

NOTE FOR PUBLIC WORKS SUBCOMMITTEE OF FINANCE COMMITTEE

Supplementary Information on 227WF – Mainlaying between Au Tau treatment works and Yuen Long Town – remaining works

INTRODUCTION

In considering PWSC(2002-03)23 on **227WF** at the Public Works Subcommittee meeting held on 22 May 2002, Members requested the Administration to provide supplementary information on whether the site areas of the proposed works would be susceptible to flooding, and if so, what measures the Administration would take to prevent further aggravation of flooding problem during implementation of the proposed works.

THE ADMINISTRATION'S RESPONSE

2. The part of **227WF** that we now propose to upgrade to Category A comprises the laying of about 1 070 metres of fresh water mains of 1 400 millimetres (mm) in diameter along the proposed Road L4 and the existing Ma Tong Road and Ma Tin Road in Yuen Long. The Director of Territory Development will incorporate these mainlaying works in his projects **27CG** “Yuen Long south eastern extension – site formation, roads and drainage works” and **28CG** “Yuen Long south western extension – site formation, roads and drainage works”.

3. The site areas of the proposed works form part of a low-lying plain. Records have shown that the site areas had flooded on a number of occasions. To prevent flooding during construction stage, the contractors will, before commencement of the works, identify potential areas of flooding and propose measures to protect the existing infrastructure, including domestic dwellings, factories and pavement adjacent to the main drainage channel and tributaries, from flooding. These measures include the use of pumps, shut boards and sandbags

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which can drain away and prevent influx of floodwater. An independent engineer will check and endorse the proposed measures together with the hydraulic calculations verifying their effectiveness before the measures are submitted to the Administration for approval. The above flood protection measures should be able to withstand rainstorms with a return period of one in 10 years¹.

4. In addition, we have also specified in the contract flooding prevention measures during the contract period. For example, the contractors are required to use pipe jacking method, instead of open cut method, in laying the 1 400 mm water main across Ma Tong Road Nullah to avoid adverse impact on the flow capacity of the nullah.

5. During implementation of the works, the contractors will ensure the effective and continual operation of the flood protection measures. They will provide 24-hour standby service for coping with possible flooding events whenever the Amber Rainstorm Warning Signal or above is issued.

Works Bureau
June 2002

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¹ “Return period” means the average number of years during which a certain severity of flooding will occur once, statistically. A longer return period means a rarer chance of occurrence of a more severe flooding.