

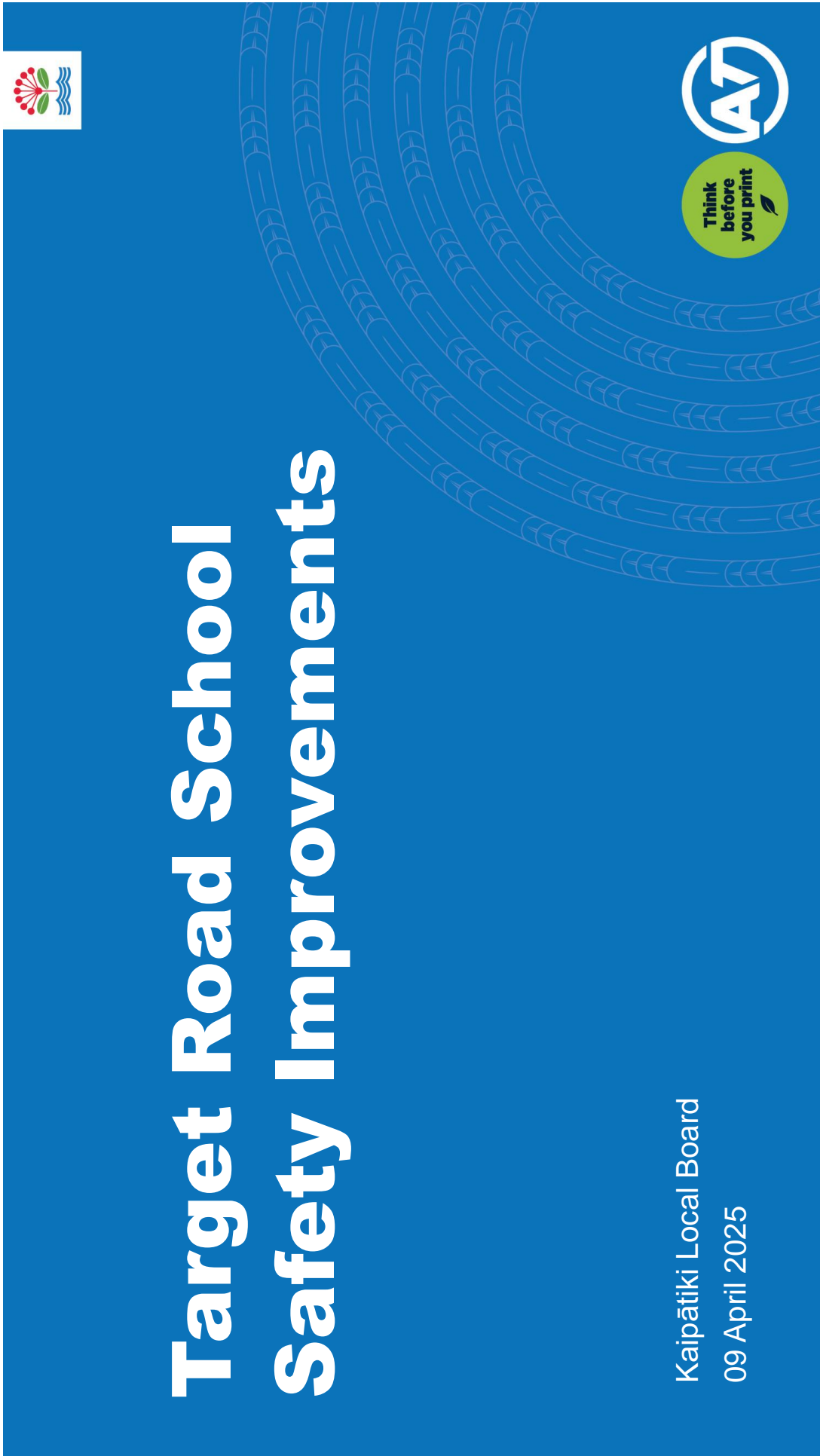
Date: Wednesday 9 April 2025
Time: 12.45pm
Meeting Room: Kaipātiki Local Board Office
Venue: 90 Bentley Avenue
Glenfield

Kaipātiki Local Board Workshop

OPEN ATTACHMENTS

ATTACHMENTS UNDER SEPARATE COVER

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**Target Road School
Safety Improvements**

Kaipātiki Local Board
09 April 2025

Think before you print

AT

Target Road School, Safety Improvements

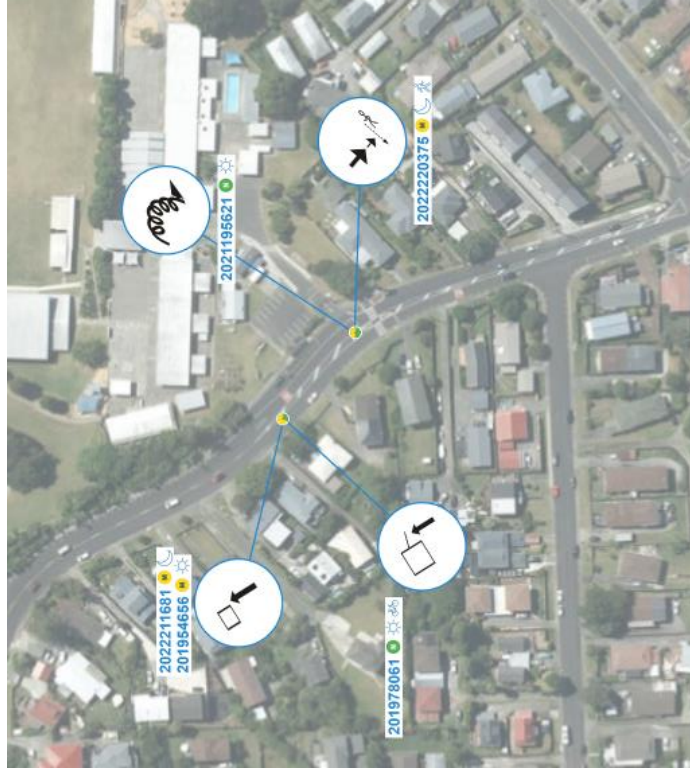


Existing:

- At grade zebra crossing
- Target Road:
 - ADT: 8,300 with 5% HV
 - 85th percentile speed: 54km/h
- Land use:
 - Schools, bus stops and reserve
 - Target Road / Sunnybrae Road roundabout approximately 120 metres away.



Target Road School, Safety Improvements



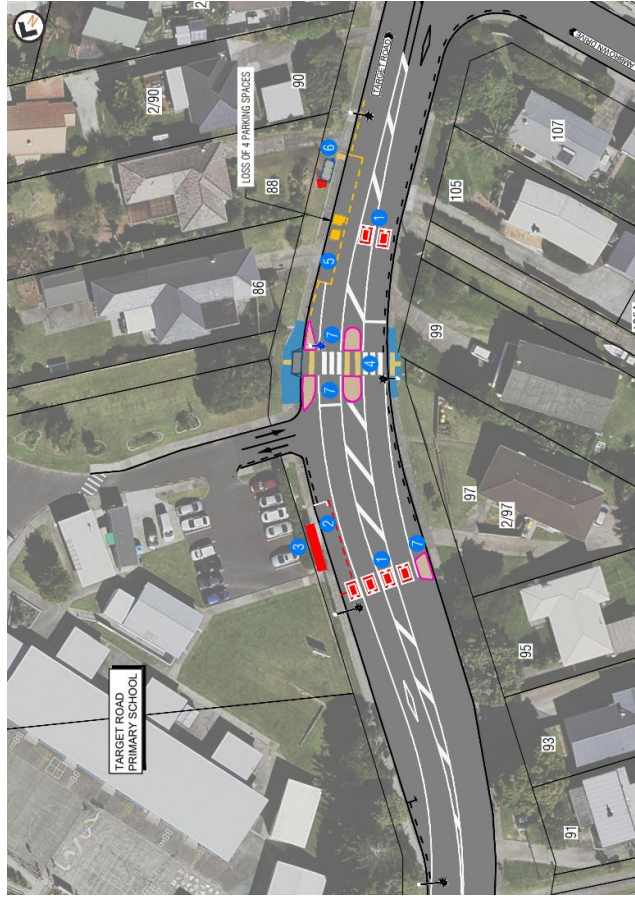
Crash diagram (2019-2023) – all crashes

Main Issues Outside School

- Speeding uphill and downhill in both directions outside Target Road School
- School is concerned about the traffic speeds and safety of the children
- One pedestrian crash at existing zebra crossing
- Total 5 reported crashes (3 minor, 2 non-injury) between 2019 to 2023.



Target Road School, Safety Improvements

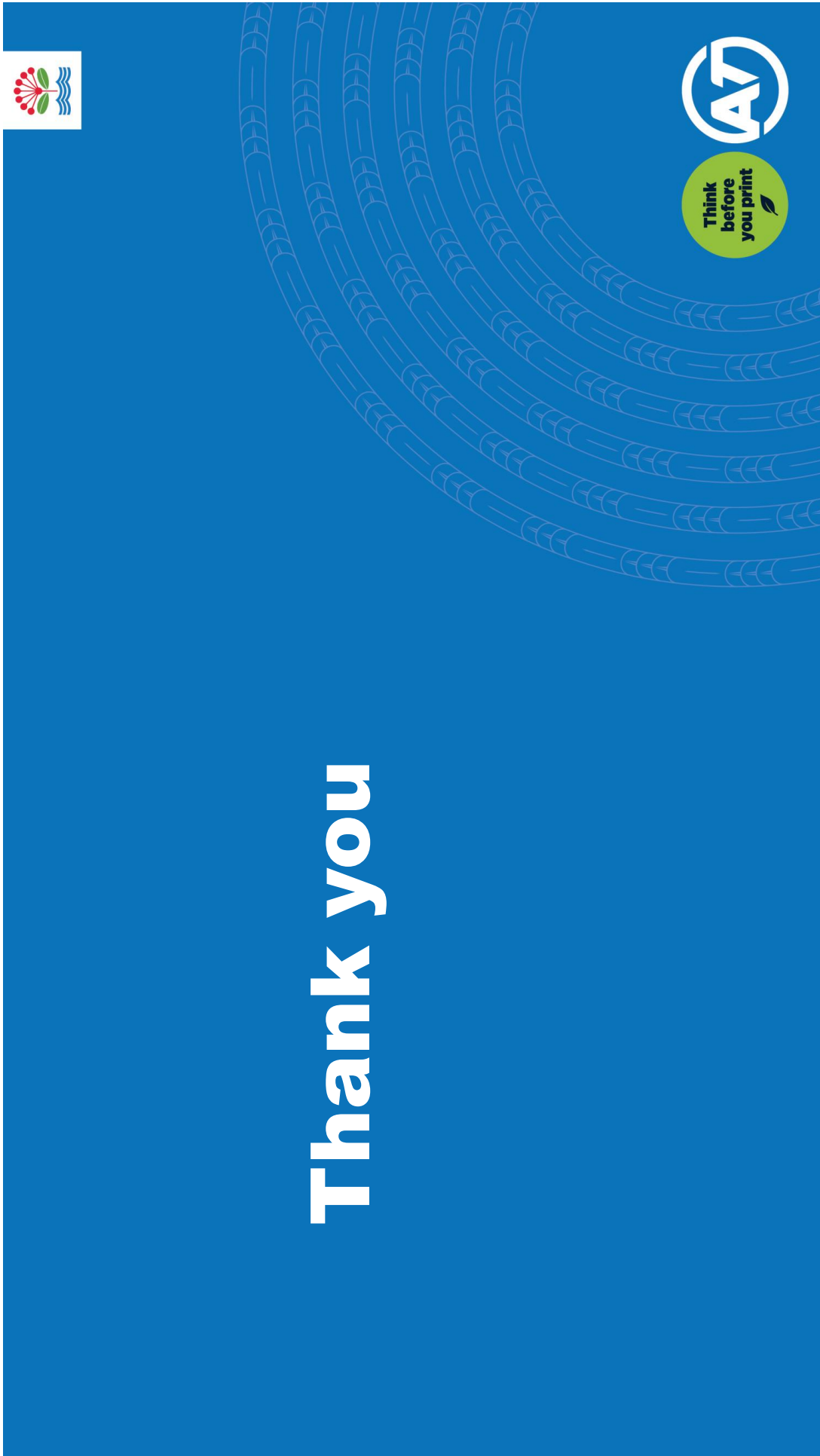


A meeting was held with the school on 6th March 2025 to explain the proposed treatments. The school has expressed their support to the safety improvements.

Proposed Changes:


- Set of speed cushions proposed instead of raised zebra crossing due to concerns of noise and vibration from adjacent residents
- Relocate the existing bus stop to south of the zebra crossing to accommodate speed cushions
- Upgrading existing side islands and central islands.





Item 3

Attachment B



Kaipātiki Local Board Workshop

**Birkenhead Town Centre
Footpath Upgrade**
Local Board Transport Capital Fund

Raymond Tong, Project Manager
09/04/2025



Contents

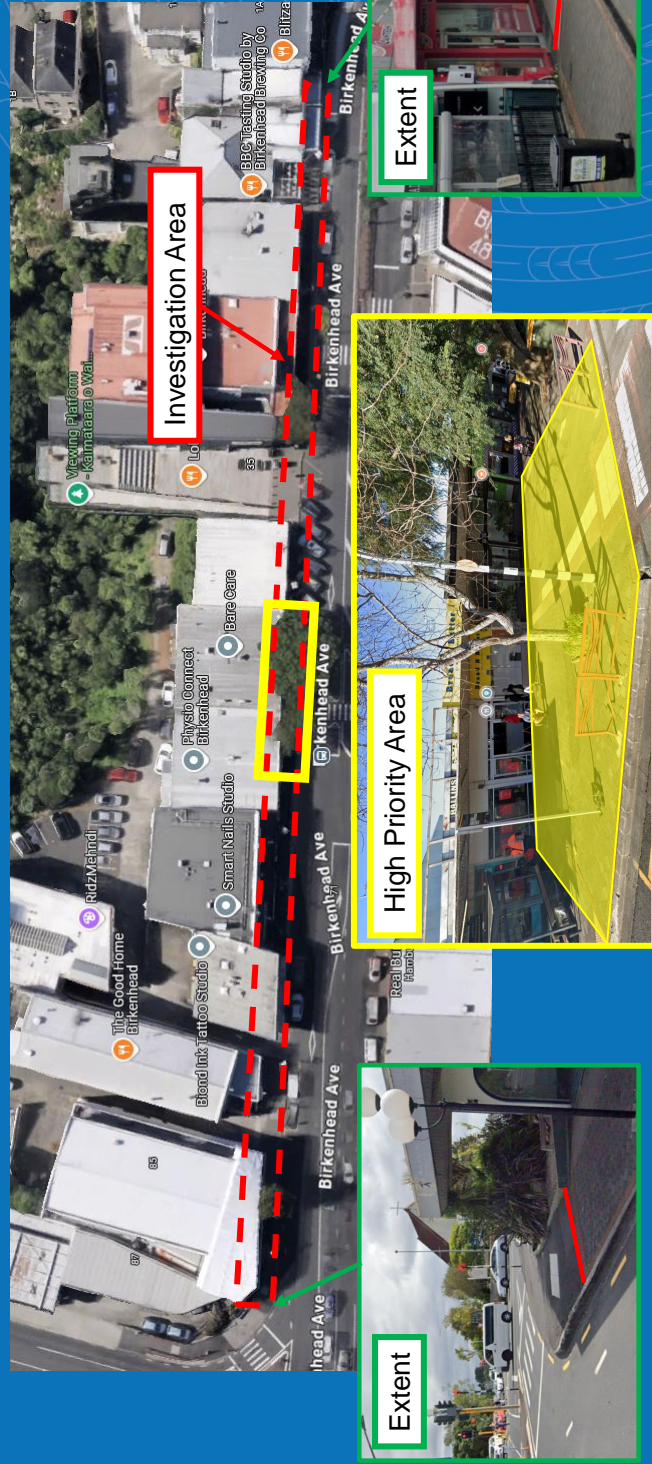
1. Project Objective & Investigation
2. Material Options
3. Steintec
4. Optioneering
5. Additional Works
6. Summary
7. Next Steps

Doing maintenance work is not within the scope of this project.
LBTCF funds for new assets only.

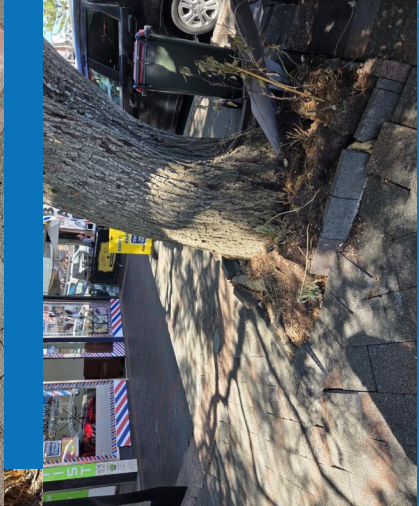


1. Project Origin & Investigation

- Concerns were raised about the poor footpath amenity within the Birkenhead Town center including tripping hazards and stormwater issues
- Engage a contractor to understand pricing and what is possible within the allocated budget (~370k)



1. Project Origin & Investigation



2. Materials Options

Cheaper Options



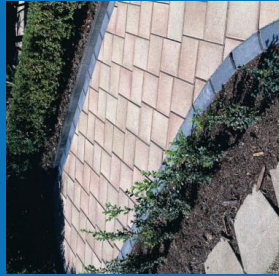
Expensive Options



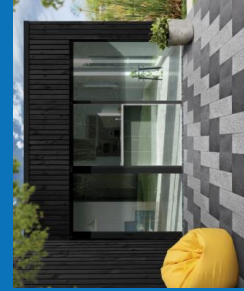
All pavers have been tested for skid resistance

2. Materials Options

Cheaper Options



Walkway 50 paver



Piazza 50 paver

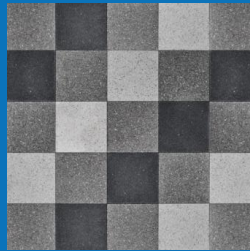


Decorative Concrete

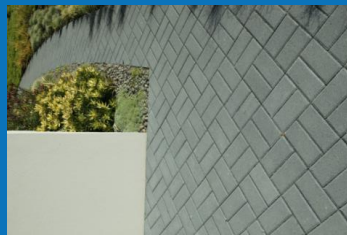


2. Materials Options

Expensive Options



Forum 50 paver



Holland 50 paver

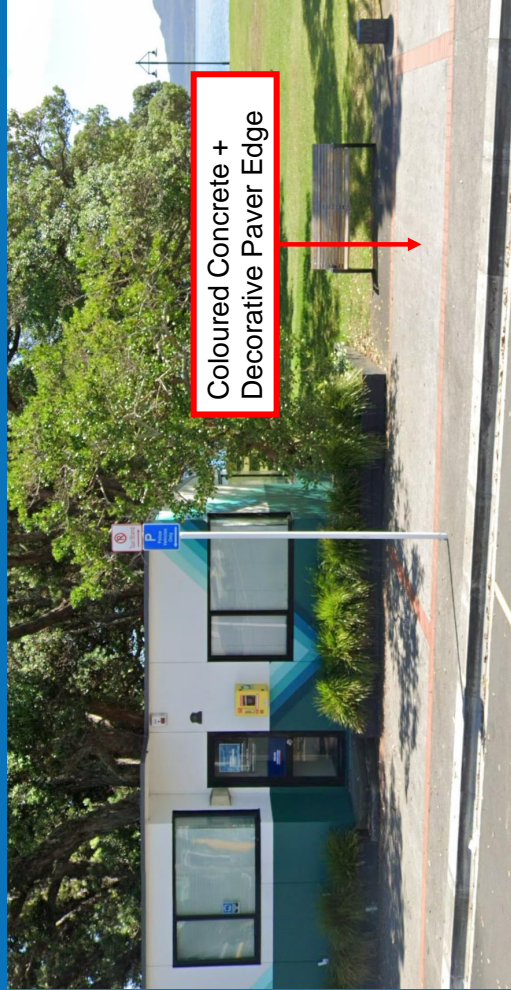
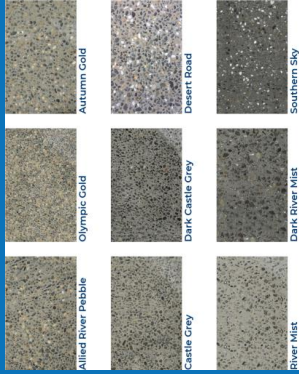


Nubrick Clay Pavers



2. Material Options

Hybrid Option



3. Steintec

- New technology to improve paver adhesion
- Steintec acts as a glue
- Increases paver resistance to undulation due to water or tree roots
- Selectively used in Mission Bay pavers near trees or high trafficked areas.
- Increases overall extents costs by approximately 20% (However lower if used to selectively treat areas)



4. Optioneering

Option 1:
Renewal of High Priority Area

Option 2:
Full Renewal of full extent

All options will treat stormwater issues by providing new grated channel and catchpit if required.



