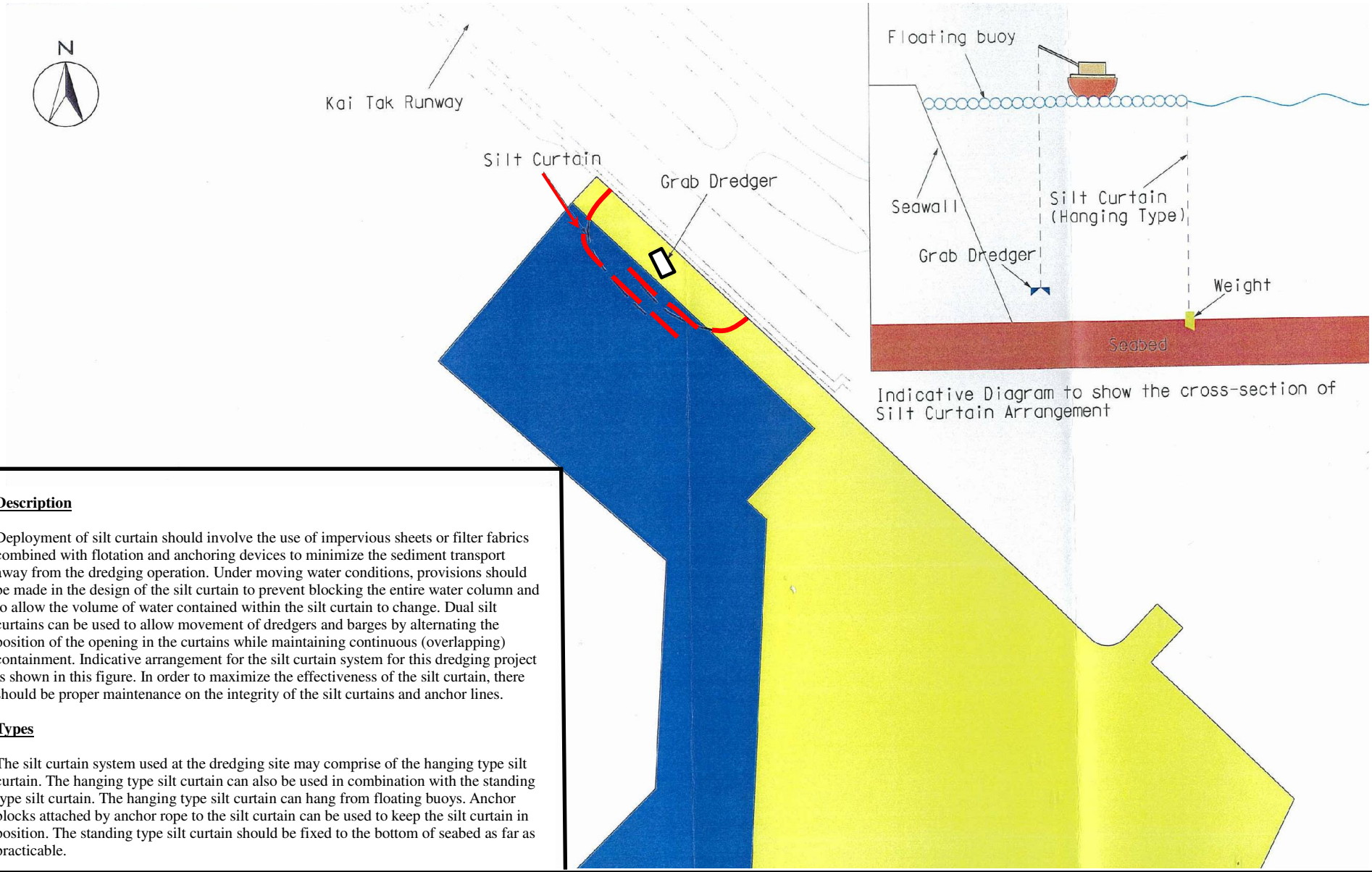

Description

Deployment of silt curtain should involve the use of impervious sheets or filter fabrics combined with flotation and anchoring devices to minimize the sediment transport away from the dredging operation. Under moving water conditions, provisions should be made in the design of the silt curtain to prevent blocking the entire water column and to allow the volume of water contained within the silt curtain to change. Dual silt curtains can be used to allow movement of dredgers and barges by alternating the position of the opening in the curtains while maintaining continuous (overlapping) containment. Indicative arrangement for the silt curtain system for this dredging project is shown in this figure. In order to maximize the effectiveness of the silt curtain, there should be proper maintenance on the integrity of the silt curtains and anchor lines.

Types

The silt curtain system used at the dredging site may comprise of the hanging type silt curtain. The hanging type silt curtain can also be used in combination with the standing type silt curtain. The hanging type silt curtain can hang from floating buoys. Anchor blocks attached by anchor rope to the silt curtain can be used to keep the silt curtain in position. The standing type silt curtain should be fixed to the bottom of seabed as far as practicable.

Project Title - Dredging Works for Proposed Cruise Terminal at Kai Tak
工程名稱 - 擬議啓德郵輪碼頭的挖泥工程

Environmental Permit No. : EP-284/2008
環境許可證編號： EP- 284/2008

Figure 2 - Indicative Silt Curtain Arrangement
圖二 - 隔泥幕佈置示意圖