

## **Annex B: How the Syed Alwi Pumping Station works**

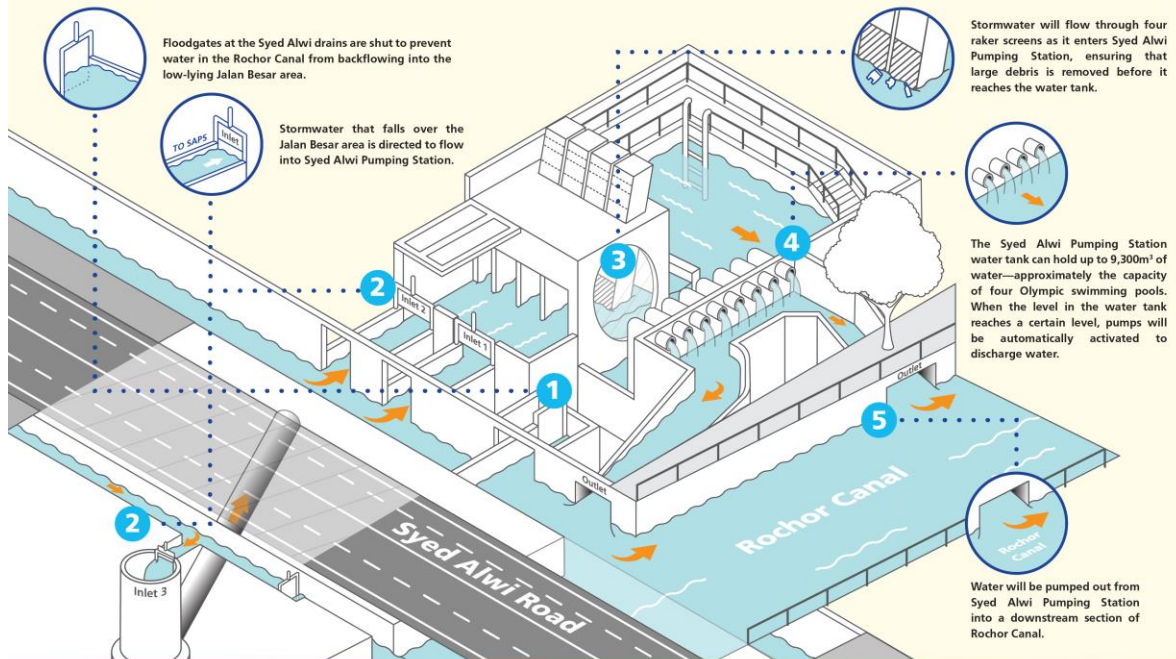
The SAPS operates with two floodgates - one at the outlet drain in front of the SAPS and another at the roadside drain along Syed Alwi Road.

The floodgate at the roadside drain along Syed Alwi Road is kept shut to prevent stormwater in the Rochor Canal from backflowing into the low-lying Jalan Besar area. Stormwater that falls over the Jalan Besar area is then directed to flow through three water inlets into SAPS. Before entering the main underground storage tank, stormwater passes through raker screens that remove debris. The tank can hold 9,300 cubic metres of stormwater, equivalent to approximately four Olympic swimming pools.

Once water level in the tank reaches 4.5 meters, the main pumps are activated to drain the water up, back into the downstream section of Rochor Canal. The SAPS thus controls the water levels upstream of Rochor Canal and reduces flood risk in the low-lying area.

## HOW THE SYED ALWI PUMPING STATION WORKS

In the Jalan Besar and Little India areas, where conventional drainage upgrading methods are not possible, the Syed Alwi Pumping Station offers a practical and tailored solution. Its system of pumps and floodgates works together to reduce flood risks.



*Credit: PUB*