

# 港島西雨水排放隧道 Hong Kong West Drainage Tunnel

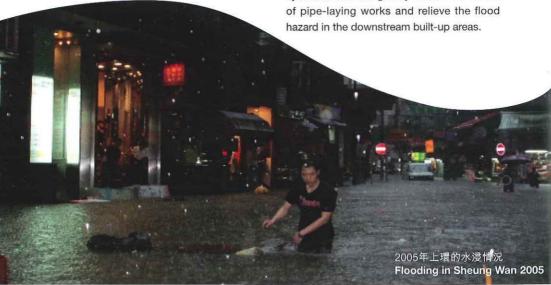
#### 背景

#### BACKGROUND

現時港島北下游集水區的雨水排放系統,多是數十年前興建,其排洪標及能力並不足以應付社會急速發當是土地用途改變所帶來的需求。每向下數學,大量洪水經由路面流,更的低窪地區,不單引致水變。 通和商業活動造成重大影響。

Most of the existing drainage systems of the lower catchment of Northern Hong Kong Island were built decades ago. The protection standards are no longer adequate to cope with the requirement of rapid urbanization and changes in land use over the years. During heavy rainstorms, huge flows run along paved areas and down to the low-lying urban areas, causing floods and disturbance to traffic and business.

The traditional approach to improve the drainage systems in urbanized areas is to enlarge the existing drainage system or construct additional drains. However, this will require extensive road openings in busy roads causing serious traffic disruptions and environmental nuisances. A drainage tunnel scheme is considered to be a better approach to intercept the surface runoff in mid-hill for discharge into the sea without passing through the downstream drainage systems. This will greatly reduce the extent of pipe-laying works and relieve the flood hazard in the downstream built-up areas.



# 工程範圍 SCOPE OF WORK



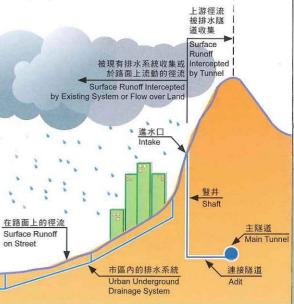
港島西雨水排放隧道工程是政府紓緩港島北部水浸問題的主要改善措施。主隧道建於半山區的深層地底,由計劃中的34個進水口將港島北上游集水區的地面徑流收集,經由大坑至薄扶林排放到港島西數碼港附近海域。

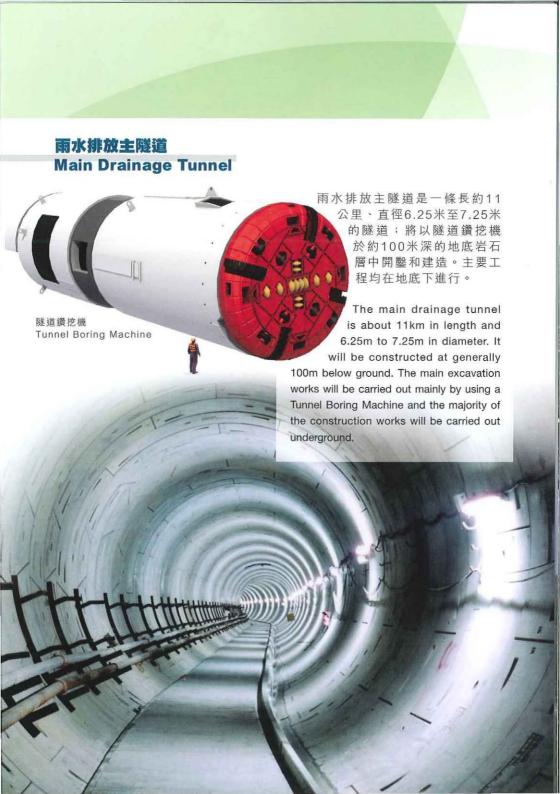
The Hong Kong West Drainage Tunnel is a government's major initiative to relieve the flooding problem in Northern Hong Kong Island. It consists of a main tunnel to be built deep underground in Mid-levels extending from Tai Hang to Pokfulam. It will collect and divert surface runoff from the upper catchment of Northern Hong Kong Island via 34 planned intakes to the sea near Cyberport.

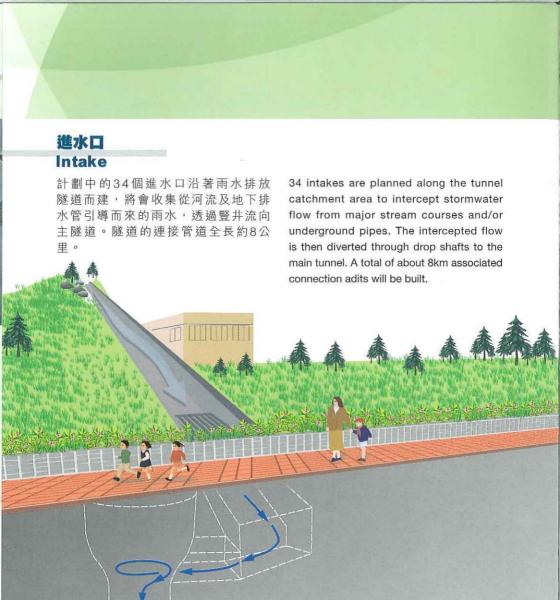


流入海中的洪水

Flood Water to Sea







工程開展日期 Project commencement date

完工日期 Project completion date

工程項目費用 Project estimate

管理分部 Controlling division

工程顧問 : A D I I

ARUP

: 2007年11月30日

約港幣30億元

: About HK\$3,000 million

渠務署

: 2012年

: 2012

: 30 November 2007

Drainage Services Department

工程管理部 Project Management Division

奥雅納工程顧問 Ove Arup & Partners Hong Kong Ltd



Consultant 承建商 Contractor

### 成效 **MAJOR BENEFITS**

- 紓緩港島北水浸問題,尤其鄰近 中環、上環及灣仔一帶的低窪地區
- 提高整體防洪水平
- 減低暴雨帶來性命、財物和經濟損 失的危機
- 減低施工期間對大眾構成的不便或 滋擾
- · Relieve the flooding problem in the Northern Hong Kong Island, in particular the low-lying areas along Central, Sheung Wan and Wan Chai
- Raise the overall flood protection level
- Reduce potential risk of damage to life, property and economy during heavy rainstorm
- · Minimize disturbance to the public during construction

# 查詢 **ENQUIRY**

渠務署網頁

DSD's Website

www.dsd.gov.hk

工程查詢熱線

Project Enquiry Hotline :

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渠務熱線

Drainage Hotline

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