



**Greener Slopes
Better Cityscape**

綠化斜坡

優化社區

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Geotechnical Engineering Office
Civil Engineering and Development Department
Civil Engineering and Development Building,
101 Princess Margaret Road,
Ho Man Tin, Kowloon,
Hong Kong

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土力工程處
土木工程拓展署
香港九龍何文田公主道101號
土木工程拓展署大樓



Foreword

The Geotechnical Engineering Office (GEO) of the Civil Engineering and Development Department (CEDD) has committed to enhancing slope safety in Hong Kong in the past four decades.

While our primary objective is to safeguard the public from slope failures, GEO has always given priority attention to blend in the engineering works with the surrounding environment by making them look as natural as possible and harmonizing them with the built facilities. Our aim has been to cultivate a greener, safer and ecologically more sustainable slope environment for the community.

This album presents 23 selected slopes upgraded under the Landslip Preventive Measures Programme (LPMP) / the Landslip Prevention and Mitigation Programme (LPMitP) to highlight different landscape treatments that have been used. It showcases the endeavour of GEO and its consultants to create robust, cost-effective and eco-friendly vegetation covers for slopes around Hong Kong.

I would like to take this opportunity to extend my grateful and sincere gratitude to AECOM Asia Company Ltd who serve as consultant to GEO for the preparation of this album. The effort paid by the AECOM team members, including Messrs Victon Wong, Jeff Tang, Nelson Wong and Miss Angela Cheng, is greatly appreciated.

During the course of the preparation of the album, comments from various slope maintenance departments and the landscape unit of CEDD were received; and valuable discussions and exchanges of views were held between the consultant and GEO staff, especially Mr Ken Ho, Mr KY Choi, Dr Raymond Cheung, Dr H W Sun and Ms Lily Chan. Their contributions are gratefully acknowledged.

序言

過去四十年來，土木工程拓展署轄下土力工程處一直致力提高香港的斜坡安全水平。除了努力保障公眾安全，我們亦同樣注重將斜坡鞏固工程與周邊環境融合，以為市民提供一個綠化、安全、生態上可持續發展的居住環境。

這本專輯精選了在「防止山泥傾瀉計劃」和「長遠防治山泥傾瀉計劃」下23幅經綠化的斜坡，以展示各種不同斜坡環境美化技術，藉此分享我們及工程顧問公司多年來，以符合經濟效益的方式為斜坡安全和綠化環境所取得的成果。

我在此衷心感謝艾奕康有限公司幫忙製作這本專輯，對其團隊成員包括王榮隆先生、鄧展業先生、黃柏樑先生和鄭美雲小姐所付出的心思和努力，我深表謝意。

同時，我特別感謝各斜坡維修部門、土木工程拓展署環境美化組，以及本處何建生先生、蔡廣賢先生、張偉文博士、孫向榮博士和陳雪瑩女士對這本專輯所提供的寶貴意見和貢獻。

潘偉強



Mr W K Pun
Head, Geotechnical Engineering Office
潘偉強先生
土力工程處處長

October 2017
二零一七年十月



Showcasing Landscape Treatment of Slopes

斜坡環境美化典範

Slopes are found everywhere in Hong Kong, with a substantial portion of urban developments located near to hillsides. It is Government's policy to make slopes look as natural as possible, with a view to achieving the overall aim of creating a visually acceptable and ecologically sustainable slope environment.

In pursuit of a naturalistic and environmentally conforming appearance for the slopes, vegetation cover is provided wherever practicable. Native plant species can provide more suitable food and shelter for local wildlife than exotic species, therefore GEO uses native species for landscaping slope covers and engineering works on the natural terrain wherever possible. Ecological landscape treatment of slopes has formed part of the Landslip Preventive Measures Programme / Landslip Prevention and Mitigation Programme.

This album has identified 23 different slopes in the New Territories, Kowloon, Hong Kong Island and Lantau to illustrate various types of works and landscape treatments employed over the past few decades.

We hope this publication can help raise public awareness of slope safety and also promote understanding, appreciation and enjoyment of green slope environments.

香港是依山發展的城市。特區政府的政策是盡量令斜坡看來自然，整體上務求營造在視覺方面為市民接受，而在生態方面則達到可持續發展的斜坡環境。

在力求斜坡及建構物外觀自然並與周圍環境配合的前提下，植被護面會盡量被採用。由於本土植物較能為本地自然生物提供適合的覓食和庇護環境，因此土力工程處會盡量採用本土植物品種來綠化斜坡和天然山坡上的工程建構物。在斜坡上建立可持續的生態環境，是防止山泥傾瀉計劃／長遠防治山泥傾瀉計劃的一個重要部分。

本專輯挑選分佈在香港島、九龍、新界及大嶼山的23幅斜坡，介紹過去十數年間各斜坡鞏固及環境美化工程的成果。

希望本專輯在提升公眾對斜坡安全意識之餘，亦能促進市民對斜坡環境美化工程的了解及欣賞。

Landscape Design Objectives

斜坡園景設計目標

1. Minimise Impacts
on Natural Environment
盡量減低對自然環境的影響



2. Contribute to Environmental
Sustainability and Local Ecology
維護環境的可持續性及區內生態環境



3. Create a Greener
Environment
締造更綠化的環境



4. Provide Aesthetically
Pleasing Cityscape
提供美觀悅目的社區環境



5. Match with Surrounding Land-
scape/Natural Topography
配合四周景物及天然地形



6. Achieve Natural Appearance and
Mitigate Visual Impact
營造天然外貌和紓緩視覺影響



Locations of the 23 Slopes

23幅斜坡位置圖

- 11SE-A/FR61 Tin Hau Temple Road 天后廟道
- 11SW-B/C24 Stubbs Road 司徒拔道
- 11SW-D/C601 Peak Road 山頂道
- 11SW-D/F641 Bowen Road 寶雲道

- 11NE-A/C43 Fung Shing Street 豐盛街
- 11NE-C/C242 Ngau Tau Kok Playground 牛頭角遊樂場
- 11NW-A/C34 Wah King Hill Road 華景山路
- 11NW-B/C101 Shek Kip Mei Park 石硤尾公園
- 11NW-B/C166 Junction Road Park 聯合道公園
- 11NW-B/C167 Junction Road 聯合道
- 11NW-D/C90 Hau Man Street 孝民街
- 11NW-D/C94 Chung Hau Street 忠孝街
- 11NW-D/CR110 Princess Margaret Road 公主道

- 6SE-B/C236 Route Twisk 荃錦公路
- 7SW-C/C100 Kwai Hing Road 葵興路
- 7SW-C/C352 Sam Tung Uk Road 三棟屋路
- 8SW-A/CR8 Tai Mong Tsai Road 大網仔路
- 9SE-B/ND4 Yu Tung Road 裕東路
- 10SW-C/C64 South Lantau Road 嶼南道
- 10SW-C/C165 South Lantau Road 嶼南道
- 10SW-C/C198 South Lantau Road 嶼南道
- 13NE-A/C243 South Lantau Road 嶼南道
- 12SW-A/C189 Tai Au Mun Road 大坳門路



Feature No. 斜坡編號
11SE-A/FR61

Location 位置
Tin Hau Temple Road 天后廟道

Completion 竣工年份
2012

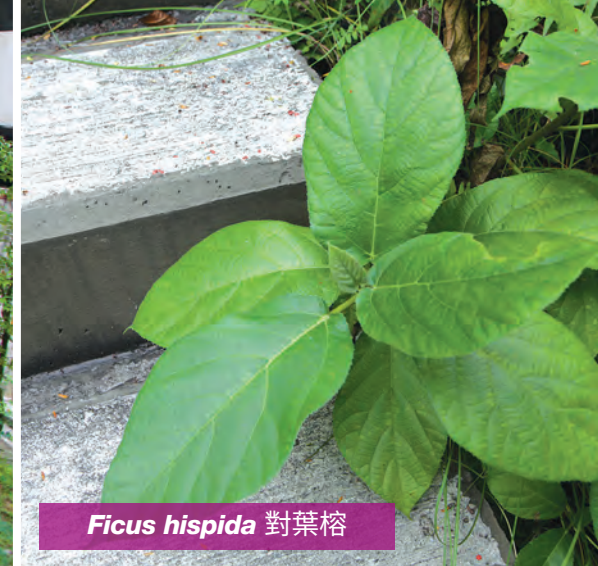
Upgrading Works 鞏固工程
Rock Fill Slope 碎石填土坡



2009



2012



Ficus hispida 對葉榕



Psychotria asiatica 九節



Landscape Treatment

Removal of existing shotcrete surface, provision of hydroseeding, tree and shrub planting

Design Outcome

Provision of pleasant greenery on rock fill slope with the integration of storm water pipes below the slope surface to reduce visual impact, enhancement of existing ecological habitats by planting native species to provide suitable food and shelter for local wildlife

美化工作

移除原有的混凝土護面，並噴植草籽、栽種樹木及灌木

設計成效

於堆石坡面下建造及改善地下排水管道，並提供斜坡環境美化，從而提升整體視覺效果、採用本土植物品種，能為本地自然生物提供適合的覓食和庇護環境，從而提供可持續和改善生態的棲息地



Feature No. 斜坡編號
11SW-B/C24

Location 位置
Stubbs Road 司徒拔道

Completion 竣工年份
2002

Upgrading Works 鞏固工程
Soil Nails 泥釘



2000



2002



Lantana montevidensis
小葉馬纓丹



Bougainvillea spectabilis
簕杜鵑



Shrubs Growing on Tree Roots
灌木依附樹根生長

Landscape Treatment

Removal of shotcrete surface, preservation of existing trees on slope, provision of hydromulching and shrub planting

Design Outcome

Conversion of shotcrete surface to a vegetation cover, provision of effective shade and aesthetically pleasing greenery along Stubbs Road, reduction of traffic noise, enhancement of local ecology

美化工作

移除原有的混凝土護面，保存現有樹木，噴植草籽及栽種灌木

設計成效

將混凝土護面轉換為植被護面，為司徒拔道提供理想遮蔭及綠色環境、減低交通噪音，並提升區內生態價值

Feature No. 斜坡編號

11SW-D/C601

Location 位置

Peak Road 山頂道

Completion 竣工年份

2002

Upgrading Works 鞏固工程

Cut Back and Soil Nails

削減坡度及泥釘



2000



2002



Wedelia chinensis 蟛蜞菊



Landscape Treatment

Removal of shotcrete surface, provision of hydroseeding, groundcover and shrub planting

美化工作

移除原有的混凝土護面，噴植草籽，並栽種地被植物及灌木

Design Outcome

Transformation of dull shotcrete cover to vegetated surface, provision of a pleasant green backdrop to Peak Road and the adjacent seating area, enhancement of local ecological values

設計成效

將單調的混凝土護面轉換為植被，從而為山頂道及周邊休憩空間提供一個宜人的綠化環境，提升區內生態價值



Feature No. 斜坡編號
11SW-D/F641

Location 位置
Bowen Road 寶雲道

Completion 竣工年份
2011

Upgrading Works 鞏固工程
Soil Nails 泥釘



Landscape Treatment

Removal of landslide debris, provision of terraced planters with trees, shrubs and groundcover

Design Outcome


Repair of landslide scar to match with the neighbouring woodland hillside, provision of native tree and shrub planting to enrich the local ecology

美化工作

清除山泥傾瀉滑坡泥石，建造梯級式牆身並栽種樹木、灌木及地被植物

設計成效

成功修復山泥傾瀉滑坡痕迹，再配合鄰近天然山坡地貌，栽種本土樹木與灌木，從而提升生態價值



Feature No. 斜坡編號
11NE-A/C43

Location 位置
Fung Shing Street 豐盛街

Completion 竣工年份
2004

Upgrading Works 鞏固工程
Soil Nails 泥釘



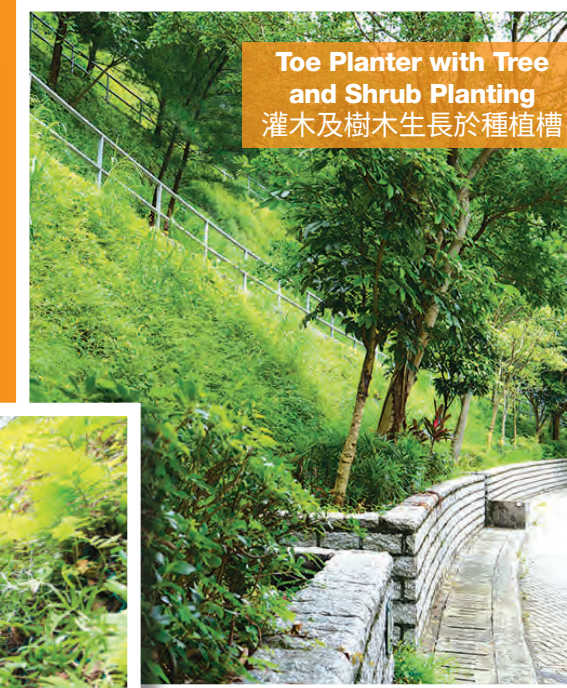
2002



2004



Cyclosorus parasiticus
華南毛蕨



Toe Planter with Tree
and Shrub Planting
灌木及樹木生長於種植槽

Landscape Treatment

Removal of existing shotcrete surface, hydromulching, provision of toe planters with tree and shrub planting

美化工作

移除原有的混凝土護面，噴植草籽，並在斜坡底部建造種植槽栽種樹木及灌木

Design Outcome

Increase of green coverage, provision of greenery to blend in with the natural woodland planting at the urban fringe along Fung Shing Street

設計成效

在市區周邊，沿豐盛街提供樹蔭及配合四周地貌的綠化環境



Feature No. 斜坡編號
11NE-C/C242

Location 位置
Ngau Tau Kok Playground
牛頭角遊樂場

Completion 竣工年份
2004

Upgrading Works 鞏固工程
Soil Nails 泥釘



2001

2004

Landscape Treatment

Removal of existing shotcrete surface, hydroseeding, preservation of existing trees, provision of toe planters with shrub planting

美化工作

移除原有的混凝土護面，保存原有樹木，在斜坡底部建造種植槽栽種灌木及噴植草籽

Design Outcome

Provision of aesthetically pleasant backdrop to the playground, improvement of local ecology

設計成效

為遊樂場提供宜人景色，增加區內生態價值



Feature No. 斜坡編號
11NW-A/C34

Location 位置
Wah King Hill Road 華景山路

Completion 竣工年份
2008

Upgrading Works 鞏固工程
Soil Nails 泥釘



Landscape Treatment

Removal of shotcrete surface, hydroseeding, preservation of existing trees, shrub and tree planting

Design Outcome

Translation of a dull shotcreted slope to a woodland slope to reduce heat island effect, provision of a pleasant green backdrop to Wah King Hill Road, absorption of traffic noise, enhancement of local ecological values

美化工作

移除原有的混凝土護面，噴植草籽，保存原有樹木，栽種灌木和樹木

設計成效

將單調的混凝土護面轉換為林地植被，以降低熱島效應，為華景山路提供令人心曠神怡的綠化景致、減低交通噪音，並提升區內生態價值



Feature No. 斜坡編號
11NW-B/C101

Location 位置
Shek Kip Mei Park 石硤尾公園

Completion 竣工年份
2005

Upgrading Works 鞏固工程
Soil Nails 泥釘



2002



2005



Landscape Treatment

Removal of existing shotcrete cover, hydromulching, provision of toe planters with shrubs

Design Outcome

Transformation of shotcrete surface to an aesthetically pleasing green cover, maximization of greening within densely populated urban area, reduction of heat island effect, enhancement of local ecological values

美化工作

移除原有的混凝土護面，噴植草籽，並在斜坡底部建造種植槽栽種灌木

設計成效

以植被代替原有的混凝土護面，並於人口稠密地區加添青蔥氣息，減低熱島效應，並提升區內生態價值

Feature No. 斜坡編號
11NW-B/C166

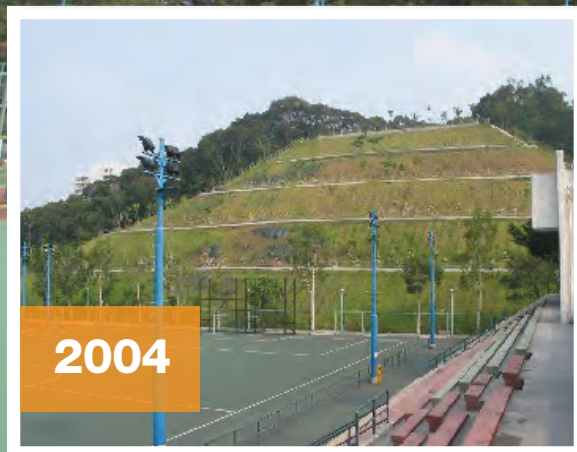
Location 位置
Junction Road Park 聯合道公園

Completion 竣工年份
2004

Upgrading Works 鞏固工程
Soil Nails 泥釘



2001



2004



Bauhinia variegata
宮粉羊蹄甲



Landscape Treatment

Removal of existing shotcrete surface, provision of hydroseeding with tree seed mix

Design Outcome


Provision of gratifying greening on slope surface, promotion of woodland establishment to provide smooth transition from urban area to the adjacent natural woodland, enhancement of aesthetic and ecological values

美化工作

移除原有的混凝土護面，噴植草籽及樹木種籽

設計成效

為市民提供宜人綠化景致，為都市與天然林地創造理想緩衝地帶，提升整體外觀與生態價值



Feature No. 斜坡編號
11NW-B/C167

Location 位置
Junction Road 聯合道

Completion 竣工年份
2006

Upgrading Works 鞏固工程
Soil Nails 泥釘



2003

2006



Duranta erecta 假連翹



Bombax ceiba 木棉



Nephrolepis auriculata
腎蕨



Rhododendron farrerae
華麗杜鵑

Landscape Treatment

Removal of shotcrete surface, hydroseeding, groundcover and shrub planting

Design Outcome

Conversion of shotcrete cover into vegetation to reduce heat island effect, provision of pleasant green backdrop along Junction Road, absorption of traffic noise, enhancement of local ecological values

美化工作

移除原有的混凝土護面，噴植草籽，並栽種地被植物及灌木

設計成效

將混凝土護面轉換為植被以減低熱島效應，並沿聯合道提供綠蔭盎然的景色、減低交通噪音，並提升區內生態價值



Feature No. 斜坡編號
11NW-D/C90

Location 位置
Hau Man Street 孝民街

Completion 竣工年份
2006

Upgrading Works 鞏固工程
Soil Nails 泥釘



2003



2006



Rhododendron simsii
紅杜鵑



Schefflera arboricola
鵝掌藤

Landscape Treatment

Removal of existing shotcrete surface, hydroseeding, shrub and groundcover planting and provision of toe planters with ornamental shrubs

Design Outcome

Translation of dull shotcrete cover to vegetated surface to achieve environmental sustainability, provision of pleasant streetscape along Hau Man Street, absorption of traffic noise, enhancement of local ecological values

美化工作

移除原有的混凝土護面，噴植草籽，栽種地被植物及灌木，在斜坡底部建造種植槽栽種觀賞性高的灌木

設計成效

將單調的混凝土護面轉換為植被，沿孝民街提供宜人的綠化街景、減低交通噪音，並提升區內生態價值

Feature No. 斜坡編號
11NW-D/C94

Location 位置
Chung Hau Street 忠孝街

Completion 竣工年份
2004

Upgrading Works 鞏固工程
Soil Nails 泥釘



Parthenocissus dalzielii
異葉爬牆虎



Calliandra haematocephala
紅絨球



Lantana montevidensis
小葉馬纓丹

Landscape Treatment

Removal of existing shotcrete surface, hydroseeding, provision of toe planter with shrubs and climbers

Design Outcome

Enhancement of the visual amenity along Chung Hau Street, reduction of heat island effect, absorption of traffic noise, enhancement of local ecological values

美化工作

移除原有的混凝土護面，噴植草籽，在斜坡底部建造種植槽栽種灌木及攀爬植物

設計成效

沿忠孝街增添宜人景致，並減低熱島效應及交通噪音，也提升區內生態價值



Feature No. 斜坡編號
11NW-D/CR110

Location 位置
Princess Margaret Road 公主道

Completion 竣工年份
2007

Upgrading Works 鞏固工程
Soil Nails 泥釘



2006



2007



Heteropanax fragrans
幌傘楓

Landscape Treatment
Removal of shotcrete surface, preservation of existing trees on slope, hydroseeding and shrub mix planting

Design Outcome
Transformation of a shotcreted slope to a natural woodland slope to lessen heat island effect, enhancement of the visual amenity of the roadside environment, absorption of traffic noise, enhancement of local ecological values

美化工作
移除原有的混凝土護面，保存原有樹木，噴植草籽並栽種灌木

設計成效
將原有的混凝土護面轉為天然林地坡面，為街道加添自然氣息及減低交通噪音，並提升區內生態價值

A photograph showing a road shoulder with a retaining wall made of interlocking stone blocks. The wall is covered in moss. Behind the wall is a dense thicket of green trees and shrubs. A paved road is visible on the left side of the image.

Feature No. 斜坡編號
6SE-B/C236

Location 位置
Route Twisk 荃錦公路

Completion 竣工年份
2005

Upgrading Works 鞏固工程
Soil Nails 泥釘



Landscape Treatment

Removal of shotcrete cover, preservation of existing trees on slope, hydroseeding, woodland tree and shrub mix planting

Design Outcome

Successful integration of the upgrading works to match with the natural landscape along Route Twisk, preservation of existing trees on slope and minimization of impacts on the natural environment

美化工作

移除原有的混凝土護面，保存原有樹木，噴植草籽，栽種喬木和灌木

設計成效

成功將斜坡鞏固工程與荃錦公路沿途綠致景色融合，並保存斜坡上原有樹木，以盡量減低對自然環境的影響

Feature No. 斜坡編號
7SW-C/C100

Location 位置
Kwai Hing Road 葵興路

Completion 竣工年份
2005

Upgrading Works 鞏固工程
Soil Nails 泥釘



Ficus microcarpa
金葉榕



Ficus benjamina surrounded
by *Nephrolepis auriculata*
垂葉榕和腎蕨



Wedelia chinensis
蟛蜞菊



Landscape Treatment

Removal of shotcrete surface, establishment of hydroseeding with tree seed mix, provision of planter holes and toe planters with shrubs and climbers

Design Outcome

Use of masonry facing and climbing plants to mitigate the visual impact of hard surfaces, provision of cooler environment to pedestrians, absorption of traffic noise, enhancement of existing ecological habitats by planting native species to provide suitable food and shelter for local wildlife

美化工作

移除原有的混凝土護面，噴植草籽及樹木種籽，提供種植孔及麻石面種植槽以栽種灌木及攀緣植物

設計成效

於砌石面上利用攀緣植物增加綠化效果，減低熱島效應，為行人帶來清涼空氣及吸收交通噪音、採用本土植物品種，能為本地自然生物提供適合的覓食和庇護環境，從而提供可持續和改善生態的棲息地



Feature No. 斜坡編號
7SW-C/C352

Location 位置
Sam Tung Uk Road
三棟屋路

Completion 竣工年份
2004

Upgrading Works 鞏固工程
Soil Nails, Rock Slope Treatment
泥釘及石坡鞏固



2001



2004



Lantana montevidensis
小葉馬纓丹



Ipomoea cairica
五爪金龍



Phoenix roebelenii
日本葵

Landscape Treatment

Planting of climbers over the slope, provision of shrubs and trees along toe planter

Design Outcome

Successful formation of a green curtain (formed by climbers) screening the concrete buttresses, reduction of heat island effect, enhancement of aesthetic and ecological values

美化工作

於斜坡面栽種攀緣植物，並在斜坡底部建造種植槽種植樹木及灌木

設計成效

成功利用攀緣植物編織成一個綠色屏障，覆蓋混凝土擋土牆及石坡以加強綠化，同時也減低熱島效應，並提升其觀賞及生態價值

Feature No. 斜坡編號
8SW-A/CR8

Location 位置
Tai Mong Tsai Road 大網仔路

Completion 竣工年份
2000

Upgrading Works 鞏固工程
Soil Nails, Retaining Wall
泥釘及擋土牆





1997



2000



Psychotria asiatica
九節



Alocasia macrorrhiza
海芋



Ficus variegata var. *chlorocarpa*
青果榕

Landscape Treatment
Hydroseeding with tree seeds

Design Outcome
Use of masonry facing to mitigate the visual impact of retaining wall, provision of natural woodland planting to promote environmental sustainability, enhancement of local ecological values

美化工作
噴植草籽及樹木種籽

設計成效
麻石圖案營造自然美感，以減低擋土牆的視覺影響，並於斜坡上栽種天然林地植物促進本地生態可持續發展，並提升區內生態價值



Feature No. 斜坡編號
9SE-B/ND4

Location 位置
Yu Tung Road 裕東路

Completion 竣工年份
2013

Upgrading Works 鞏固工程
Concrete Rigid Barrier
混凝土泥石壩



Parthenocissus dalzielii
異葉爬牆虎



Bidens pilosa
白花鬼針草

Landscape Treatment

Vertical planting on reinforced concrete wall, hydroseeding, shrub planting

Design Outcome

Minimization of the visual impact of concrete structure and blend in the structure with adjacent natural environment, contribution to environmental sustainability, enhancement of existing ecological habitats by planting native species to provide suitable food and shelter for local wildlife

美化工作

於混凝土牆身垂直栽種植物，噴植草籽，並於周邊種植灌木

設計成效

綠色植物紓緩混凝土牆的視覺影響和減低硬面的反射率，使混凝土泥石壩與周遭天然環境融合，提供可持續發展的生態環境、採用本土植物品種，能為本地自然生物提供適合的覓食和庇護環境，從而提供可持續和改善生態的棲息地



Feature No. 斜坡編號
10SW-C/C64

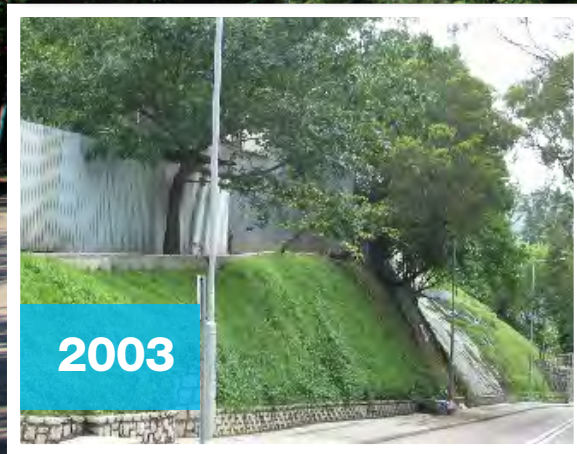
Location 位置
South Lantau Road 嶼南道

Completion 竣工年份
2003

Upgrading Works 鞏固工程
Soil Nails 泥釘



2000



2003



Bauhinia purpurea
紅花羊蹄甲

Landscape Treatment

Removal of shotcrete cover, hydromulching, hydroseeding, tree and shrub planting, provision of toe planters

Design Outcome

Provision of instant and effective greenery, promotion of natural woodland establishment to blend in the slope with adjacent natural setting along South Lantau Road, enhancement of existing ecological habitats by planting native species to provide suitable food and shelter for local wildlife

美化工作

移除原有的混凝土護面，噴植草籽，栽種灌木、樹木，並在斜坡底部建造種植槽

設計成效

提供即時及有效的綠化植物，促進天然林地的發展，從而令斜坡融入嶼南路沿途的天然環境、採用本土植物品種，能為本地自然生物提供適合的覓食和庇護環境，從而提供可持續和改善生態的棲息地



Feature No. 斜坡編號
10SW-C/C165

Location 位置
South Lantau Road 嶼南道

Completion 竣工年份
2003

Upgrading Works 鞏固工程
Soil Nails 泥釘



2000



2003



Stepped Masonry Faced Toe Planter
梯級式麻石面種植槽

Landscape Treatment

Removal of shotcrete cover, hydromulching, hydroseeding, tree and shrub planting, provision of toe planters

Design Outcome

Use of stepped masonry faced toe planters to match with the surrounding topography and existing landscape, promotion of natural woodland establishment to blend in the slope with adjacent natural setting along South Lantau Road, enhancement of existing ecological habitats by planting native species to provide suitable food and shelter for local wildlife

美化工作

移除原有的混凝土護面，噴植草籽及樹木種籽，栽種樹木、灌木，以及建造麻石面種植槽

設計成效

在斜坡底部建造梯級式麻石面種植槽栽種植物，以配合周邊地貌及現有環境，促進天然林地的發展，從而令斜坡融入嶼南道沿途的天然環境、採用本土植物品種，能為本地自然生物提供適合的覓食和庇護環境，從而提供可持續和改善生態的棲息地

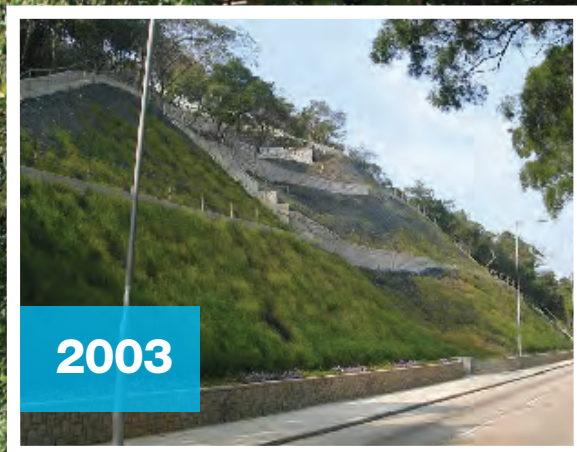


Feature No. 斜坡編號
10SW-C/C198

Location 位置
South Lantau Road 嶼南道

Completion 竣工年份
2003

Upgrading Works 鞏固工程
Soil Nails 泥釘



Landscape Treatment

Removal of shotcrete cover, hydromulching, hydroseeding, tree and shrub planting, provision of toe planters

Design Outcome


Provision of instant and effective greenery, promotion of natural woodland establishment to blend in the slope with adjacent natural setting along South Lantau Road, enhancement of existing ecological habitats by planting native species to provide suitable food and shelter for local wildlife

美化工作

移除原有的混凝土護面，噴植草籽、栽種樹木、灌木，以及建造麻石面種植槽

設計成效

提供即時及有效的綠化植物，促進天然林地的發展，從而令斜坡融入嶼南道沿途天然環境、採用本土植物品種，能為本地自然生物提供適合的覓食和庇護環境，從而提供可持續和改善生態的棲息地



Feature No. 斜坡編號
13NE-A/C243

Location 位置
South Lantau Road 嶼南道

Completion 竣工年份
2005

Upgrading Works 鞏固工程
Soil Nails 泥釘



Landscape Treatment

Removal of shotcrete cover, woodland and shrub mix planting

Design Outcome

Transformation of a shotcreted slope to a natural woodland slope to lessen heat island effect, presentation of a pleasant sight to road users by planting flower-bearing species, reduction of traffic noise, enhancement of existing ecological habitats by planting native species to provide suitable food and shelter for local wildlife

美化工作

移除原有的混凝土護面，栽種灌木及林地植物

設計成效

以天然林地坡面取代混凝土表面，從而減低熱島效應，向道路使用者提供一個時花錦簇及賞心悅目的環境，並減低交通噪音，採用本土植物品種，能為本地自然生物提供適合的覓食和庇護環境，從而提供可持續和改善生態的棲息地



Feature No. 斜坡編號
12SW-A/C189

Location 位置
Tai Au Mun Road 大坳門路

Completion 竣工年份
2001

Upgrading Works 鞏固工程
Soil Nails 泥釘



1999



2001



Cyclosorus parasiticus
華南毛蕨



Landscape Treatment

Removal of shotcrete cover, hydromulching, provision of toe planter

Design Outcome

Conversion of shotcrete cover into vegetated surface to reduce heat island effect, promotion of natural woodland succession for environmental sustainability, enhancement of existing ecological habitats by planting native species to provide suitable food and shelter for local wildlife

美化工作

移除原有的混凝土護面，噴植草籽，並建造種植槽

設計成效

以植被面取代混凝土護面，從而減低熱島效應，讓斜坡融合自然環境，促進生態物種可持續發展、採用本土植物品種，能為本地自然生物提供適合的覓食和庇護環境，從而提供可持續和改善生態的棲息地

Ecological Habitats on Slopes across Hong Kong



常見棲息於香港斜坡的生態物種





