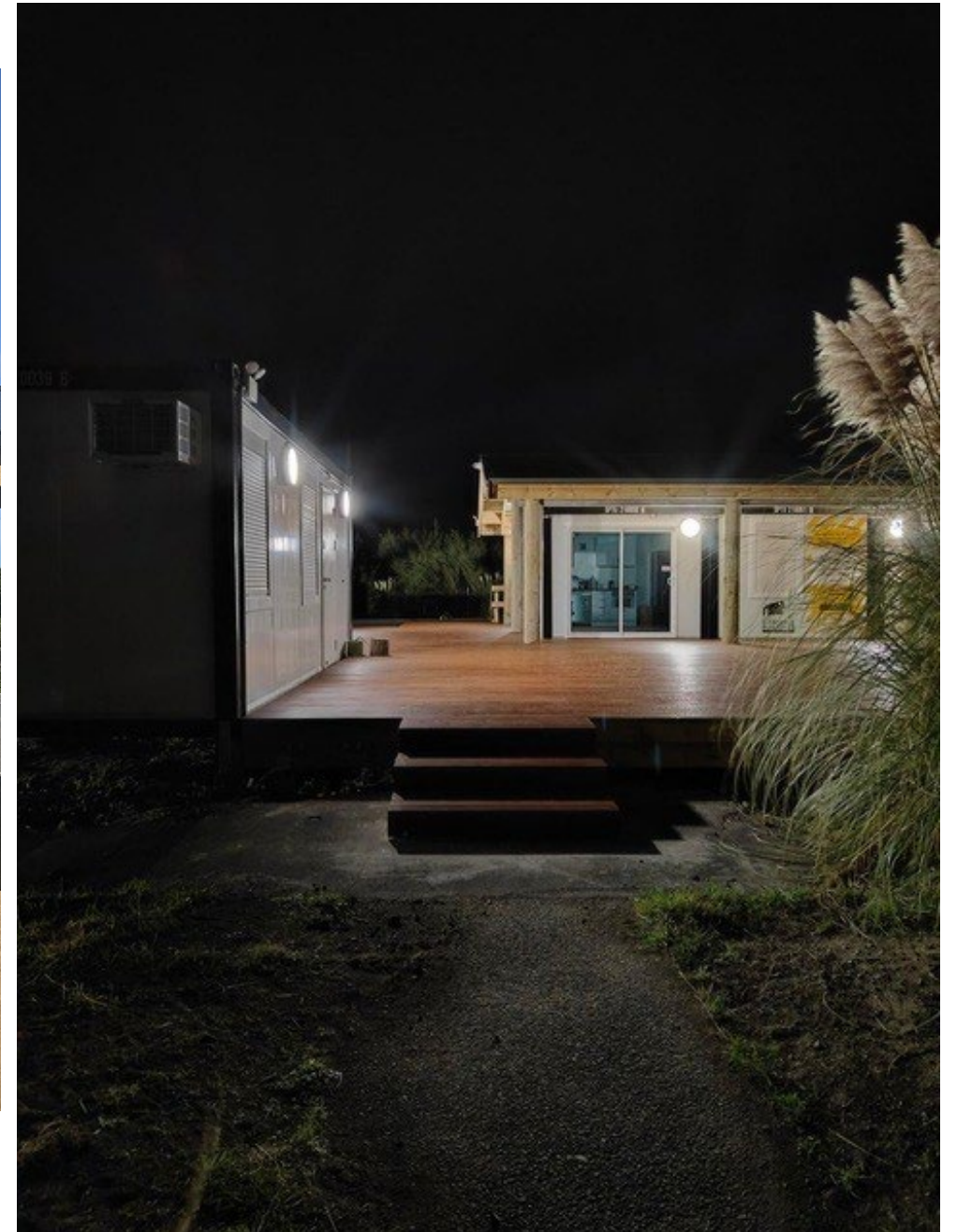












Kapiti money well spent – green light for Resource Recovery Centre

🕒 November 6, 2023

📁 Community, Environment, Latest news..., Lifestyle, Politics

💬 0



Matthew Luxon (CE Localised), Darren Edwards (CE Kāpiti Coast District Council), and Georgi Ferrari (Sustainability Trust Chair) sign lease agreement.

What's the plan (now)

- Full time site manager has been employed and is setting up operations as well as networking with developers, industry, waste companies, community etc.
- Find end markets for timber and other building materials, focusing on reuse.
- Soft launch underway with the first loads of reusable timber being received
- Grand opening later this year around June. Will be open to the public for limited hours.
- Procure tip shop building and move operations over from transfer station
- Link transfer station and OZWH together.
- Increase scope of activities as site progresses and opportunities arise
- Divert 1000s of tonnes of building materials from landfill

Opportunities

Waste min plans for construction

- Eliminate the generation of waste, as a priority, through design and planning.
- Recycle and reuse waste that is created on the job.
- Use construction methods that allow for deconstruction.
- Use products and materials that reduce waste.
- BRANZ REBRI guidance, templates etc
- Pre-existing requirements in Solid Waste Bylaw (2021) with threshold tbd

Opportunities

14 Construction Site and Demolition Waste

- 14.1 The Council may make a control under this Bylaw to require any person that is applying for a building consent for building work of a certain estimated value or higher to submit a construction site and demolition waste management and minimisation plan to the Council for approval prior to the commencement of any building work.
- 14.2 At a minimum, a construction site and demolition waste management and minimisation plan must set out:
- (a) The name of the client, principal contractor, and person who prepared the waste management and minimisation plan;
 - (b) The location of the site;
 - (c) The estimated total cost of the building work;
 - (d) A description of all types of waste expected to be produced;
 - (e) The proposed method of waste management for each type of waste (e.g. reuse, recovery, recycling, disposal); and
 - (f) The proposed method for minimising and capturing litter associated with the project and the building work.
- 14.3 A construction site and demolition waste management and minimisation plan is required by Council to set out:
- (a) An estimate of the quantity of each type of waste; and
 - (b) An estimate of the diversion of waste.
- 14.4 While the building work is being carried out, the principal contractor must:
- (a) Review the construction site and demolition waste management and minimisation plan as necessary;
 - (b) Record quantities and types of waste produced; and
 - (c) Record the types and quantities of waste that have been:
 - (i) Reused (on or off site);
 - (ii) Recycled (on or off site);
 - (iii) Sent to other forms of recovery (on or off site);



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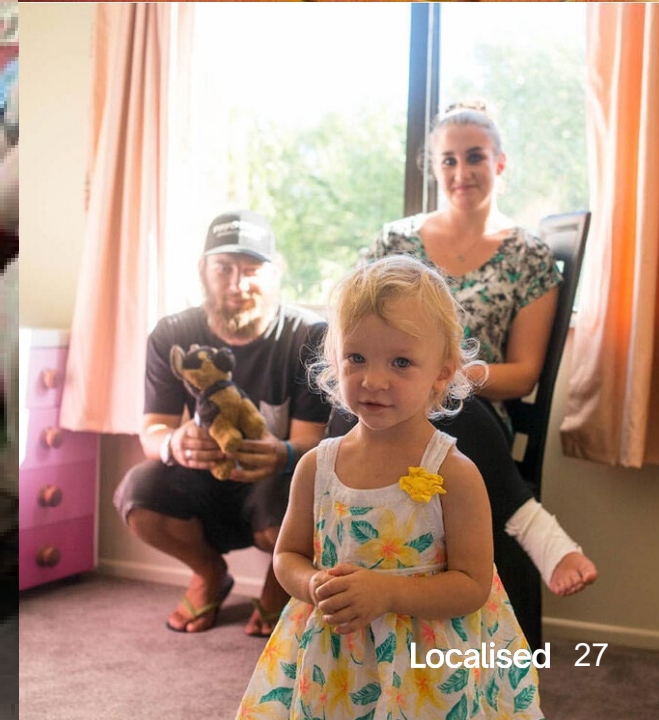


Sustainability Trust

On a mission to create sustainable, healthy homes for our community, to support them to take climate action

Social enterprise operating in the Wellington region for 21 years

- Sustainable Homes
- Healthy Homes Team & Wellington Curtain Bank
- Zero Waste Initiatives
- Toast Electric – not for profit energy retailer





Localised

Help create community-led businesses growing the circular economy in Aotearoa

Localised is a charitable company owned by the Zero Waste Network, a membership organisation with over 120 members working in the resource recovery sector nationwide

- Onehunga Zero Waste
- Mahurangi Wastebusters
- Kaicycle Rongotai zero waste hub
- Onehunga Zero Waste
- Tāmaki Zero Waste Hub
- Wairau Zero Waste Hub





Otaihanga Zero Waste

Our vision is to create a thriving, vibrant destination for the community that supports local resilience, the circular economy and regeneration

Bringing the best bits of Sustainability Trust and Localised together with a local Kāpiti team

- Construction focus
- Sale of reusable materials
- Reuse & recycling
- Space for community partners to co-locate
- Meeting & workshop space



Our growing community



Opening soon!



OTAIHANGA ZERO WASTE

At Otaihanga Zero Waste we provide services high up on the waste hierarchy, think, reduce, reuse, repair & recycle.

Around half of New Zealand's landfill waste comes from construction and demolition. There has been limited alternative solutions for this waste stream.

In building and construction we know that waste is a liability to those who produce it. Builders, architects, accountants, lawyers, trades, officers and EIR practitioners are the potential for waste to be avoided or repaired.

Meeting this need we are providing waste solutions available for our community and these solutions for businesses, organisations and individuals.

We are proud to be a waste management company.

Our vision is to create a thriving, vibrant destination for the community that supports local resilience, the circular economy and regeneration.

Opening hours:

- Monday/Thursday: Closed
- Tuesday/Friday: Closed
- Wednesday/Saturday: Closed
- Thursday/Weekend: By appointment
- Friday/Weekend: By appointment
- Sunday/Weekend: 8:30am - 4pm
- Sunday/Weekend: Closed

Contact us:

Phone: 021 462 810

Email: info@otaihanga.com

Find us at:

200 Otaihanga Road, Paopaeumu

Next to the bus stop and the Transfer Station.



Otaihanga Zero Waste is a joint venture between:

