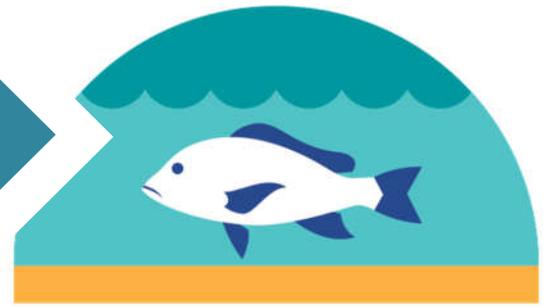
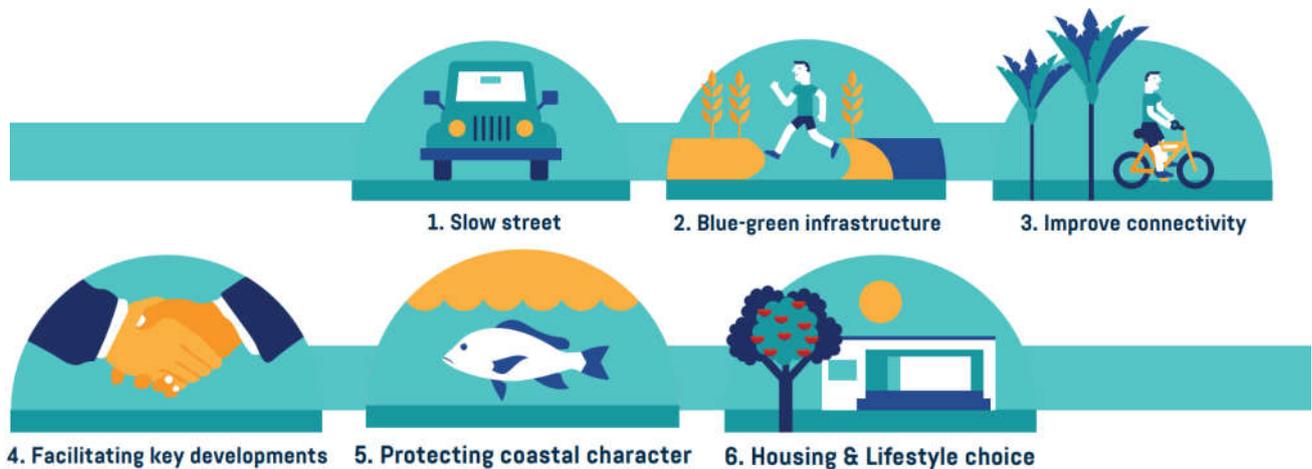


Eveline Street, 100 year design stormwater control



You told us that you are here because of the beach, the bush, the active way of life, the informality and the slower pace. You value community; lots of volunteering, looking after our environment, looking after each other. You do not want to lose these things as Mangawhai grows. We have reflected this in the following six key moves.



This Stage One project for the Water Management work stream has been scoped and identified to be the installation of 100-year design stormwater control that will mitigate current issues with storm water and sewage discharge in Eveline Street.

Blue-green infrastructure using "biofiltration" is increasingly used to design stormwater management and manage natural waterways to lessen flood risk, and improve water quality, in the form of swales, overland flow and retention ponds/rain gardens. There is an associated use of landscaping to enhance biodiversity, create eco-corridors and improve amenity.

The intent is that no untreated stormwater flows directly into the harbour or sea. This is a Council activity that has seen the least investment in Mangawhai over time, with plentiful remedial work required.

While more knowledge is needed to determine the best response, the preferred approach is, where practical, low impact bio-mechanisms (biofiltration) to manage stormwater. This is not always possible because of differing ground conditions. Where there is insufficient soakage, or workable overland flow, piped network may be necessary.

Where possible, drains/overland flow paths will be naturalised into streams with biodiverse riparian planting. Roads will be the first choice for overland flow in storm events. Retention ponding/swales will be used to treat stormwater before it soaks into groundwater or flows into the harbour where this will work. Otherwise a mechanical treatment device may be necessary.

Road work may temporarily block access to properties. Track and discharge work will temporarily close the track to the beach and may block access to some of the beach area.

The start date has been revised and is later than first expected due to concerns that access to the beach would be blocked over the holiday period. More information will be available when the exact times and dates are known.

Signs will be visible onsite prior to works taking place.

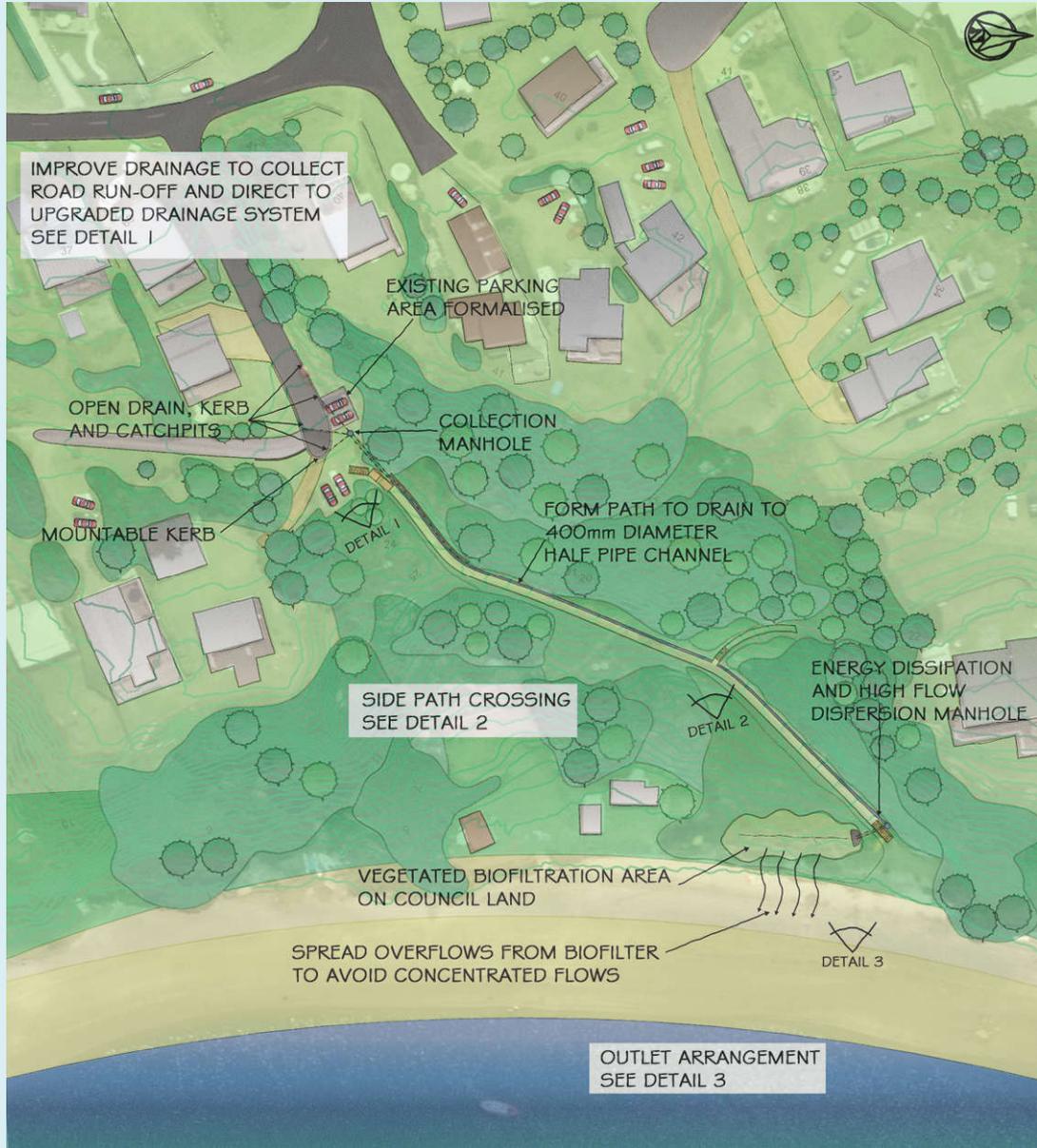
Estimated start date is now 1 March 2020.



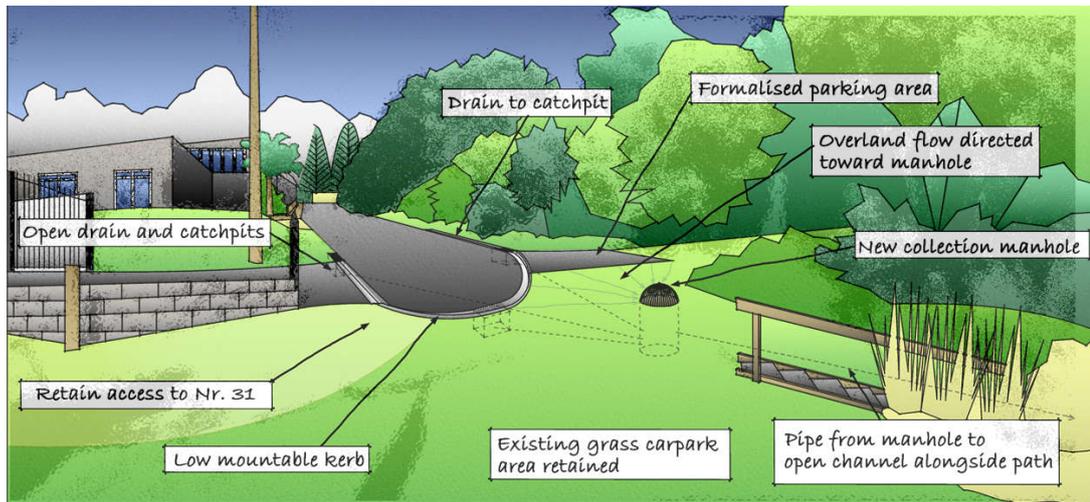
Supporting Documentation

Conceptual Designs

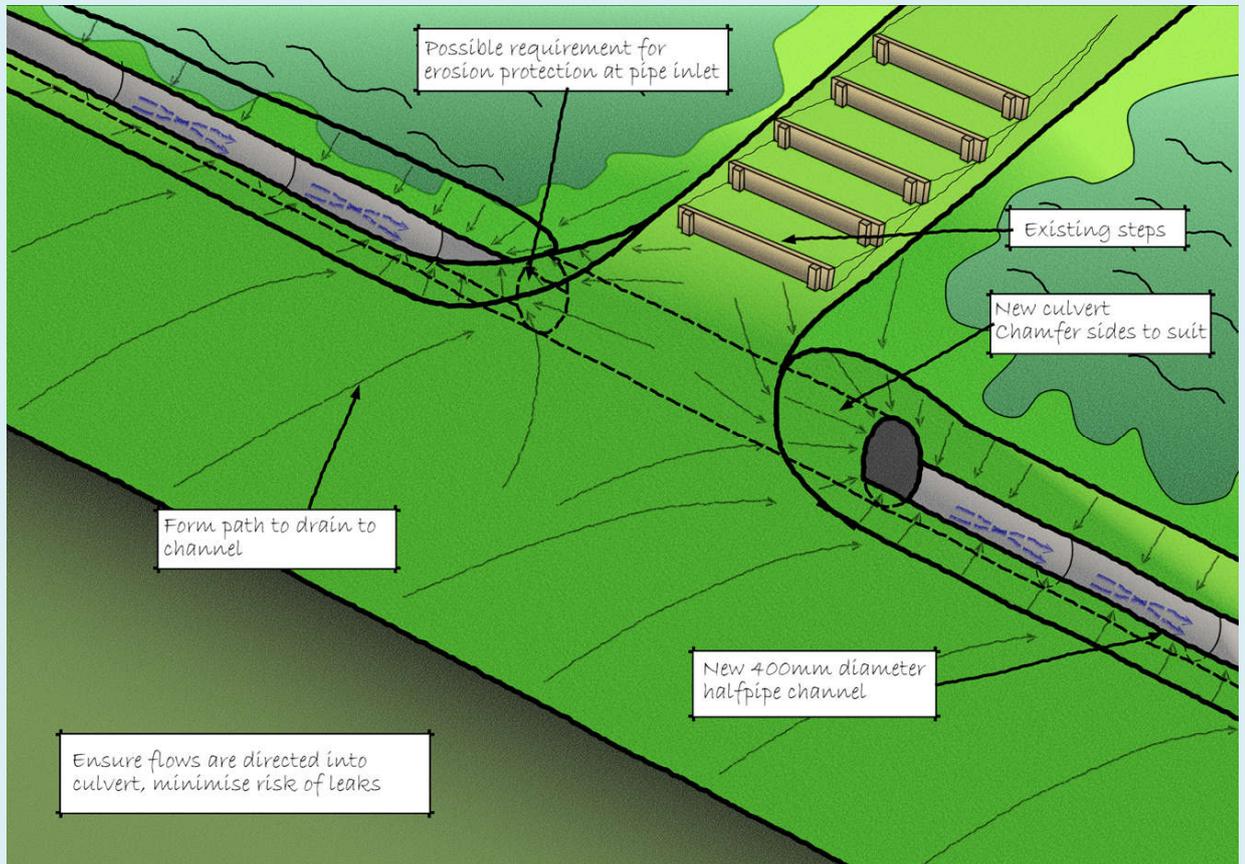
Concept
overview plan 05
June 2019



**Detail 1
(Collection)**

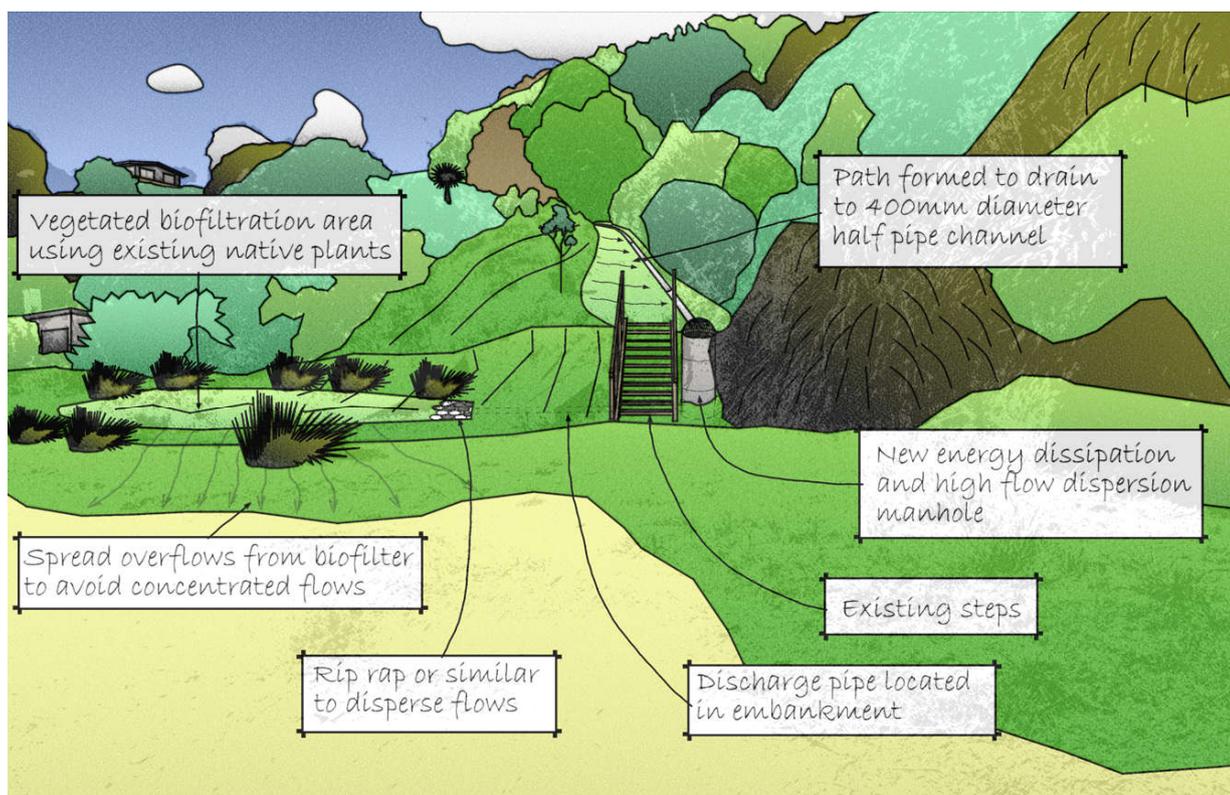


**Detail 2
(Conveyance)**



**Detail 3
(Discharge)**





Strategy / Plan	Description
Engineering Standards	Design as per Kaipara District Council Engineering Standards 2011 and appropriate best practice (For example, Auckland Design Manuals GD01 Stormwater Management Devices and GD04 Water Sensitive Design).
Mangawhai Community Plan	<p>The Mangawhai Community Plan (MCP) is a community led and designed document to provide guidance to Kaipara District Council in the management of growth in Mangawhai. This plan is confined to the roles of Council, these being; planning and regulation, and investment in services and infrastructure for transport, water supply, storm water, wastewater, and parks and reserves.</p> <p>In mid-2016, Council set up a panel of community representatives to make recommendations for Mangawhai. Their recommendations were received and approved by Council in July 2017.</p> <p>The MCP was received by Council at its 20 January 2018 meeting.</p> <p>The MCP was adopted by Council at its 28 February 2018 meeting. Moved by Geange/Wethey, carried.</p> <p>Mangawhai Coastal Connections was identified as a priority one project to begin construction 2018/19.</p> <p>The Priority One projects identified have been provisioned for in the Kaipara District Council's Long Term Plan.</p>
Long Term Plan	<p>The Local Government Act 2002 (LGA) requires every council to produce a Long Term Plan (LTP) every three years.</p> <p>The LTP outlines our activities and priorities for the next 10 years, providing a long term focus for decision-making. It also explains how work will be scheduled and funded.</p> <p>Under the LGA, LTPs must be reviewed every three years with full consultation with the public each time. An Annual Plan is developed in the years in between.</p>

	<p>The Council held briefings across the district to discuss options and directions for setting the Long Term Plan 2018/2028. These meetings were open to the public.</p> <p>Council adopted the Long Term Plan 2018/2028 at their Council meeting held Tuesday 26 June 2018. Moved by Smith/Wethey, carried.</p> <p>Mangawhai Coastal Connections was identified as a planned improvement to Reserves and Open Spaces in Year One – 2018/19, Year Two – 2019/20 and Year Three 2020/21.</p>
<p>Support documents</p>	<p>Stantec 'Eveline Street Walkway' 29 February 2019 scope and history.</p> <p>ENGEO Geotechnical letter 8 May 2019</p> <p>Stantec Concept Plans 05 June 2019 (below)</p> <p>Archaeological Assessment of Effects: Mangawhai Estuary All-Tides Walkway 28 February 2019</p> <p>Heritage New Zealand Pouhere Taonga Authority no. 2019/305: Midden site R08/233</p>

Any queries or feedback can be directed to mangawhaicommunityplan@kaipara.govt.nz
For more information please visit our website www.mangawhaicommunityplan.co.nz

