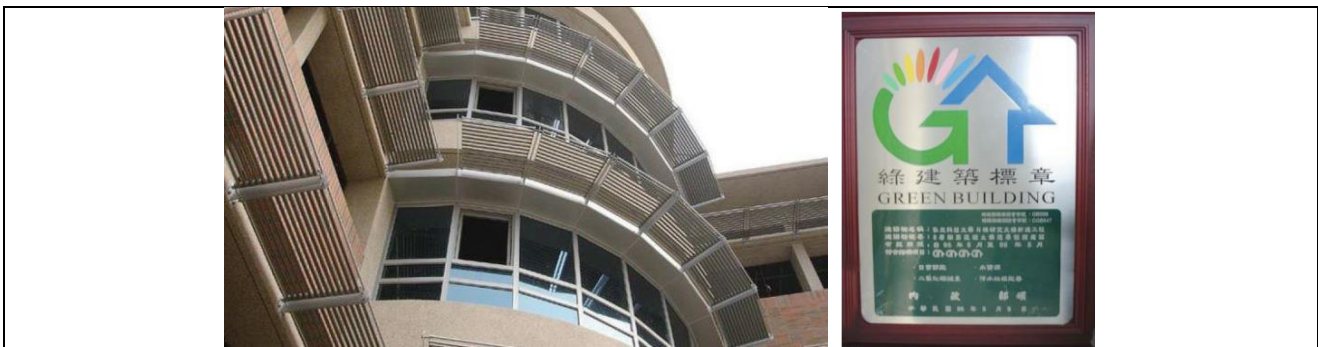


Hungkuang University and The Sustainable Development Goals

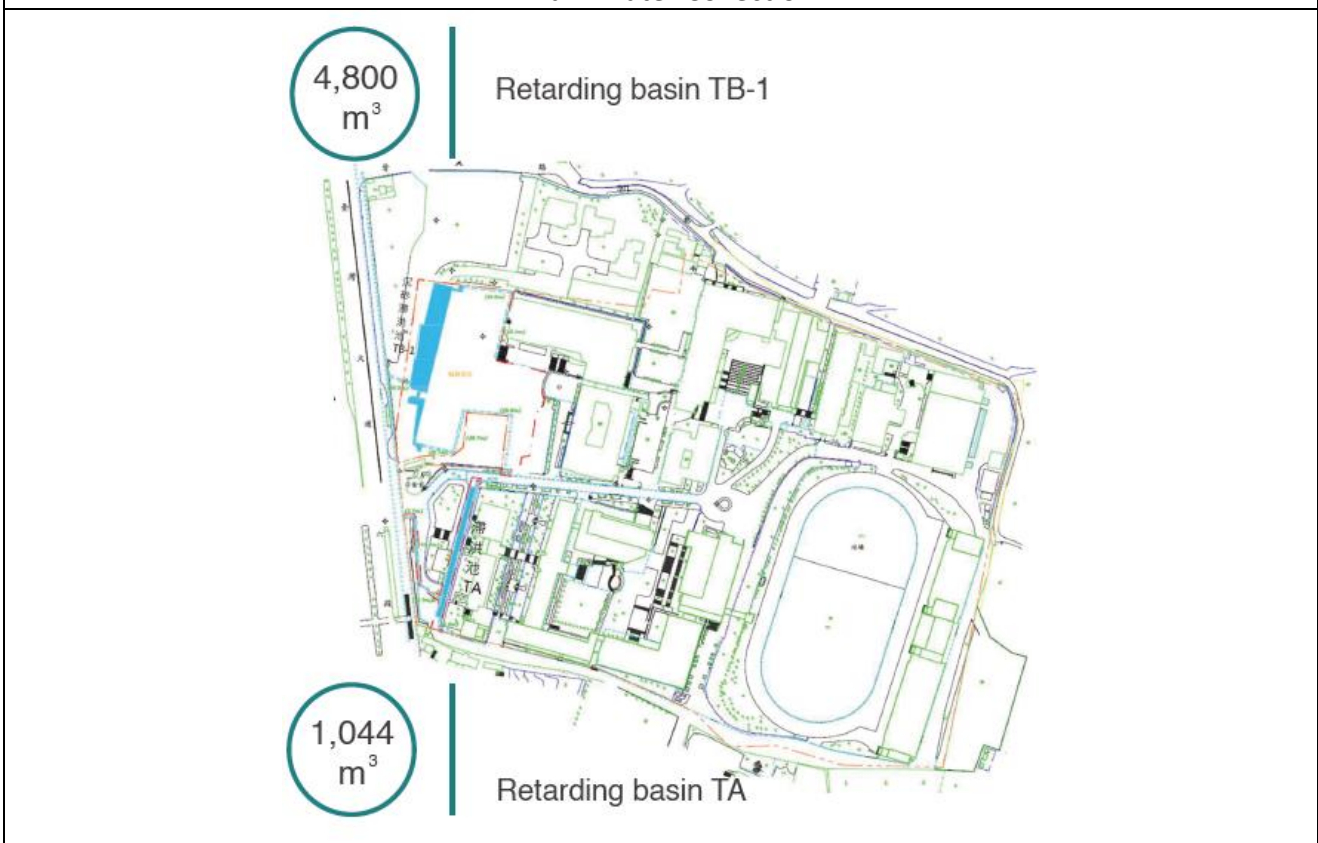
SDGs 6. Clean Water and Sanitation

[6.3] Water usage and care

[6.3.4] Water-conscious building standards



1.Rain Water Collection



2.Flood detention and water conservation

Description:

1.The building N of the University of Hungkuang have a rainwater recycling system on the roof to recover rainwater for landscape watering. According to the annual rainy season, the rainfall can replace some of the tap water demand and play a water-saving effect.

2.There have often been disasters caused by heavy rains in a short period of time due to abnormal climate in recent years. To alleviate the sewer system, Hungkuang University built its own retarding basin in the newly



built student dormitory building. Rainwater storage and permeable water retention facilities measured 5,844 cubic meters (about 2.6 standard swimming pools with a length of 50 meters). This could slow down heavy rainfall that burdened downstream drainage. Ensured the safety of people's lives and properties. The functions included flood detention, water conservation, and planting on normal time.

To achieve the goal of saving water, measures have been implemented including:

1. Constructed water recycling facilities to reduce the dependence on primitive water and to explore new water resources, including:

✓Rainwater recovery facilities: Presently, a rainwater recovery system on the roof of Building N has been set up. The main purpose was to irrigate the surrounding plants.

✓A/C condensate recovery facility: Presently, the recovery of A/C condensate in the building M has been completed. The use of it was to water the plants around the building N.

1. Water-saving equipment was fully installed, and 1,453 water-saving equipment was replaced in total.

2. Posted water-saving slogans to publicize water conservation.

3. Water-free urinals were installed. Presently, 36 water-free urinals have been installed in Building P and Building L. Neither water nor electricity needed, each of them could save about 150,000 liters of water a year.

4. Implemented leak detection of water pipes on campus, five leaks found and fixed in total.