

DRAINAGE CHANNEL DESIGN

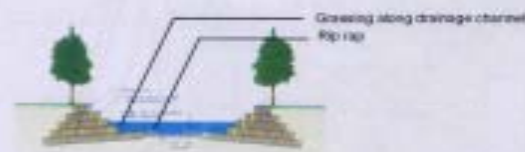
LANDSCAPE MITIGATION MEASURE 1: Gabions with Pits for Riparian Vegetation

Gabions with Pits for Riparian Vegetation



Drainage channel showing planting in channel edge

Proposed Mitigation



Dry Condition



Flooded Condition



OPTION: Drainage channel with grassing along edge

Dry Condition



Flooded Condition



OPTION - Drainage channel with gabion which will allow grass and seasonal vegetation to establish.

LANDSCAPE MITIGATION MEASURE 2: Rip-rap and Riffles Treatment to Channel Base

Conventional Proposal

Drainage Channel with concrete lining -unsightly



Proposed Mitigation



Dry Condition



Flooded Condition



OPTION: Drainage Channel with rip rap



Examples showing rip rap drainage channel



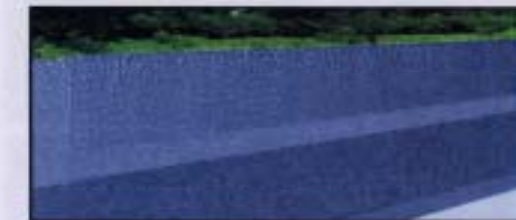
Weir construction at specific locations.

LANDSCAPE MITIGATION MEASURE 3: Surface Treatment of Flood Walls and Retaining Walls

Conventional Proposals



Drainage channel with concrete lining only -unsightly



Channel lining with fair-faced concrete -unsightly

Proposed Mitigation



Channel lining with texture treatment to concrete surface



Cross-section showing corrugations

Project Title : Drainage Improvement in Sai Kung

工程名稱 : 西貢雨水排放系統改善計劃

Figure 4A : Landscape Mitigation Measures (Sheet 1 of 2)

圖 4A : 景觀緩解措施 (第一頁, 共兩頁)

