6.3.4 Water-conscious building standards

- Apply building standards to minimise water use

Rain Water Harvesting System at YIC Building (Left side)

Rainwater Harvesting is the process of collecting rainwater from surfaces in which rain falls, filtering it and storing it for multiple uses. Rainwater harvesting helps put the supply of water back to normal levels or merely conserve water coming from water providers such as Maynilad and MWSS. It is the collection and storage of water from surfaces that rain has fallen upon. Taking most advantage of the climate and weather condition of a location.

- We have on site an existing rain water harvesting system that has a collection tank with a capacity of 1 cubic meter or 1,000 liters located at the YIC building.
- For every rain, water is collected from the roof to the gutter.
- Rainwater is filtered with a screen to prevent any contaminant such as leaves to enter the drain pipe.
- Rainwater passes through the pipe and enters the collection tank where it will be stored and treated if needed.
- An output faucet is installed right in front of the YIC building where rainwater may be used for irrigating the landscape and plants in the area.

ACTUAL IMAGE SHOWING PROCESS OF RAINWATER COLLECTION

Collection of rainwater begins from the surface of the roof through the gutter, pipeline and into the collection tank.

From the collection tank water will then flow through the supply pipe located in front of the building

Supply pipe running downward to the front porch faucet.

With the system the school was able to reduce consumption of water used in watering the plants and landscape.

Landscape at façade of the YIC building

Trees and plants near entry gate