

NOTE FOR PUBLIC WORKS SUBCOMMITTEE OF FINANCE COMMITTEE

Supplementary Information on 46WS – Uprating of Sha Tin salt water supply system

INTRODUCTION

In considering the paper referenced PWSC(2007-08)55 on **46WS – “Uprating of Sha Tin salt water supply system”** at the Public Works Subcommittee meeting on 22 November 2007, Members requested the Administration -

- (a) to liaise with the Leisure and Cultural Services Department (LCSD) on the possibility of developing leisure and community facilities on the roof-tops of Ma On Shan No. 3 and To Shek salt water service reservoirs; to review and enhance the design of the project with a view to providing more greening works and to provide a plan showing the design of salt water service reservoirs; and
- (b) to provide details on the existing and anticipated supply and demand of flushing water of Sha Tin and Ma On Shan areas, with breakdown by the existing capacity of the Sha Tin seafront salt water pumping station, the additional capacity provided under **46WS** or other advance works projects.

THE ADMINISTRATION’S RESPONSE

2. As regards (a), we have been liaising with LCSD and other relevant government departments since the design stage on potential recreational use of the roof-tops of the proposed salt water service reservoirs. The potential use includes, for example, soccer pitch or amenity area. The reservoir roof structure has been designed to cater for future recreational use. As part of **46WS**, the roof-tops of the proposed salt water service reservoirs will be planted with shrubs/hydroseeded before the recreational use is identified (see photomontages at Enclosures 1 and 2).

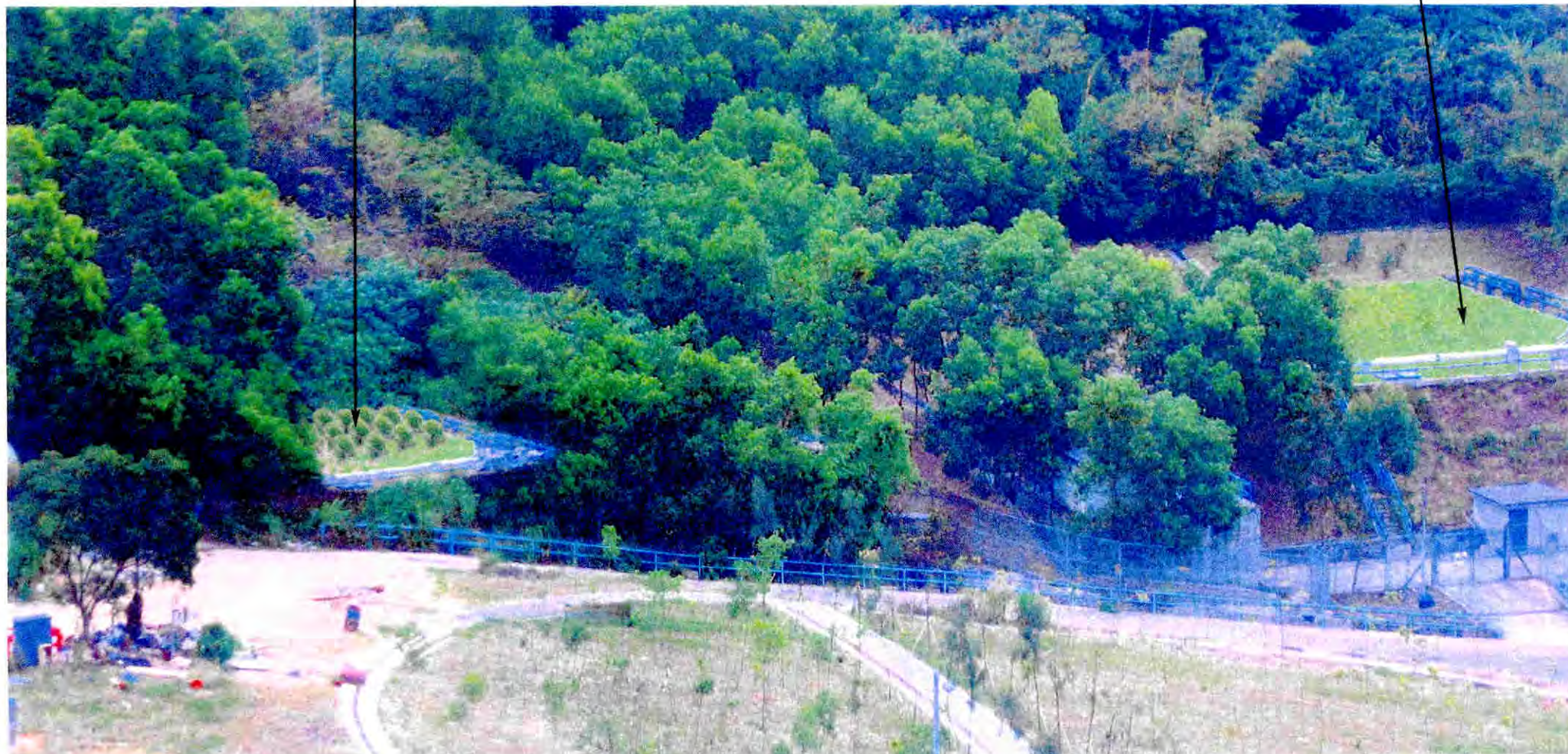
/3.

3. As regards (b), a table showing the existing and anticipated salt water demand in Sha Tin and Ma On Shan areas, with breakdown by the existing and proposed total pumping capacity of the Sha Tin seafront salt water pumping station is at Enclosure 3. In estimating the future demand, we have allowed for contingency and surge loading required for pumping station due to fluctuations of salt water flushing at different periods each day.

Development Bureau
December 2007


擬種植在馬鞍山三號海水配水庫頂之灌木
PROPOSED SHRUB PLANTING ON TOP OF
MA ON SHAN NO. 3 SALT WATER SERVICE RESERVOIR

現有的馬鞍山及馬鞍山二號海水配水庫
EXISTING MA ON SHAN AND MA ON SHAN NO. 2
SALT WATER SERVICE RESERVOIR



擬建的馬鞍山三號海水配水庫
PROPOSED MA ON SHAN NO. 3 SALT WATER SERVICE RESERVOIR

工務計劃項目第046WS號 — 沙田海水供應系統提升工程
P.W.P. Item no. 046WS — Upgrading of Sha Tin salt water supply system

 水務署
WATER SUPPLIES DEPT.

附件 1 ENCLOSURE 1

現有的多石食水配水庫
EXISTING TO SHEK FRESH WATER
SERVICE RESERVOIR

多石海水配水庫頂之擬植草地帶
PROPOSED HYDROSEEDING ON TOP OF
TO SHEK SALT WATER SERVICE RESERVOIR



擬建的多石海水配水庫
PROPOSED TO SHEK SALT WATER SERVICE RESERVOIR

工務計劃項目第046WS號 — 沙田海水供應系統提升工程
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 水務署
WATER SUPPLIES DEPT.

附件 2 ENCLOSURE 2

**Salt water demand in Sha Tin and Ma On Shan areas, and
pumping capacity of Sha Tin seafront salt water pumping station**

| | Existing demand | Anticipated demand | | |
|---|--|---|--|--|
| Mean salt water demand in Sha Tin and Ma On Shan areas (m ³ /day) | 72 000 | 84 000 | | |
| Design capacity of Sha Tin seafront salt water pumping station with allowance for fluctuation and contingency (m ³ /day) | | | 112 000 | |
| | Capacity after interim uprating | Additional capacity under 46WS | Total capacity provided | |
| Sha Tin seafront salt water pumping station (m ³ /day) | 95 000 ⁽¹⁾ | 17 000 | 112 000 | |

Note:

- (1) Advance work is being carried out to replace the four aged pumps at an estimated cost of \$9.85 million. We will charge this amount to block allocation **9100WX** "Waterworks, studies and investigation for items in Category D of the Public Works Programme". Upon completion by end 2008, the uprated pumping capacity will be increased from 86 000 m³/day to 95 000 m³/day