

Zero Irrigation System

GREENING
AND WATER
SAVING

The Zero Irrigation System (ZIS) collects and stores rainwater in retention boxes beneath the planting area for plant irrigation through root absorption. ZIS has been adopted in planters of appropriate location and size in all new public housing projects since 2016. The installation of ZIS was completed at 36 housing estates by end of 2022/23.

We continue to adopt a wider application of the system with various configurations, such as applying ZIS on the green roof of Wui Chi House, Tung Wui Estate in 2020. After two years of monitoring during maintenance period, the plants grew well without the use of potable water for irrigation, and achieved the expected design goal. We will continue to optimize the design so that the system will harmoniously integrate with the landscape design and greening.



Green roof at Wui Chi House of Tung Wui Estate with ZIS application

