

For information

**LEGISLATIVE COUNCIL PANEL
ON PLANNING, LANDS AND WORKS**

236CL - Tai O Development, Package 4, Stage II engineering works

PURPOSE

This paper informs Members of our proposal to construct a sheltered boat anchorage (SBA) area and a mangrove replanting area at Tai O.

PROJECT SCOPE AND NATURE

2. We propose to carry out the following works -
 - (a) construction of an SBA area of about 4 hectares including a breakwater of about 350 metres and associated marine access channels;
 - (b) construction of a promenade of about 0.2 hectare on pile deck structure with landing steps;
 - (c) formation of about 7 hectares of inter-tidal area and implementation of associated engineering works for mangrove replanting;
 - (d) restoration of the existing historic seawall of about 630 metres with provision of a pedestrian link;
 - (e) formation of about 0.2 hectare of land for a future bus terminus adjacent to Tai O Road;

- (f) implementation of environmental monitoring and mitigation measures; and
- (g) employment of consultants to conduct independent audit of environmental monitoring, construction supervision and completion certification.

A site plan showing the proposed works is at Enclosure. We plan to commence the construction works in December 2002 for completion in June 2005.

JUSTIFICATION

Construction of a sheltered boat anchorage

3. Tai O is a historical base for fishing boats in the western approaches of Lantau Island and Pearl River Estuary. Tai O Rural Committee and local villagers have long expressed their needs for an SBA area in Tai O. In the boat survey conducted in March 2001, we found that the number of fishing vessels homing at Tai O was 103. These vessels require a safe shelter, especially during passage of typhoons. Provision of an SBA area in Tai O is essential on marine safety grounds. The proposed SBA area of about 4 hectares will provide a sheltered basin for about 110 fishing vessels which comprise mainly small to medium-sized vessels from 3 to 28 metres in length. We will also provide a promenade of about 0.2 hectare on pile deck structure with landing steps near the proposed SBA.

Provision of mangrove replanting area

4. We need to provide a mangrove replanting area to compensate for the loss of mangroves as a result of the construction of the Chek Lap Kok airport and the associated development on the north shore of Lantau. The mangrove habitat to be created will enhance the ecology of the area by providing feeding and nursery grounds for a wide range of inter-tidal animals, which in turn will benefit other terrestrial and aquatic wildlife.

Restoration of historic seawall

5. The existing seawall built before 1920 has suffered considerable damage due to wave action. We will reconstruct the seawall to protect the mangrove area from direct attack by waves and pollutants. We will also make use of the opportunity to install railings on the seawall so that the public could safely walk on the seawall through the promenade linking the bus terminus. In order to preserve the original outlook of the historic seawall, we will salvage the old seawall blocks for use as facing stones. The restored seawall together with the mangrove habitat will become valuable attributes of Tai O for visitors who are interested in eco-tourism and cultural heritage.

PUBLIC CONSULTATION

6. We gazetted the project under the Foreshore and Seabed (Reclamations) Ordinance (FS(R)O) on 1 December 2000. A total of 21 objections, including 8 objectors with no contact details, were received mainly on grounds of the size and location of the SBA area and its impacts on the nearby mangrove planting. We met with some of the objectors and revised the scheme of the project with a view to resolving the objections. Ten objectors subsequently withdrew their objections. The other three objections remained unresolved. On 12 March 2002, the Chief Executive in Council overruled the objections and authorised the revised scheme.

7. We also consulted the Tai O Rural Committee (TORC) and the Island District Council (IsDC) on 21 September 2001 and 15 October 2001 respectively. Members of TORC and IsDC supported the revised scheme.

ENVIRONMENTAL IMPLICATIONS

8. The project is designated under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance and an environmental permit is required for the construction and operation of the project. In July 2000, the EIA report for the project was approved under the EIA Ordinance. The EIA report concluded that the environmental impact arising from the project could be controlled to within established standards and guidelines through the implementation of the recommended mitigation measures. The key measures include the use of quiet plant for noise control, restricting the number of grab dredgers and the potential use of silt curtain for water quality control. We shall implement measures recommended in the approved EIA report and implement environmental monitoring and audit programme to ensure compliance with the EIA recommendations.

WAY FORWARD

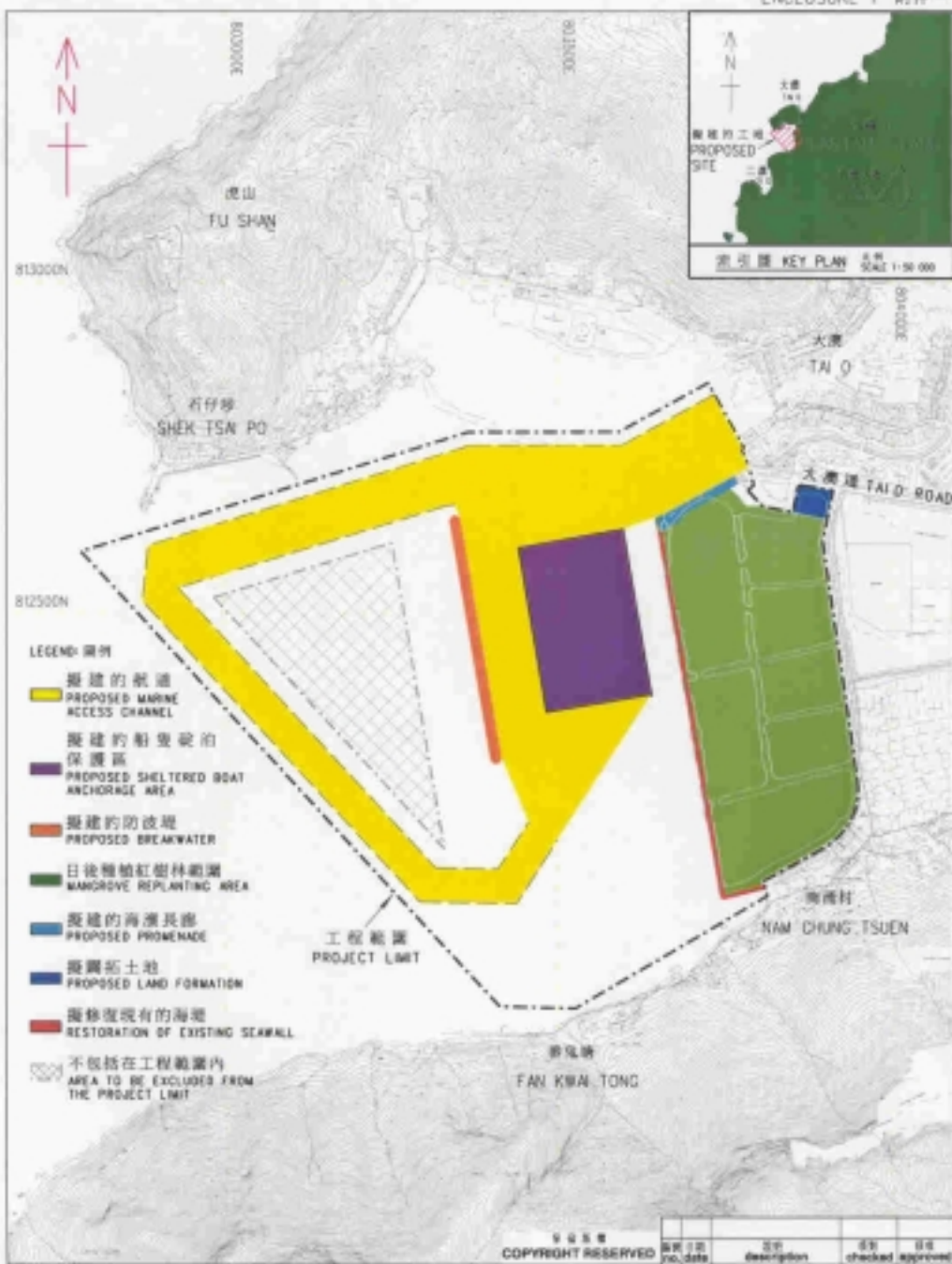
9. The detailed design of the proposed works was substantially completed in August 2002. We plan to submit the proposal to the Public Works Sub-committee for upgrading this project to Category A (at an estimated cost of \$289.3 million in money-of-the-day prices) in November 2002.

10. We would be pleased to brief Members on the details of the project if necessary.

ATTACHMENT

Enclosure - Plan No. PMB 92 "Tai O Development, Package 4, Stage II Engineering Works"

Civil Engineering Department
October 2002



- LEGEND 圖例
- 擬建的航道
PROPOSED MARINE ACCESS CHANNEL
 - 擬建的船隻碇泊保護區
PROPOSED SHELTERED BOAT ANCHORAGE AREA
 - 擬建的防波堤
PROPOSED BREAKWATER
 - 日後種植紅樹林範圍
MANGROVE REPLANTING AREA
 - 擬建的海濱長廊
PROPOSED PROMENADE
 - 擬填拓土地
PROPOSED LAND FORMATION
 - 擬修復現有的海堤
RESTORATION OF EXISTING SEAWALL
 - 不包括在工程範圍內
AREA TO BE EXCLUDED FROM THE PROJECT LIMIT

<p>工程項目 工務計劃項目第 236CL 號 PWP ITEM No. 236CL</p> <p>大澳發展第四組第二期工程 TAI O DEVELOPMENT, PACKAGE 4, STAGE II ENGINEERING WORKS</p>		<p>© 版權保留 COPYRIGHT RESERVED</p>		<p>圖號 / 日期 drawing no. / date</p>	<p>描述 description</p>	<p>核對 checked</p>	<p>批准 approved</p>		
		<p>designer</p>	<p>name</p>	<p>initial</p>	<p>日期</p>	<p>date</p>	<p>drawing no. 236CL PMB 92</p>	<p>比例 scale</p>	<p>1:7500 OR AS SHOWN</p>
<p>office 工務工程處 工程管理處 PROJECT MANAGEMENT BRANCH CIVIL ENGINEERING OFFICE</p>		<p>designed Y. N. NG</p>		<p>drawn K. H. TONG</p>		<p>checked Y. N. NG</p>		<p>approved K. S. HONG</p>	
<p>DATE / NAME / NO.</p>		<p>CIVIL ENGINEERING DEPARTMENT HONG KONG</p>		<p></p>		<p>210 x 297</p>			