

Memorandum – Auckland Transport Stormwater SME input

To:	Nicholas Simpson, Elevate Planning Ltd
From:	Sejal Sangwai, Weir Consulting
Approved By:	James Taylor, Weir Consulting
Date:	20 April 2026
Subject:	The Downtown Carpark Redevelopment – Te Pūmanawa o Tāmaki - BUN60460864

1. INTRODUCTION

This technical memorandum provides comments on the assessment of flooding and coastal inundation effects associated with the Downtown Car Park Site Development Fast Track Approval application, as they relate to the Auckland Transport (AT) road network.

The memorandum is based on a review of the following documents submitted in support of the Fast Track application and specifically considers the effects of the proposed development on flooding and coastal inundation affecting AT roads:

- *Appendix 23: Downtown Car Park Site Development – Flood Hazard and Risk Assessment*, Version 5, dated 7 November 2025; and
- *Addendum 8: Coastal and Flood Addendum Cover Letter*, dated 7 April 2026.

Exclusions:

It is acknowledged that, as part of the resource consent application (reference number BUN60462925), works are proposed to realign the existing retaining wall located along Fanshawe Street, to the south-east of the Downtown Carpark Redevelopment area. However, at the time of this assessment, no information is available to confirm the pre-development flooding and overland flow conditions assuming the retaining wall realignment has been completed. Accordingly, for the purposes of this assessment, the pre-development scenario against which the effects of the proposed development are evaluated excludes the retaining wall relocation and assumes the retaining wall remains in its existing configuration.

2. TECHNICAL ASSESSMENT OF EFFECTS

Flooding and Overland Flow

The assessments identify a very minor increase in flood depths from existing to proposed development conditions under current, 2.1°C, and 3.8°C climate change scenarios. These increases are minor in the context of the existing flooding regime and are not expected to result in any material increase in flood hazard to the Auckland Transport road network.

Coastal Inundation

Roads adjacent to the proposed development are already subject to coastal inundation under existing conditions. The proposed works are not expected to result in any additional adverse effects on the Auckland Transport road network from coastal inundation.

Auckland Transport Position

Overall, the proposed works are not expected to result in any additional adverse effects on the AT road network from either coastal inundation or stormwater flooding perspectives.

Appendix A: Statement of Qualifications

This assessment has been prepared by Sejal Sangwai, Water Infrastructure Engineer at Weir Consulting Engineers Ltd.

I hold a bachelor's degree in civil engineering and has over 5 years' experience in stormwater, flooding, and overland flow assessment associated with urban infrastructure and development projects. I have been involved in providing technical review services as a Stormwater Specialist within Auckland Transport's Design & Standards team. Relevant experience includes providing specialist design advice and technical reviews for Resource Consents, Engineering Approvals, Stormwater Management Plans, Kerb Discharge applications, and Auckland Transport's internal Design Review Process, in accordance with approved scopes and delivery timeframes. This has included peer review of hydraulic and hydrological assessments, particularly for complex water-sensitive design solutions, attenuation systems, and stormwater reticulation networks, reviewing flood modelling reports and flooding and overland flow assessments, as well as the assessment of environmental effects, including whole-of-life performance, opportunities, and associated risks.

A few example projects where I provided similar specialist inputs were Mills Lane and Swanson Street improvements project, Nelson Street Laneway, Wellesley Street Bus Improvements Stage 2, Muriwai Flood Resilience Project, Prelim design for Māngere East Cycle Network Stage-1, Māngere East stormwater solution Stages 2 & 3.

I confirm that I have read the Environment Court Practice Note 2023 – Code of Conduct for Expert Witnesses (Code), and have complied with it in the preparation of this memorandum. I also agree to follow the Code when participating in any subsequent processes, such as expert conferencing, directed by the Panel. I confirm that the opinions I have expressed are within my area of expertise and are my own, except where I have stated that I am relying on the work or evidence of others, which I have specified.