Our VISION:
To provide world-class wastewater and stormwater drainage services enabling the sustainable development of Hong Kong

Our VISION:
提供世界級的污水和雨水處理排放服務，以促進香港的可持續發展

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彼氏 exercising and stormwater drainage services enabling the sustainable development of Hong Kong
Most of the existing drainage system of the lower catchment in Sham Shui Po, Cheung Sha Wan and Lai Chi Kok 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 government has carried out a number of urban drainage improvement works in these areas to tackle the flooding problems. However, the overall drainage systems are still inadequate to meet the required flood protection standard. 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 hinterland runoff in Sham Shui Po, Cheung Sha Wan and Lai Chi Kok for discharge into the sea without passing through the downstream drainage system. This will greatly reduce the extent of pipe-laying works and relieve the flood hazard in the downstream built-up areas.
The Lai Chi Kok Tunnel Scheme is a major initiative of the Government to relieve the flooding problem in West Kowloon. It comprises the construction of a drainage tunnel deep into the ground from Chak On Estate via the former Wai Man Tsuen to Victoria Harbour near Stonecutters Island to intercept and convey the stormwater from the upper catchments directly to the sea.
In this Project, the lengths of the Main and Branch Tunnels are 1.2km and 2.5km respectively with diameter of 4.9m. Constructed at generally tens of metres below ground, the excavation works will be carried out mainly by using Tunnel Boring Machine. However, some adits and shaft will be constructed by drill and blast method.
Six intakes are planned alongside Ching Cheung Road to intercept stormwater flow from major stream courses and underground pipes. The intercepted flow is then diverted through drop shaft to adit and branch tunnel and then further transferred to the main tunnel.
MAJOR BENEFITS

- Relieve the flooding problem in Sham Shui Po, Cheung Sha Wan and Lai Chi Kok, in particular the low-lying areas
- Raise the overall flood protection level
- Reduce potential threat to life, financial, economical losses during heavy rainstorms

ENQUIRY

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