



Tuakau Bollard Road Resource Recovery Centre



Waikato



District Council

Te Kaunihera aa Takiwaa o Waikato



Key Dates

Dates	Milestone
27 March 2023	10% Concept Designs (up to 3)
28 March to 6 April 2023	Workshop Concept Designs and Vision Board
5 April to 26 April 2023	Iwi Engagement
5 April to 26 April 2023	Stakeholder Workshop (Waikato DC, Community Board)
29 May 2023	Finalised design/reporting and Rough order Physical works estimate

Site Overview

128 Bollard Road, Tuakau
4.32 Hectares



Key objectives

Best Practice:

1. Maximise diversion from landfill and the value of recovered materials.
2. Meets community expectations and is easy to use.
3. Maintain continuous drive-in/drive-out approach with recycling drop-off before landfill.
4. Ensure recoverable materials have end markets (support circular economy).
5. Comply with local, state and federal regulations, legislation, guidelines and infrastructure plans.
6. Optimize traffic flow to separate drop-off vehicles from collection vehicles.
7. Environmentally and operationally safe.
8. Economically sustainable (energy and water efficient).
9. Utilise technology, equipment and advanced systems to improve operational efficiency of the site.
10. Future ready – capacity to grow over time and adapt to changes in industry

Best Practice Design

Resource Recovery Centres

A Front End **Free** drop off

- Drive through drop off
- Safe and dry storage of materials
- Resale shop connected to Front End

B **Weighbridge**

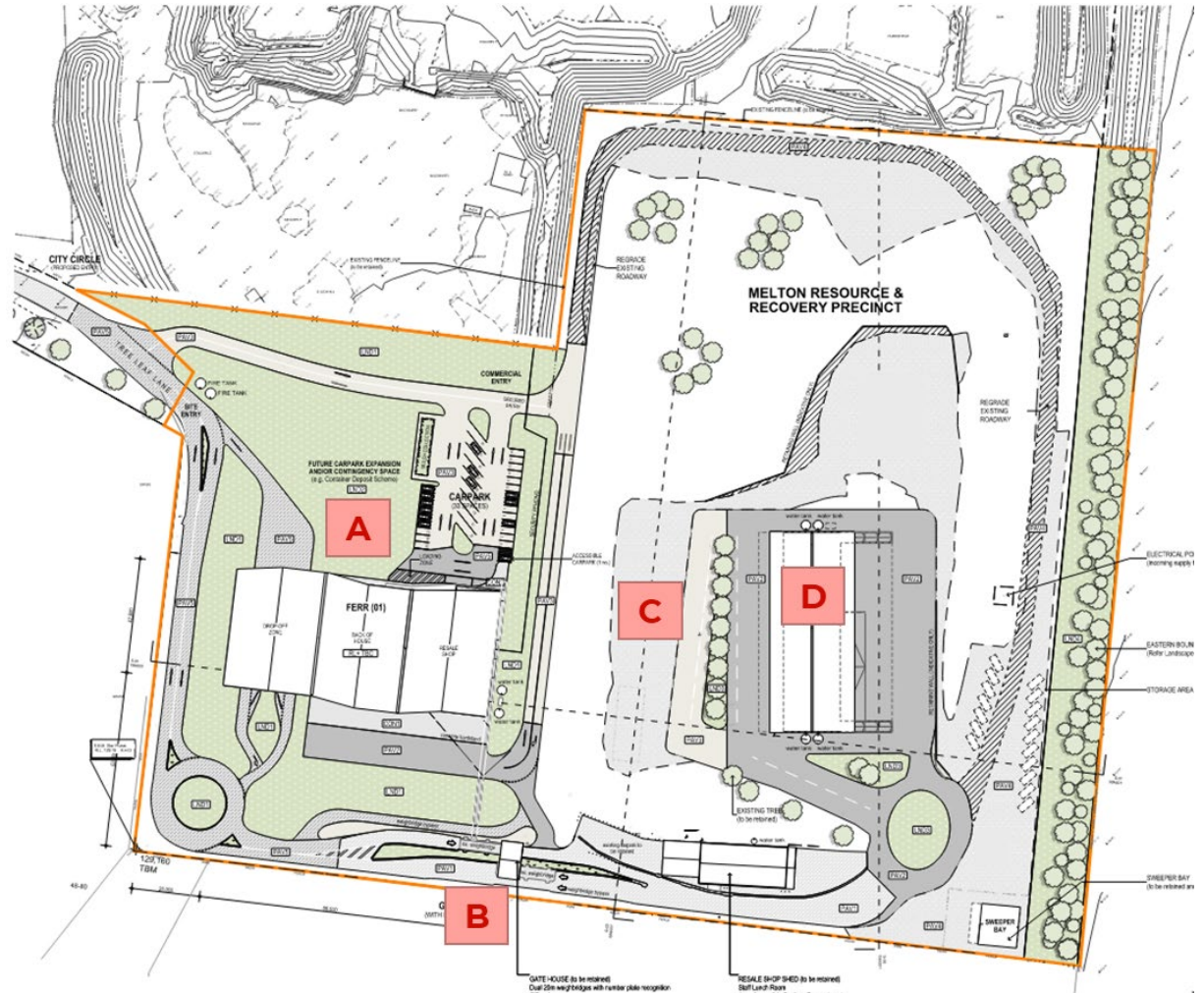
- Dual lane weighbridge
- Number plate recognition
- By pass lane

C C&D / Green Waste **Paid** drop off

- Stockpile pens for concrete, soil, rubble,
- Garden waste storage and shredding

D Residual Waste – **Paid** drop off

- Flat floor push pit
- Commercial collection separate form domestic drop off



Facility Examples

Front end Free drop off

Drive through facilities:

- One way traffic flow
- Highly visible signage and pedestrian areas
- Dedicated drop-off for free recyclables
- Parking bays for cars with trailers
- Covered parking and unloading areas



Facility Examples

Resource Recovery



Re-use Shop



Repair Cafe



Micro industries



Employment and Training



Tool Library



Speciality Recycling

Facility Examples

Transfer Stations

Flat Floor facilities

- Separate Commercial/Operational and Public Traffic



Split Level facilities

- Utilise on site topography
- Separate Commercial/Operational and Public Traffic





Bryan Duncan

Team Leader Transport

Bryan.Duncan@wsp.com

027 538 3186