

### 6.3.4 Water-conscious building standards

- Apply building standards to minimise water use



#### **Mineral Water Back Wash Collection System at GF Northwest Building**

Bask Washing Method is the cleaning of filter system by reversing the flow of water to remove any debris, build-up, and contaminants and vice versa to clean the pipeline towards the product/treated tank, before conduct of water station normal operation.

- On every start of operation of the water station. A scheduled pre-operation procedure is needed to be accomplish and that is the back-wash treatment. It removes sediments and contaminants gathered in the filtration system before proceeding to normal run of treating raw water to be potable and safe to drink. This is done 2 to 3 times to make sure that water coming out of the system is free from contaminant.
- Currently, the backwash treatments are scheduled every Monday, Wednesday and Friday before start of each operation. This may vary for best practice depending on the production rate at a basis of for every 150 jugs (5 gallons or 19 liters per jug) or every 750 gallons.
- The wastewater from the procedure will be collected in a recycling tank (1 cu. m) that can be used for non-potable purpose, e.g. watering of landscapes and gardens.

Note: Before performing back-wash procedure make sure that initial rinsing of the collection drain pipe shall be performed first before closing the valve located outside the water station and proceeding with the back wash waste water collection.



1. From the raw water tank back washing procedure Bleeding of water (going out of the system) and Feeding of water through the filtering system and letting it flow for 5 minutes

Mineral Water Station at Ground Floor West



2. Back wash bleeding is diverted to the collection drain pipe to the collection tank located outside the water station and then accessed for use through the supply faucet shown in figure 4



3. Supply pipe to the faucet



Water collected is use to water plants at North Landscape Areas.