

ANNEX

Drainage Improvement Works along Siglap Canal



An existing stretch of Siglap Canal (left) will be expanded (right) to handle greater rainfall intensity, while creating more community spaces. (Credit: PUB)

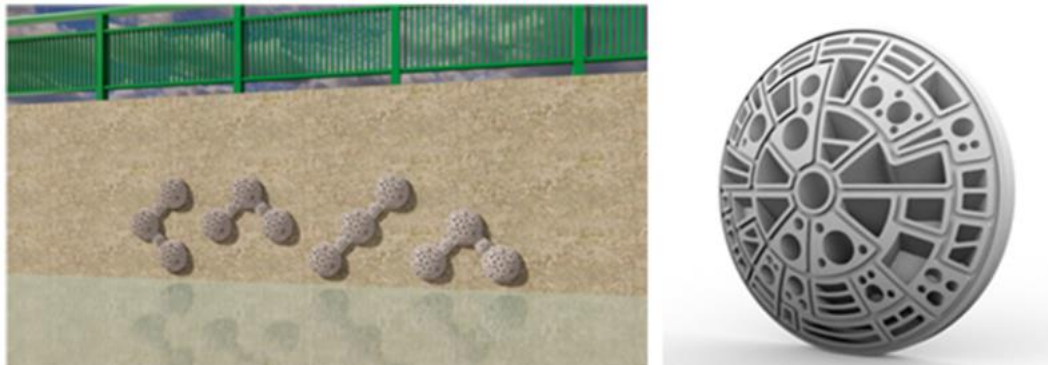
Project Overview

Since May 2023, PUB has been upgrading a 420-metre stretch of Siglap Canal between Marine Parade Road and East Coast Park Service Road. The canal is being widened from 20 metres to 30 metres and deepened by approximately 1.5 metres, increasing its capacity to convey 60% more stormwater. This is part of PUB's infrastructure upgrading efforts to enhance flood resilience in the surrounding areas. The expansion requires widening both the open drain along a segment of the park connector and the box culvert under the East Coast Parkway (ECP) and East Coast Park Service Road. Foundation works are being carried out to ensure stability of nearby structures. Ground improvement works using jet grouting are in progress to stabilise the soil for safe excavation. Traffic along the ECP is being diverted in seven stages, with two completed as of November 2025. The project is expected to complete by November 2027.

Creating Community and Environmental Value

Beyond flood protection, PUB is enhancing the canal with Active, Beautiful, Clean Waters (ABC Waters) design features such as rain gardens, additional greenery, and

a wellness deck with shelters and fitness equipment. These improvements will enhance the Siglap Park Connector Network and create vibrant community spaces.



*Renderings of the biodiversity tiles in Siglap Canal
(Credit: NUS)*

In addition, PUB is collaborating with the National University of Singapore's Experimental Marine Ecology Lab to install biodiversity tiles on the canal walls. These tiles mimic natural habitats and support marine life, while maintaining the canal's stormwater management function. The effectiveness of these tiles will be monitored in a trial beginning in 2028.

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