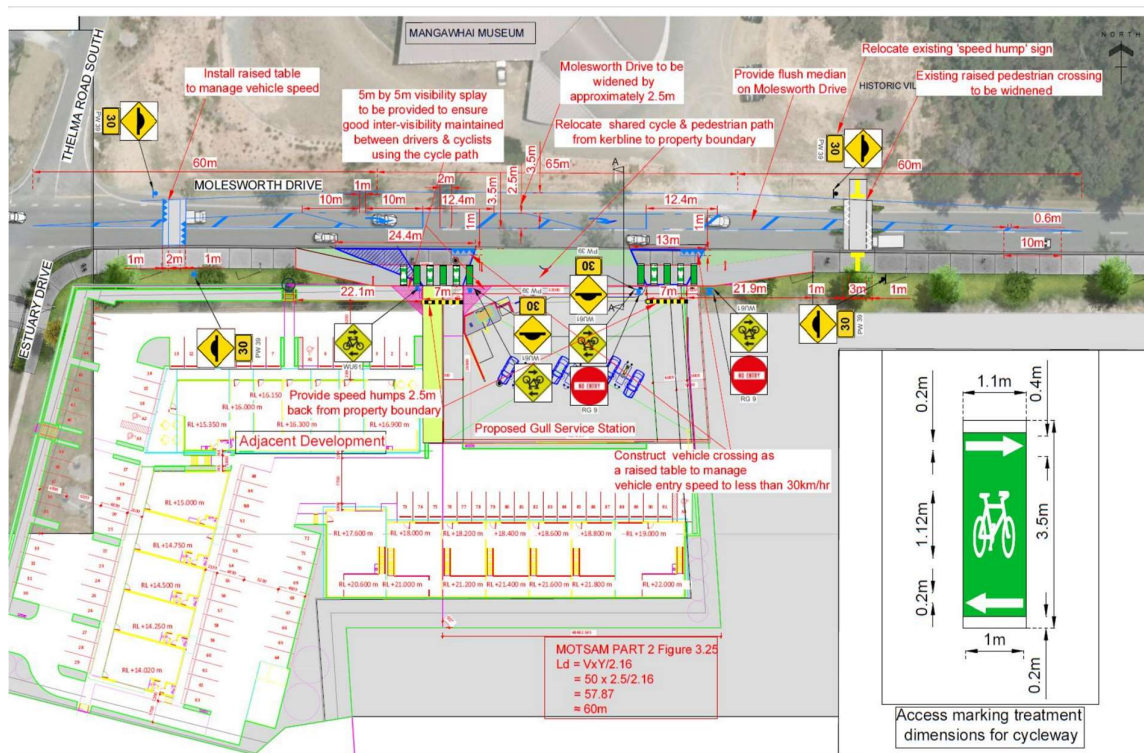


NTA Memorandum			
Council	Kaipara District Council		
Subject	Gull service station – Revoking Segregation Strip outside Lot 1 DP 341981		
Report Date	31/05/2023		
Report Prepared By	Vaishali Sankar - Road Safety and Traffic Engineer	Reviewed by	Andy Brown – Asset Manager
Approved by	Nick Marshall – Road Safety and Traffic Engineer Lead		

Background:

A proposal for a commercial development and a self-service petrol station on Lot 1 DP 341981 was received in July and September 2022 respectively. The site's frontage consists of a Local Purpose Reserve (Segregation Strip) approximately 95m long, vested as part of a subdivision application in 2014 and recently Mangawhai Share Path was constructed along that section. There is an existing vehicle crossing to the site from Molesworth Drive, at the most easterly end of the site. An additional two-way crossing has been proposed on Molesworth Drive, which crosses the Segregation Strip. A formal application to revoke the segregation strip was put forth by Gull NZ Limited, therefore Council's Roding Department (Northland Transportation Alliance, NTA) had engaged Commute Transportation Consultants and NCC Consulting Engineers to undertake a technical review (Report Attached), specifically considering the Traffic and Road Safety effects from the proposal.

Proposed Plan:



Source: Gull Mangawhai additional traffic information (Traffic Planning Consultants)

Problems Identified:

Increased crash risk for active mode users along the Shared Use Path, due to the increased turning movements/ conflict. This risk is twofold; increased traffic flow from the proposed development (trip generation) and introducing a new conflict zone through the proposed additional entry/exit onto Molesworth Drive.

Recommendation:

Staff agree with the recommendations outlined in the technical review and therefore would support the proposed vehicle crossing on Molesworth Drive with following conditions.

1. Proposed western vehicle crossing to be left out exit only, including both legal restrictions and physical controls (traffic island).
2. Provide easements over the local purpose reserve to construct the additional crossing.
3. Provide raised-table pedestrian platforms through both vehicle crossings on Molesworth Drive. This is to minimise the likelihood and severity of potential crashes involving vulnerable road users.
4. Install markings to prioritise shared path users through the two vehicle crossings.
5. Shared use path to be a minimum 3m, and ideally 5m setback from road carriageway. As offered within the proposed plan shown above.

Attachments:

ACCESS TECHNICAL REVIEW 3 GULL SERVICE STATION, MOLESWORTH DRIVE, MANGAWHAI



Prepared by:

Vaishali Sankar



Reviewed by:

Andy Brown



Approved by:

Nick Marshall