Our VISION is to provide world-class wastewater and stormwater drainage services enabling the sustainable development of Hong Kong.
Most of the existing drainage systems of the lower catchment of Northern Hong Kong Island were built decades ago. The protection standards are no longer adequate to cope with the requirement of rapid urbanization and changes in land use over the years. During heavy rainstorms, huge flows run along paved areas and down to the low-lying urban areas, causing floods and disturbance to traffic and business.

The traditional approach to improve the drainage systems in urbanized areas is to enlarge the existing drainage system or construct additional drains. However, this will require extensive road openings in busy roads causing serious traffic disruptions and environmental nuisances. A drainage tunnel scheme is considered to be a better approach to intercept the surface runoff in mid-hill for discharge into the sea without passing through the downstream drainage systems. This will greatly reduce the extent of pipe-laying works and relieve the flood hazard in the downstream built-up areas.
The Hong Kong West Drainage Tunnel is a government’s major initiative to relieve the flooding problem in Northern Hong Kong Island. It consists of a main tunnel to be built deep underground in Mid-levels extending from Tai Hang to Pokfulam. It will collect and divert surface runoff from the upper catchment of Northern Hong Kong Island via 34 planned intakes to the sea near Cyberport.
Main Drainage Tunnel

The main drainage tunnel is about 11 km in length and 6.25m to 7.25m in diameter. It will be constructed at generally 100m below ground. The main excavation works will be carried out mainly by using a Tunnel Boring Machine and the majority of the construction works will be carried out underground.
34 intakes are planned along the tunnel catchment area to intercept stormwater flow from major stream courses and/or underground pipes. The intercepted flow is then diverted through drop shafts to the main tunnel. A total of about 8km associated connection adits will be built.
MAJOR BENEFITS

- Relieve the flooding problem in the Northern Hong Kong Island, in particular the low-lying areas along Central, Sheung Wan and Wan Chai
- Raise the overall flood protection level
- Reduce potential risk of damage to life, property and economy during heavy rainstorm
- Minimize disturbance to the public during construction

ENQUIRY

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