

## Traffic Study for Water Supplies Department (WSD)

The Water Supply Department (WSD) has carried out an Underground Asset Management Plan (UMP) in which 3,000 km of water mains in Hong Kong territory are recommended to replace and rehabilitate in stages in order to prevent further deterioration of the water supply networks. Under WSD's requirement for the replacement and rehabilitation works, MVA prepared Traffic Impact Assessment for the stage 2 project areas (New Territories East and West, Hong Kong and islands) to investigate the feasibility to carry out the proposed utility works in the affected areas, and to propose cost and effective traffic mitigation measures to allow for design and construction of the proposed water main alignments.

### CE1/2005(WS) Replacement and Rehabilitation of Water Mains Stage 2 Mains in New Territories West Investigation, Design and Construction

- ▶ Total Length of Water Mains to be replaced and rehabilitated: 250km
- ▶ Water Main Diameters: Ranging from 25mm to 900mm
- ▶ Areas to be affected by the proposed works: New Territories West (including Tuen Mun Town Centre, Tai Hing, Tuen Mun South, Ping Shan, Hung Shui, Kiu, Yuen Long Kau Hui, Yuen Long South, Long Ping, Kam Tin, Pat Heung, Yuen Kong, Shek Kong, Ngau Tam Mei, Mai Po, San Tin, Chau Tau, and Kwu Tung)

### CE3/2005 (WS) Replacement and Rehabilitation of Water Mains Stage 2 Mains in Hong Kong and Islands Investigation, Design and Construction

- ▶ Total Length of Water Mains to be replaced and rehabilitated: 130km
- ▶ Water Main Diameters: Ranging from 25mm to 1200mm
- ▶ Areas to be affected by the proposed works: Hong Kong Island (including Pokfulam, Kennedy Town, the Peak, Central, Wan Chai and Causeway Bay, North Point, Quarry Bay, Shau Kei Wan, Chai Wan, Kong Sin Wan, Wan Fu, Aberdeen, Ap lei Chau,

Shouson Hill, Shek O, Tai O), Lantau East, and Cheung Chau.

### CE6/2005 (WS) Replacement and Rehabilitation of Water Mains Stage 2 Mains in New Territories East Investigation, Design and Construction

- ▶ Total Length of Water Mains to be replaced and rehabilitated: 170km
- ▶ Water Main Diameters: Ranging from 25mm to 1200mm
- ▶ Areas to be affected by the proposed works: New Territories East (Including Beacon Hill, Pak Shek, Tai Wai, Sheung Wo Chi, Yuen Chau Kok, Siu Lek Yuen, Fo Tan, Tai Po Kau, Ma Liu Shui, Tai Po, Tai Po Kau, Fung Yuen, Lam Tseun Valley, Wai Tau Tsuen Che Tei, Lun Wo Hui, Wo Hop Shek, Tong Kung Leng, Lin Tong Mei, Ying Pun, Sheung Shui, Kwu Tung, Lo Wu, Man Kam To, Hok Tau Pei)



#### Note :

The above quoted figures are indicative only.

#### MVA Head Office in Asia

26/F China Resources Building  
26 Harbour Road  
Wanchai Hong Kong

Tel : (852) 2529 7037  
Fax : (852) 2527 8490  
mva@mva.com.hk  
www.mvaconsultancy.com

