

Te Ara Ki Uta Ki Tai
Glen Innes to Tāmaki Shared Path – Section 4A & 4B
Balustrade Comparison Pack
05.11.2021

Glen Innes to Tāmaki Shared Path – Section 4A & 4B

Design Summary

The overarching project vision is Te Ara Ki Uta Ki Tai – The Path of land and sea.

Section 4A &4B celebrates the connection from Ōrākei to the Waitematā through a robust and continuous pathway interpreting design excellence and creative expression through subtle adaptions of materials, finishes and detail that respond to and engage with this changing environment.

Design Principles

Cohesive

A cohesive design language and materiality complementing the coastal landscape.

Sinuous

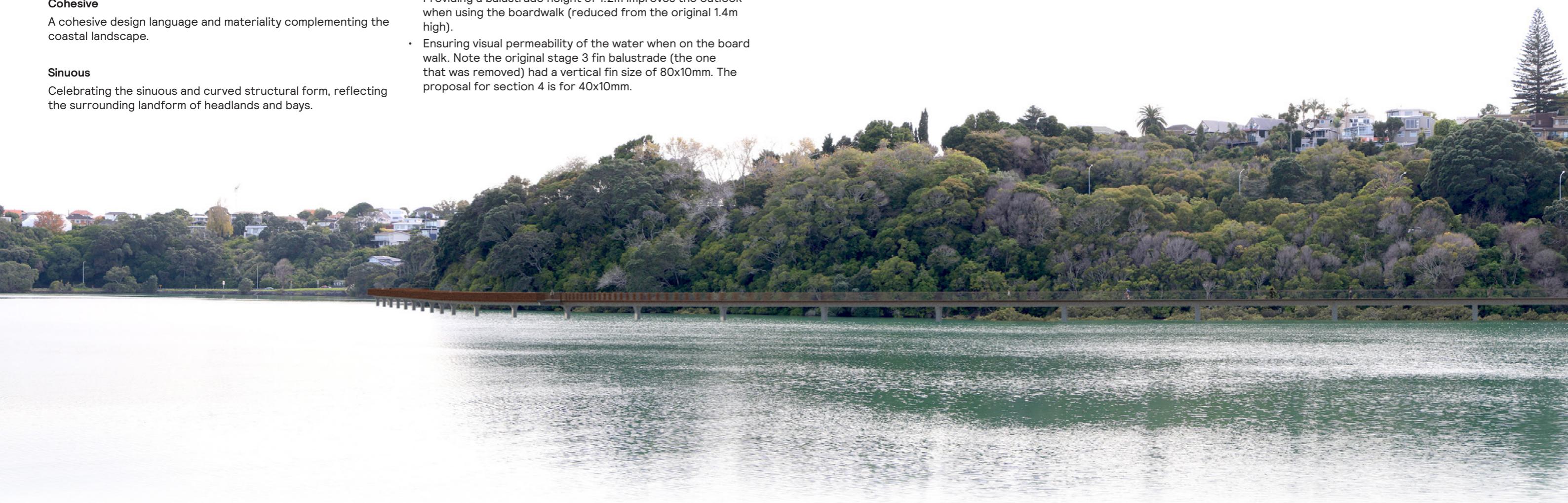
Celebrating the sinuous and curved structural form, reflecting the surrounding landform of headlands and bays.

Balustrade Design

A cohesive and sinuous light weight steel balustrade along the boardwalk segment consisting of 40x10mm steel flat bars providing a connection to the water when on the boardwalk and enhancing the sweeping & sinuous form when viewed from afar.

Learnings from the Section 3 Boardwalk:

- Providing a balustrade height of 1.2m improves the outlook when using the boardwalk (reduced from the original 1.4m high).
- Ensuring visual permeability of the water when on the board walk. Note the original stage 3 fin balustrade (the one that was removed) had a vertical fin size of 80x10mm. The proposal for section 4 is for 40x10mm.



Artist impression looking east from the Ōrākei train line.

Proposed Section 4 Balustrade Design

Balustrade Dimensions:

40x10mm flat bars @ 100mm spacings, perpendicular to the boardwalk. 1200mm high.

40x10mm steel flat bars have been selected as they provide the integral structural support, providing a continuous balustrade without the need for large support posts at regular intervals.

Tunneling Effect:

The section 4 boardwalk is on a curved alignment. A slight 'tunneling effect' may be experienced regardless of the balustrade design.



Existing Section 3 Balustrade Comparison

Balustrade Dimensions:

20mm rods with 100x100mm posts @ 1100mm spacings. 1200mm high.

(Note the original balustrade, the one that was removed, used 80x10mm flat bars, and was 1400mm high).



Proposed Section 4 Balustrade Design

Balustrade Dimensions:

40x10mm flat bars @ 100mm spacings, perpendicular to the boardwalk. 1200mm high.

40x10mm steel flat bars have been selected as they provide the integral structural support, providing a continuous balustrade without the need for large support posts at regular intervals.



Existing Section 3 Balustrade Comparison

Balustrade Dimensions:

20mm rods with 100x100mm posts @ 1100mm spacings. 1200mm high.

The 100x100mm square timber posts are required to provide the structural support for the 20mm rod panels.

