

Part 3 - Major projects involved in the Kai Tak Developments (Part 2)

This presentation, prepared by Raymond Wong of City University, tries to briefly summarize the major projects being carries out or under active planning since the introduction of the Kai Tak Development Plan by the end of 2000s.

July 2017

Project Title	Reconstruction and Rehabilitation of Kai Tak Nullah from Po Kong Village Road to Tung Kwong Road - Remaining Works
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Project Scope	The project includes reconstruction, improvement and rehabilitation of section of about 600m long Kai Tak Nullah from More
Major Improvements and Benefits	Improve the drainage capacity and rehabilitate the section of Kai Tak Nullah from Po Kong Village Road to Tung Kwong Road
Consultants	AECOM Consulting Services Limited
Contractors	DC/2011/04 - Leader - Sunnic Joint Venture
Contract No.	DC/2011/04
Project Commencement Date	31 October 2011
Project Completion Date	End 2017
Approved Project estimate	About \$1,600 million
Controlling Division	Project Management Division
Type	Flood Prevention

Major projects 6a

Project Title	Reconstruction and Rehabilitation of Kai Tak Nullah from Tung Kwong Road to Prince Edward Road East - main works
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Project Scope	The project includes reconstruction and rehabilitation of a section of about 500m long Kai Tak Nullah from Tung Kwong Road to Prince Edward Road East. More
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Major Improvements and Benefits	Improve the drainage capacity and rehabilitate the section of Kai Tak Nullah from Tung Kwong Road to Prince Edward Road East
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Consultants	Atkins China Limited
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Contractors	DC/2013/03 - China Road and Bridge Corporation
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Contract No.	DC/2013/03
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Project Commencement Date	30 December 2013
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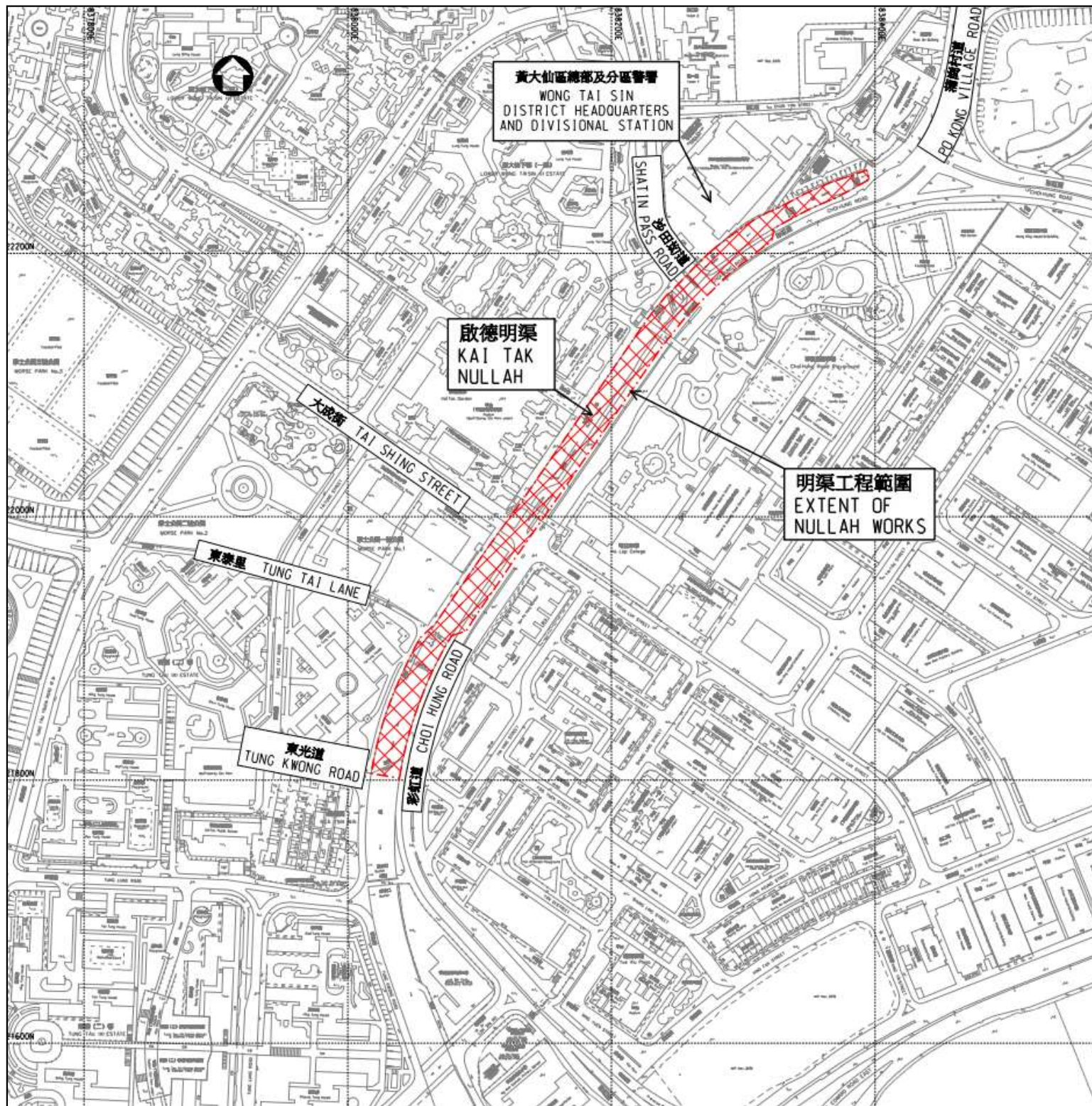
Project Completion Date	End 2017
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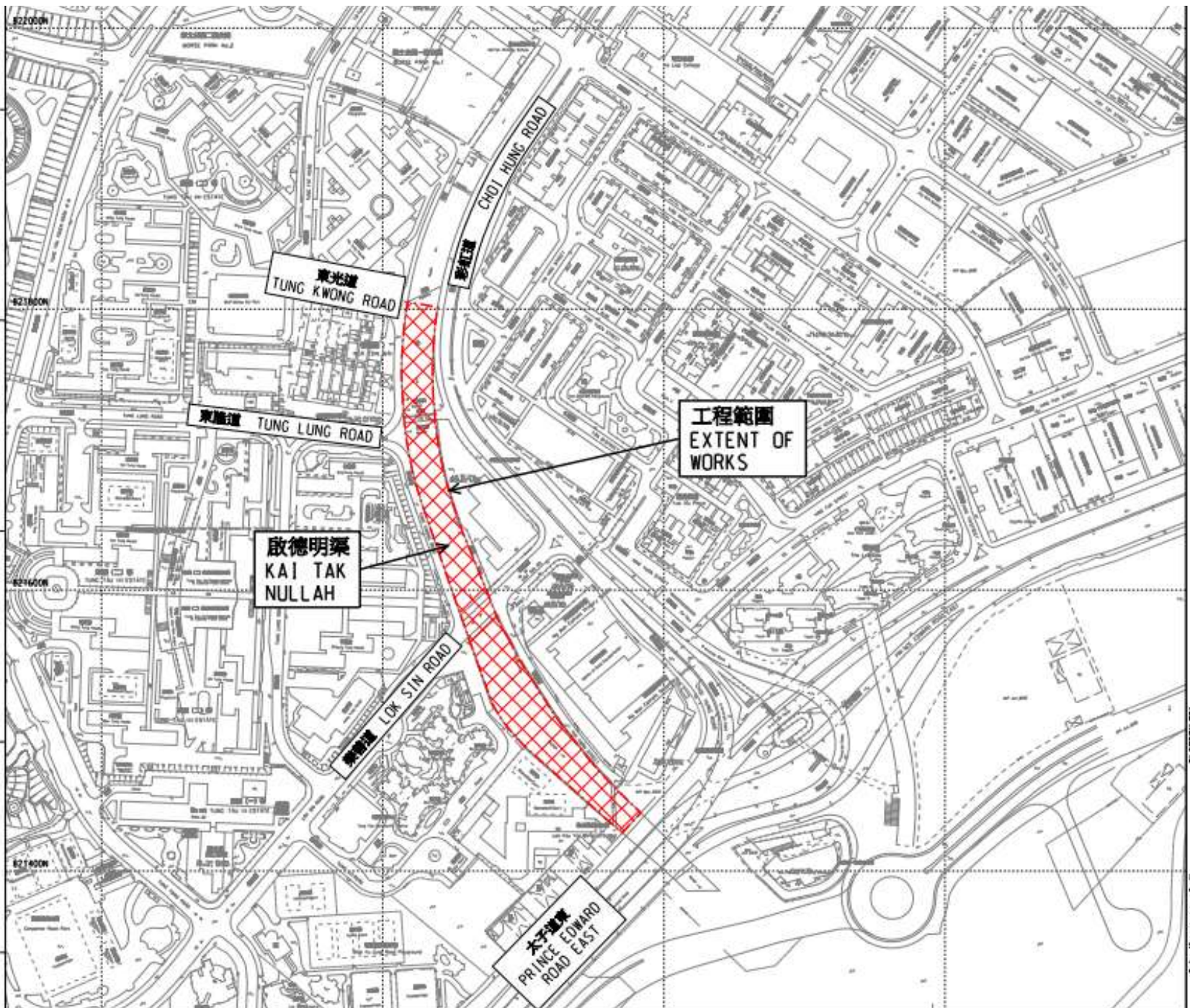
Approved Project estimate	About \$1,200 million
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Controlling Division	Project Management Division
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Type	Flood Prevention
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Major projects 6b





圖則名稱 drawing title

工程計劃編號169CD -
重建和修復一段由東光道至太子道東的啟德明渠 - 主要工程
PWP ITEM NO. 169CD -
RECONSTRUCTION AND REHABILITATION OF KAI TAK NULLAH FROM
TUNG KWONG ROAD TO PRINCE EDWARD ROAD EAST - MAIN WORKS

繪圖 drawn	SIGNED T.M. SIU	日期 date	16 AUG 2013
核對 checked	SIGNED C.W. NGAI	日期 date	16 AUG 2013
批核 approved	SIGNED H.N. LEE	日期 date	16 AUG 2013
部門 office	工程管理部 PROJECT MANAGEMENT DIVISION		

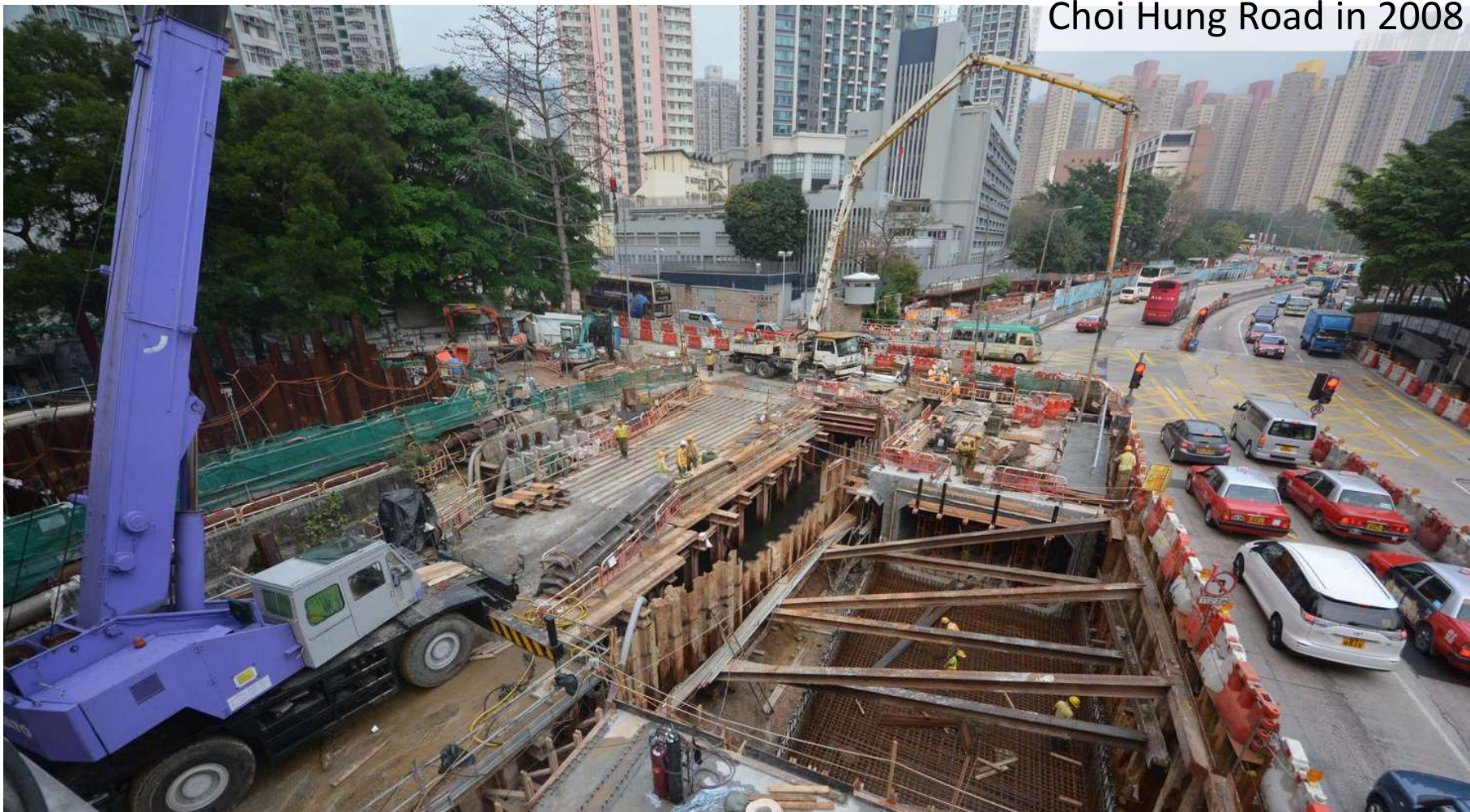
圖則編號 drawing no.	比例 scale
DPM/169CD/0001	N.T.S.
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 香港特別行政區政府渠務署 DRAINAGE SERVICES DEPARTMENT GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION	

Kai Tak Nullah at Wong Tai Sin
and San Po Kong as in 2008





Junction at Tai Shing Street and
Choi Hung Road in 2008 & 2016

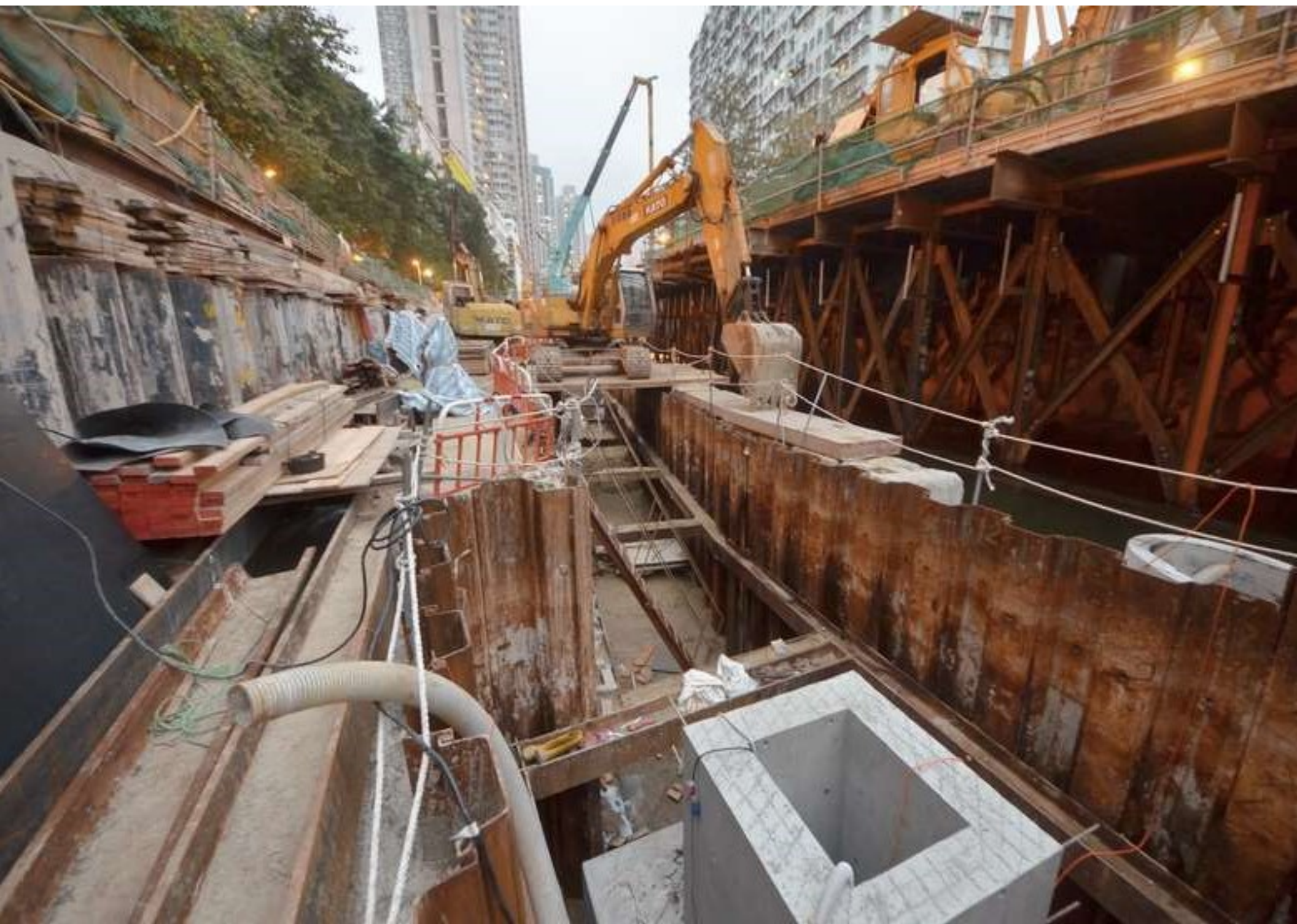




Work at flood season (June 2017)



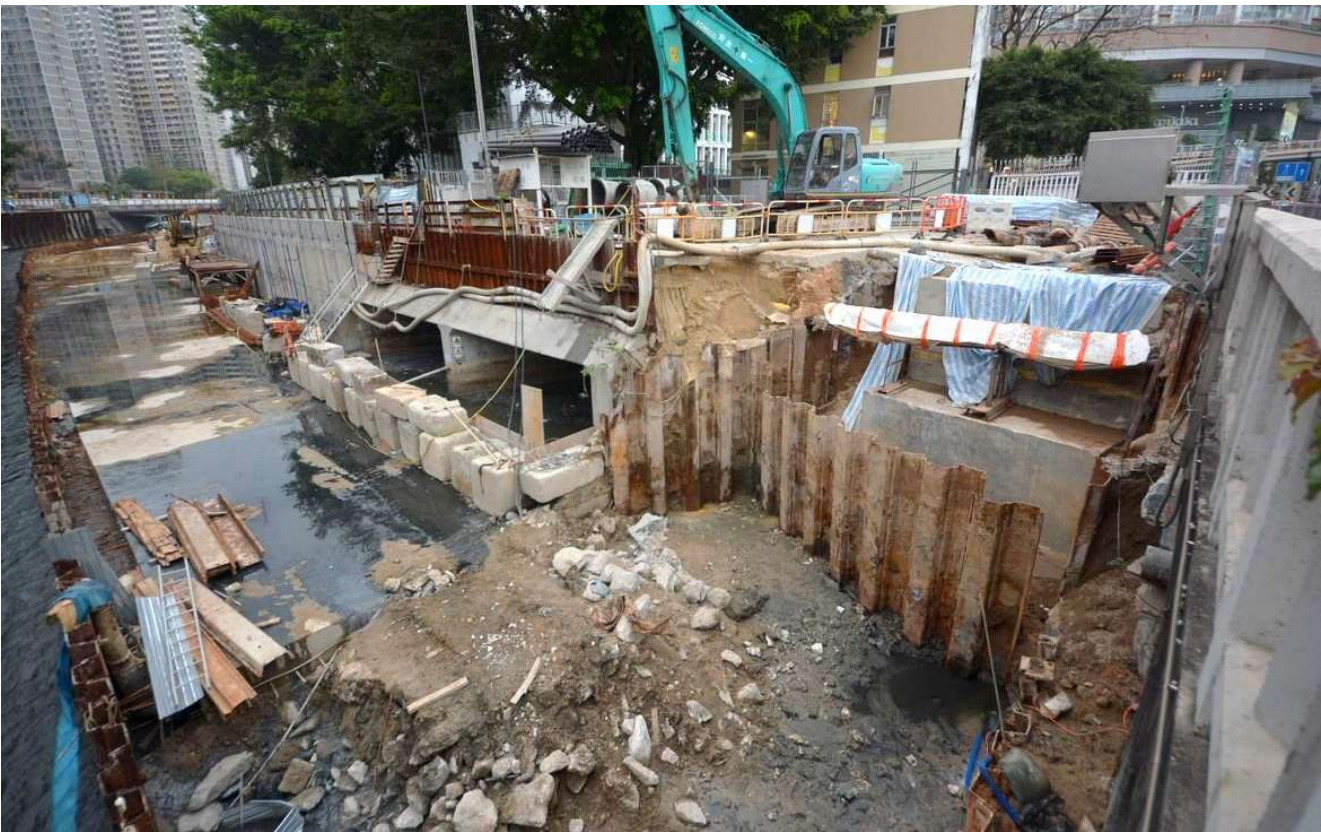










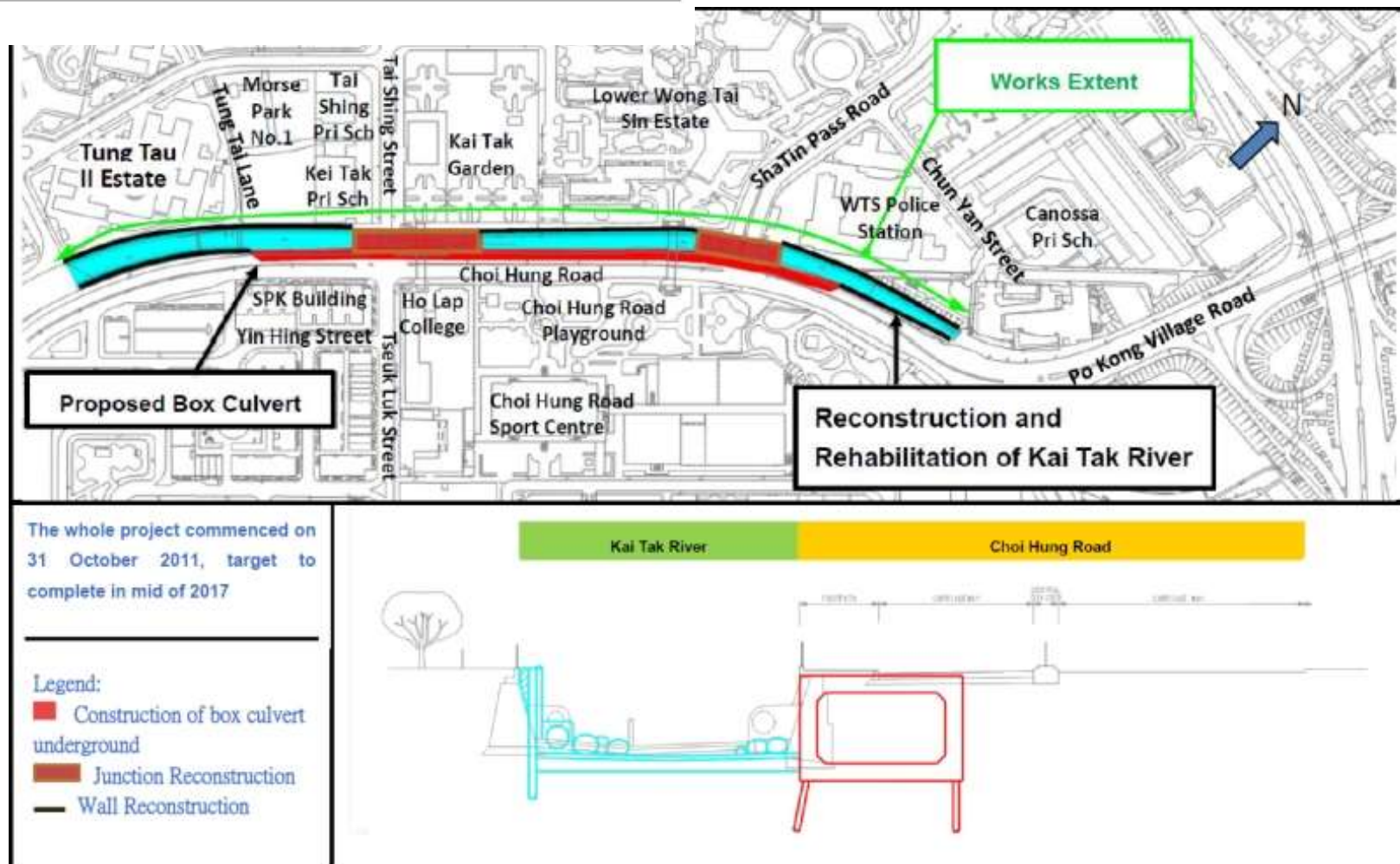
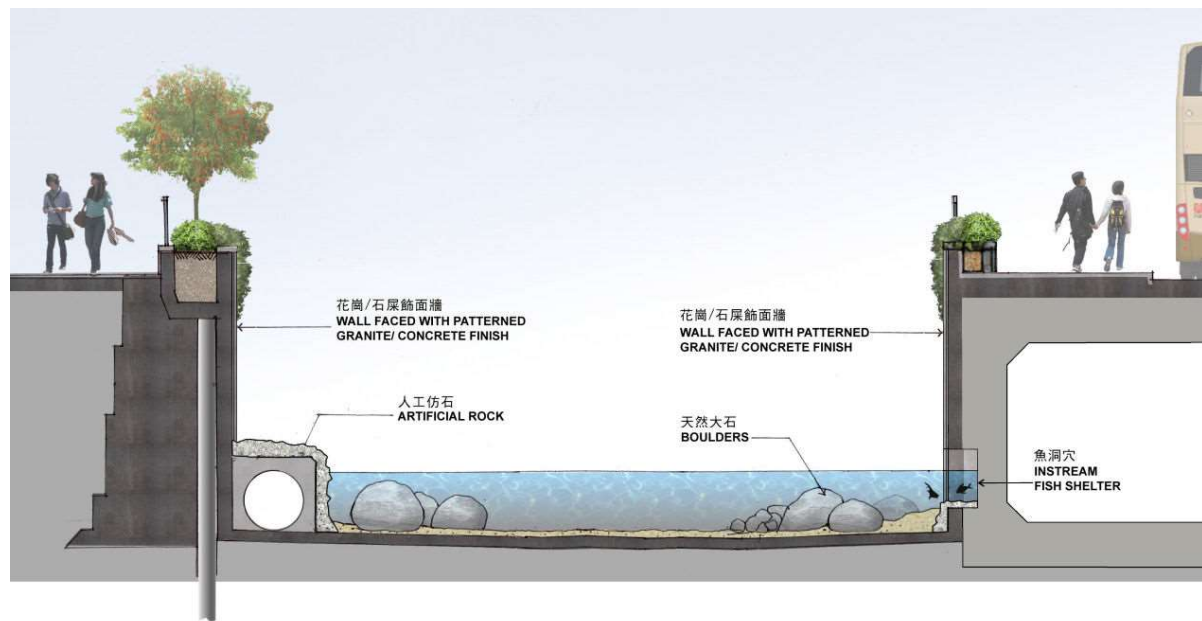


Approx. alignment of
Prince Edward Road



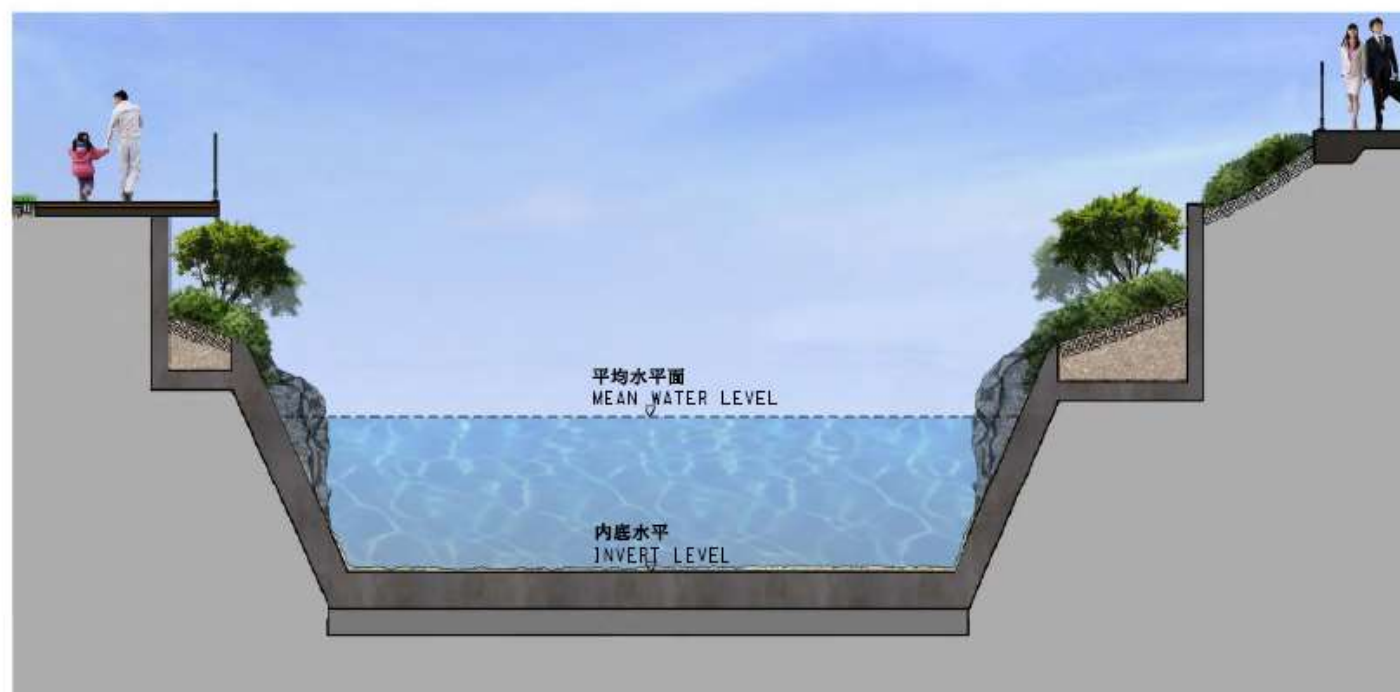
Nullah section crossing the
northern portion (above) &
southern portion (left) of
Prince Edward Road







立視圖
ELEVATION



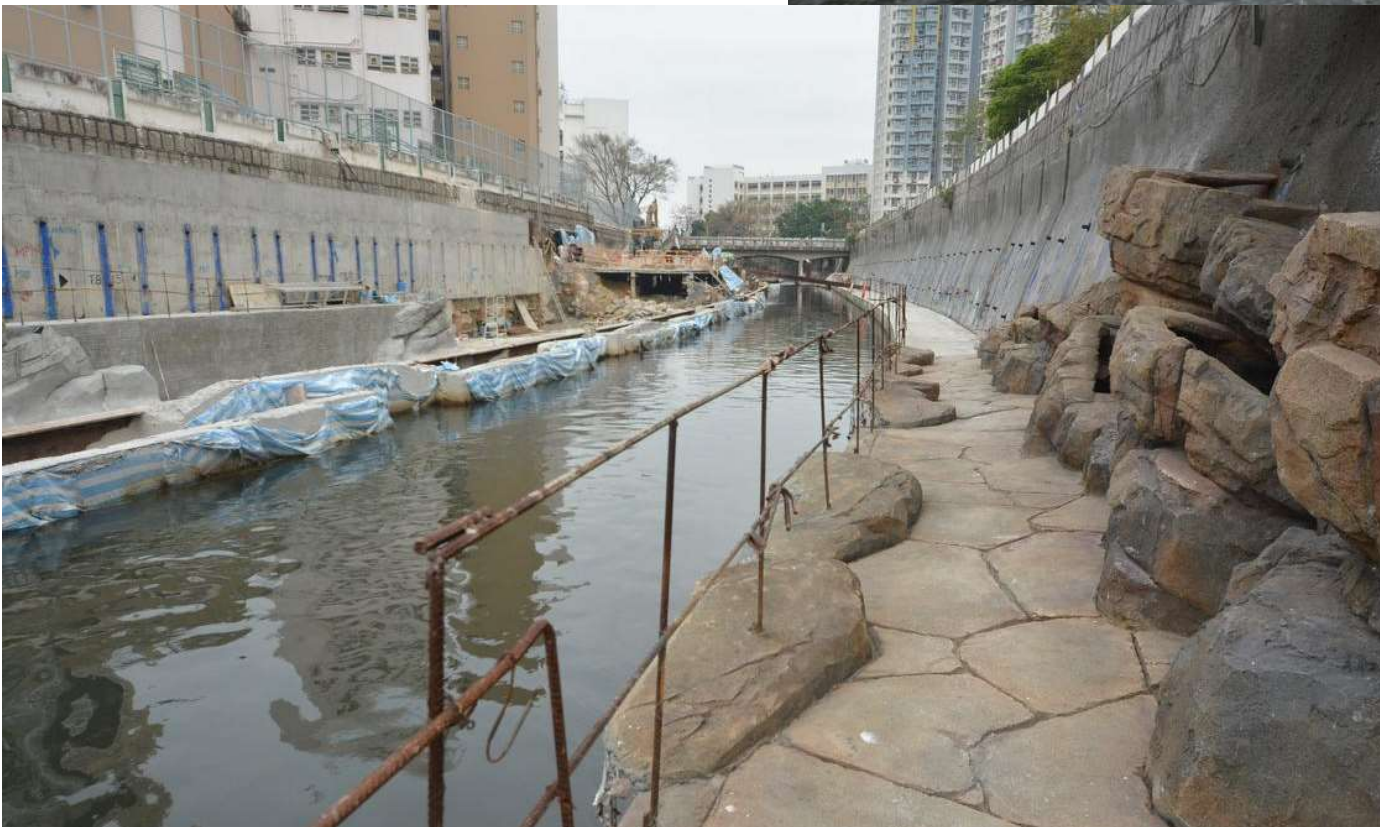
典型橫切面 A-A
TYPICAL SECTION A-A

圖則名稱 drawing title

啟德明渠重建及改善工程
-擬建排水道構想圖

RECONSTRUCTION AND
UPGRADING OF KAI TAK NULLAH
-ARTIST'S IMPRESSION OF
PROPOSED DRAINAGE CHANNEL

Provision of landscaping
features (early 2017)







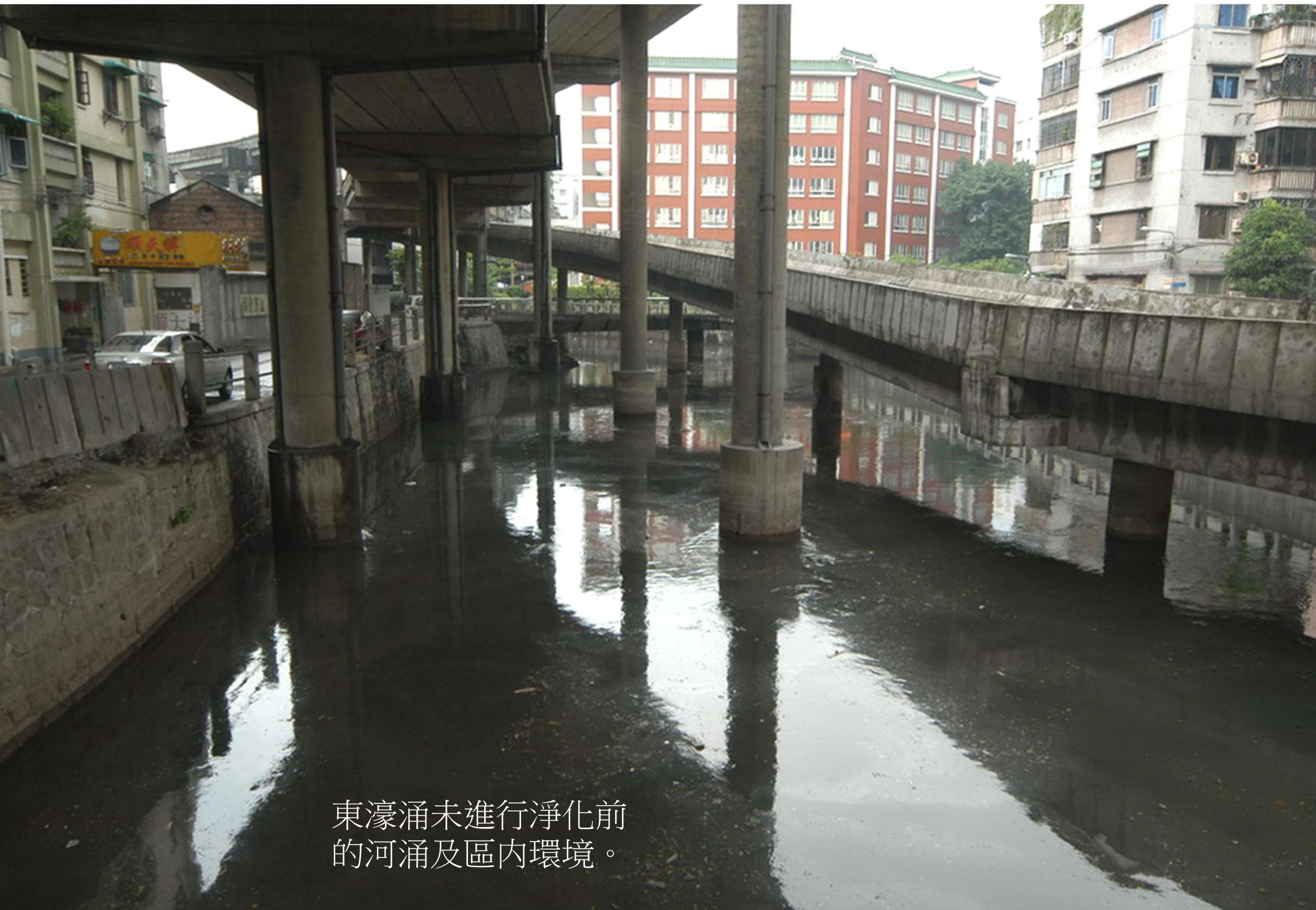
Provision of landscaping features (mid 2017)

Examples of similar projects outside HK



東濠涌中山三路南段在未進行
淨化前的河涌及區內環境。





東濠涌未進行淨化前的
河涌及區內環境。



廣州東濠涌優化項目
(2008-12)



位於中山三路與越秀路的綠化廣場帶





綠化廣場及高架橋底
水景區帶的景緻







荔灣涌環境改造計劃









上流經除污淨化後灌注入荔灣河之水出口，河水之後再流入荔灣湖及珠江



荔灣河與荔灣湖公園
的空間融合

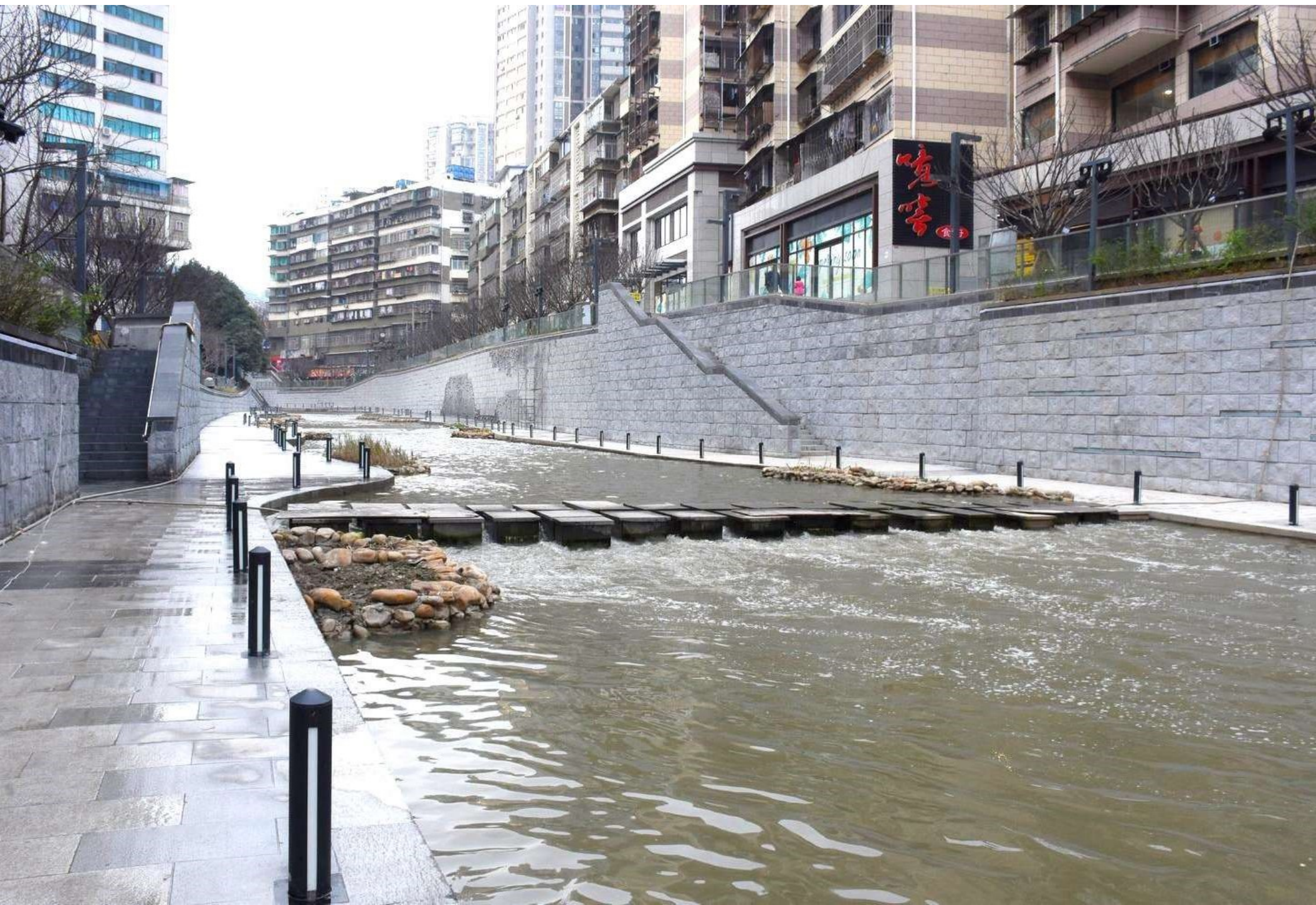




貴陽市西河南明河優化



River upgrading project in Quiyang





Upgrading of the River Seoul



<http://reader.roodo.com/sabinasun/archives/1277746.html>

清溪川





River-side in
Osaka, Japan



Major project 7

Reconstruction and upgrading Kai Tak
Nullah from Prince Edward Road to
Kai Tak Approach Channel/Kowloon Bay

Reconstruction and upgrading of Kai Tak Nullah

Scope of work

- (a) reconstruction and upgrading of Kai Tak Nullah of about 1 300 metres (m) long at the north apron area of the former Kai Tak Airport from Prince Edward Road East to Kai Tak Approach Channel into a combination of a drainage channel and multi-cell box culverts with a total width varying from about 40m at the upstream to about 70m at the downstream;
- (b) construction of two enclosed desilting compounds with vehicular access; and
- (c) ancillary works including landscaping works, environmental mitigation measures and related monitoring and audit works.

Consultant: AECOM Asia Company Limited

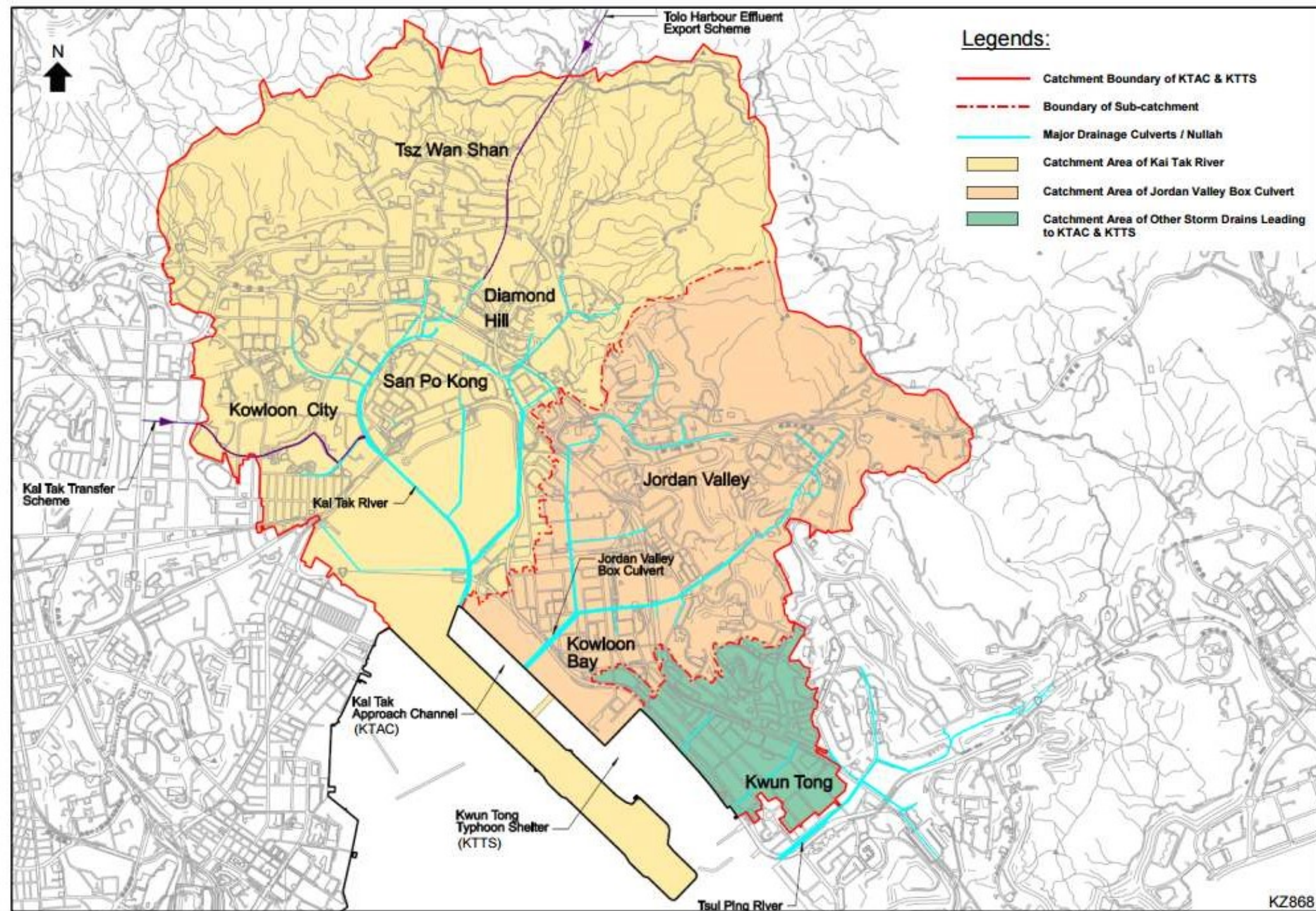
Contractor: Chit Cheung Construction Co., Ltd.

Estimated cost: \$2.488 billion

Contract period: January 2013 – Mid 2018

Catchment Area of KTAC and KTTS

Annex 1



TO BE CONSTRUCTED
BY THE DRAINAGE SERVICES
DEPARTMENT

* 請參閱附件二的構想圖
PLEASE REFER TO
ARTIST'S IMPRESSION
IN ENCLOSURE 2

—— 工程界限
PROJECT BOUNDARY

----- 現有啓德明渠
----- EXISTING KAI TAK NULLAH

擬建淤泥清理站
PROPOSED DESILTING COMPOUND

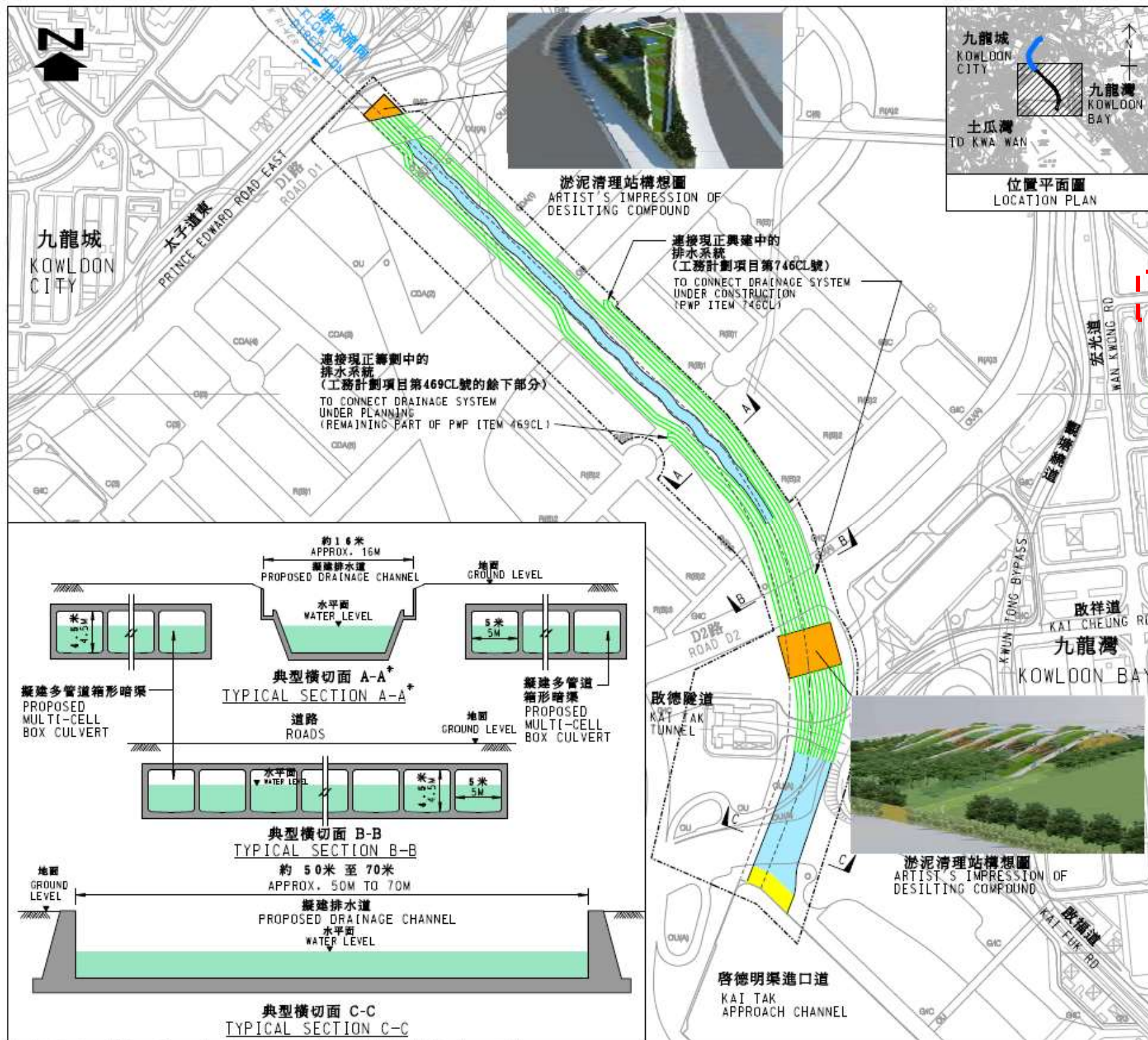
PROPOSED MULTI-CELL
BOX CULVERT

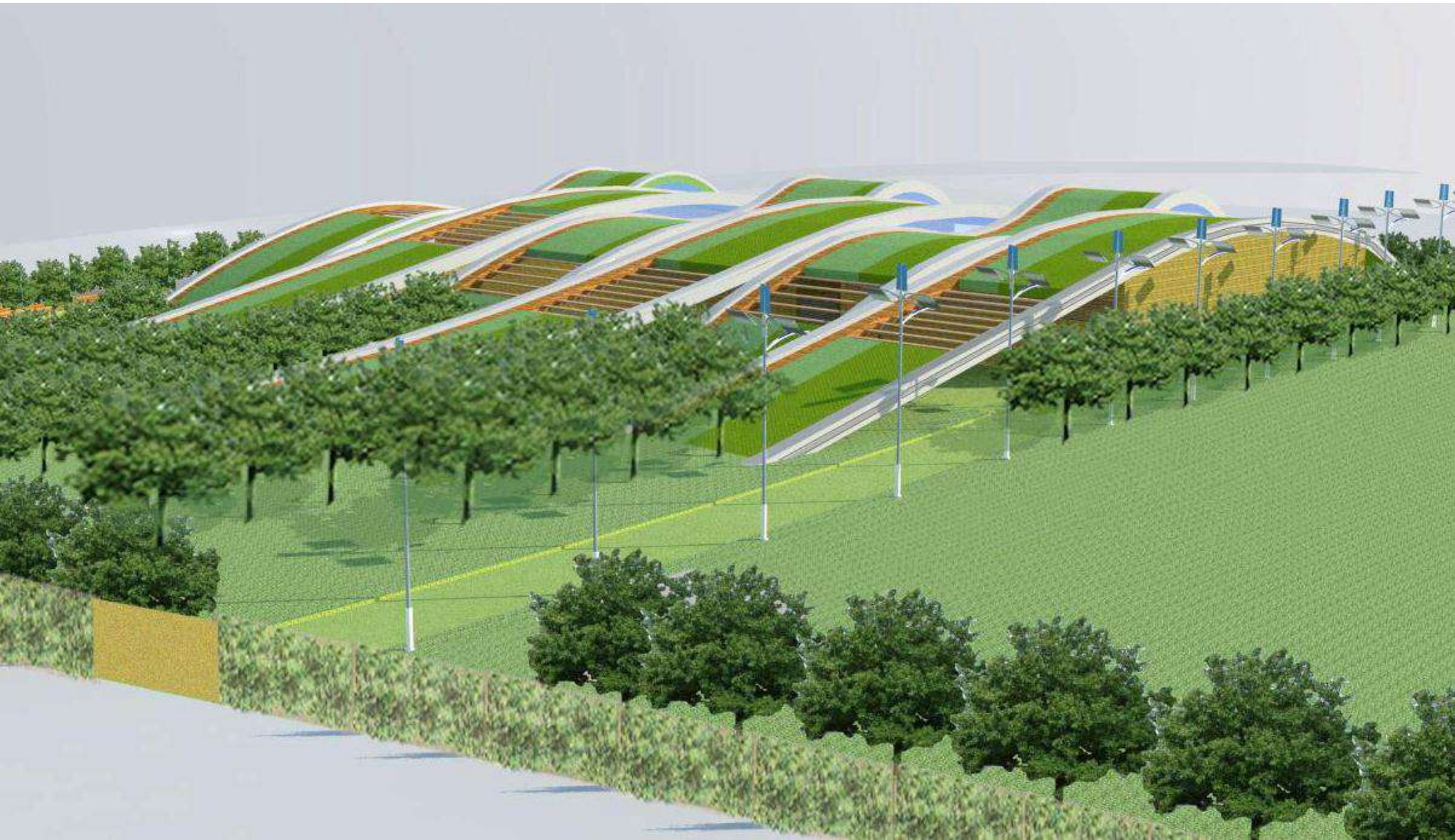
 擬建排水道
PROPOSED DRAINAGE CHANNEL

擬建海濱長廊平台
PROPOSED DECK FOR
WATERFRONT PROMENADE

圖則名稱 drawing title

啟德明渠重建及改善工程-平面圖
RECONSTRUCTION AND
UPGRADING OF KAI TAK
NULLAH
-LAYOUT PLAN





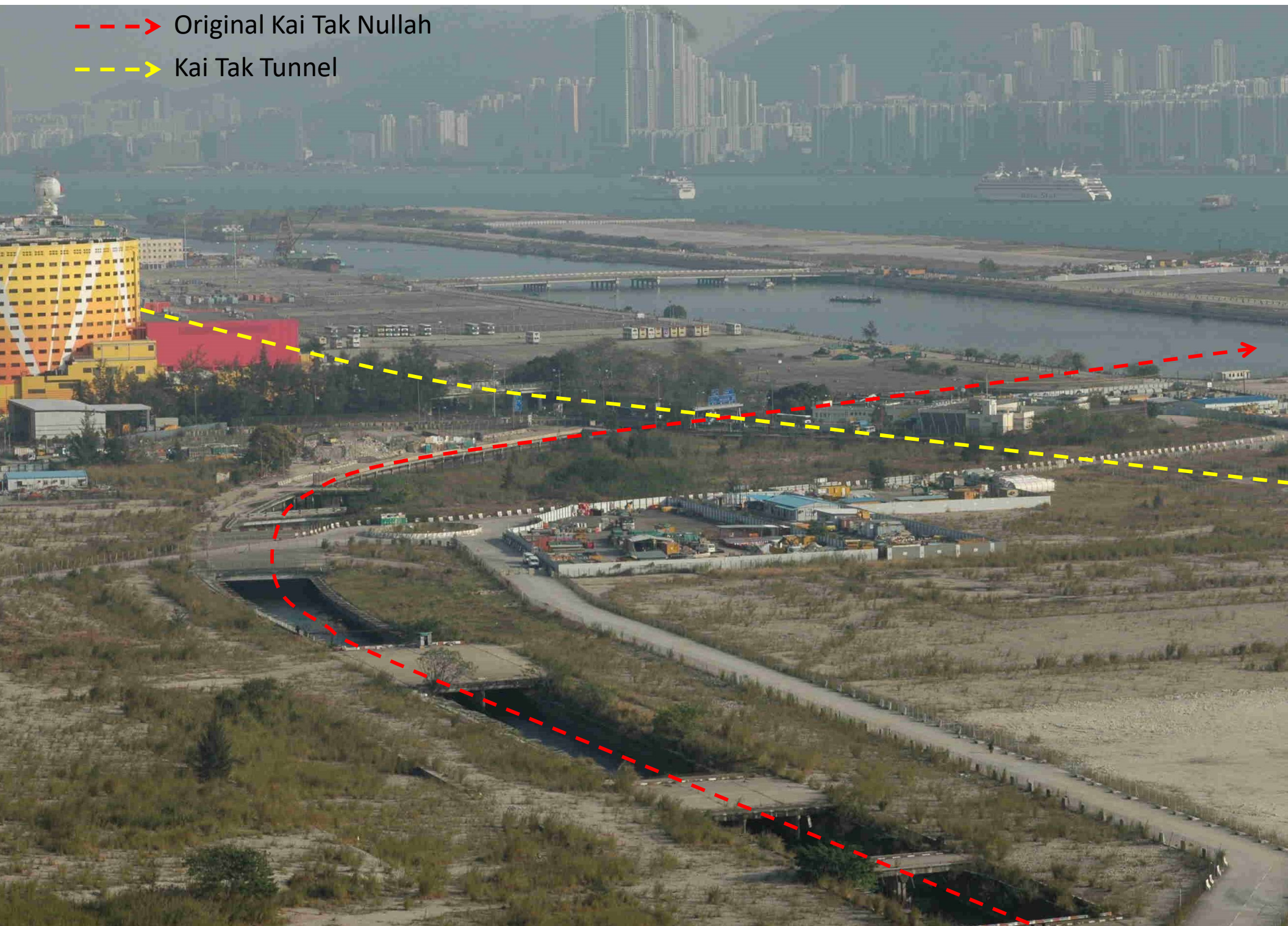
Landscape work to be provided to make the di-silting compound looks green and natural that merged to the overall environment.





---> Original Kai Tak Nullah

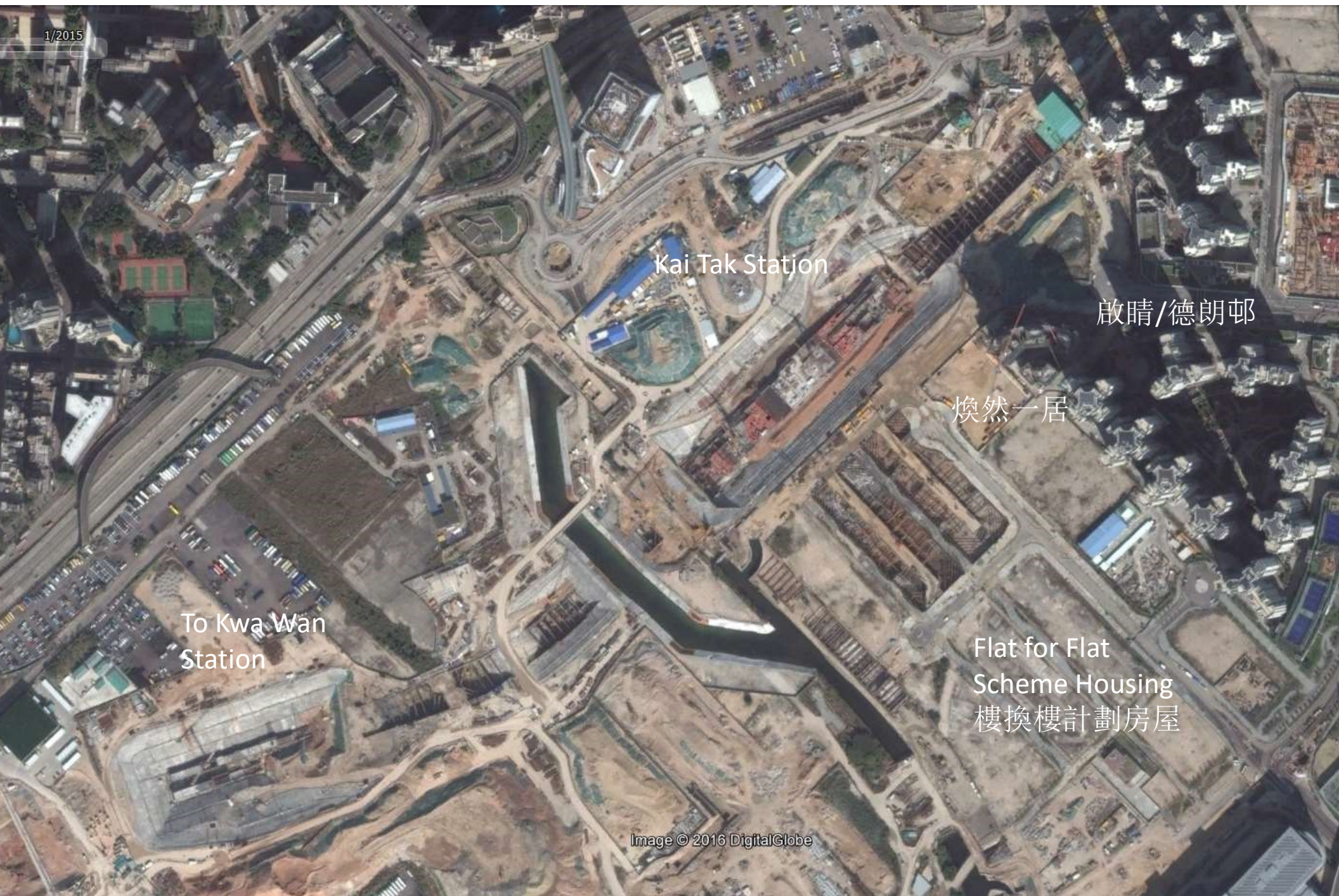
---> Kai Tak Tunnel





Kai Tak Nullah inside the
Kai Tak Airfield as seen in 2011





Kai Tak area as seen in early 2015



Original Kai Tak Nullah partially diverted as seen in 2014

temporary
nullah

Exiting nullah
to be diverted



temporary roadway crossing
the temporary nullah





New culvert box under construction as in 2016













Casting the
box culvert



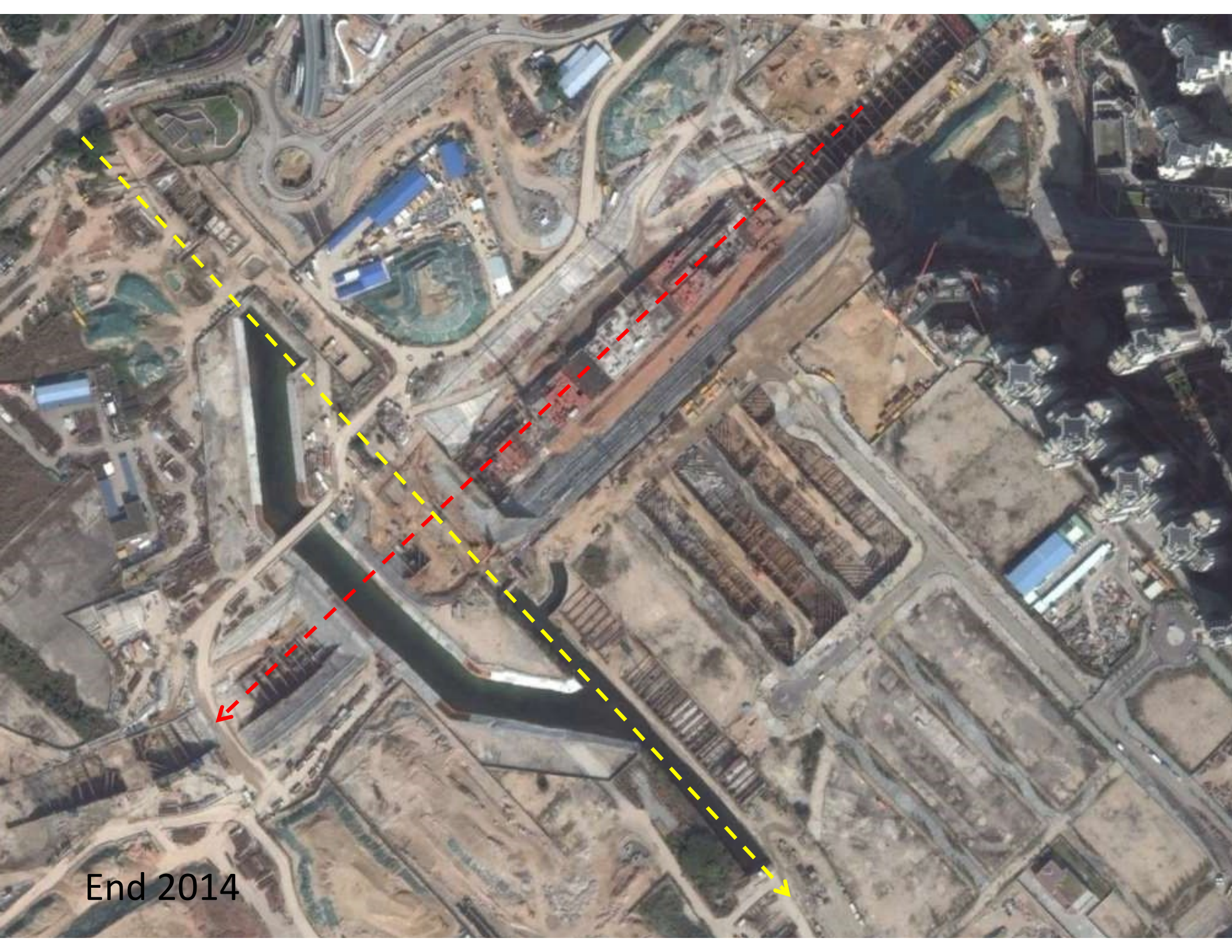


Landscaping work inside the nullah

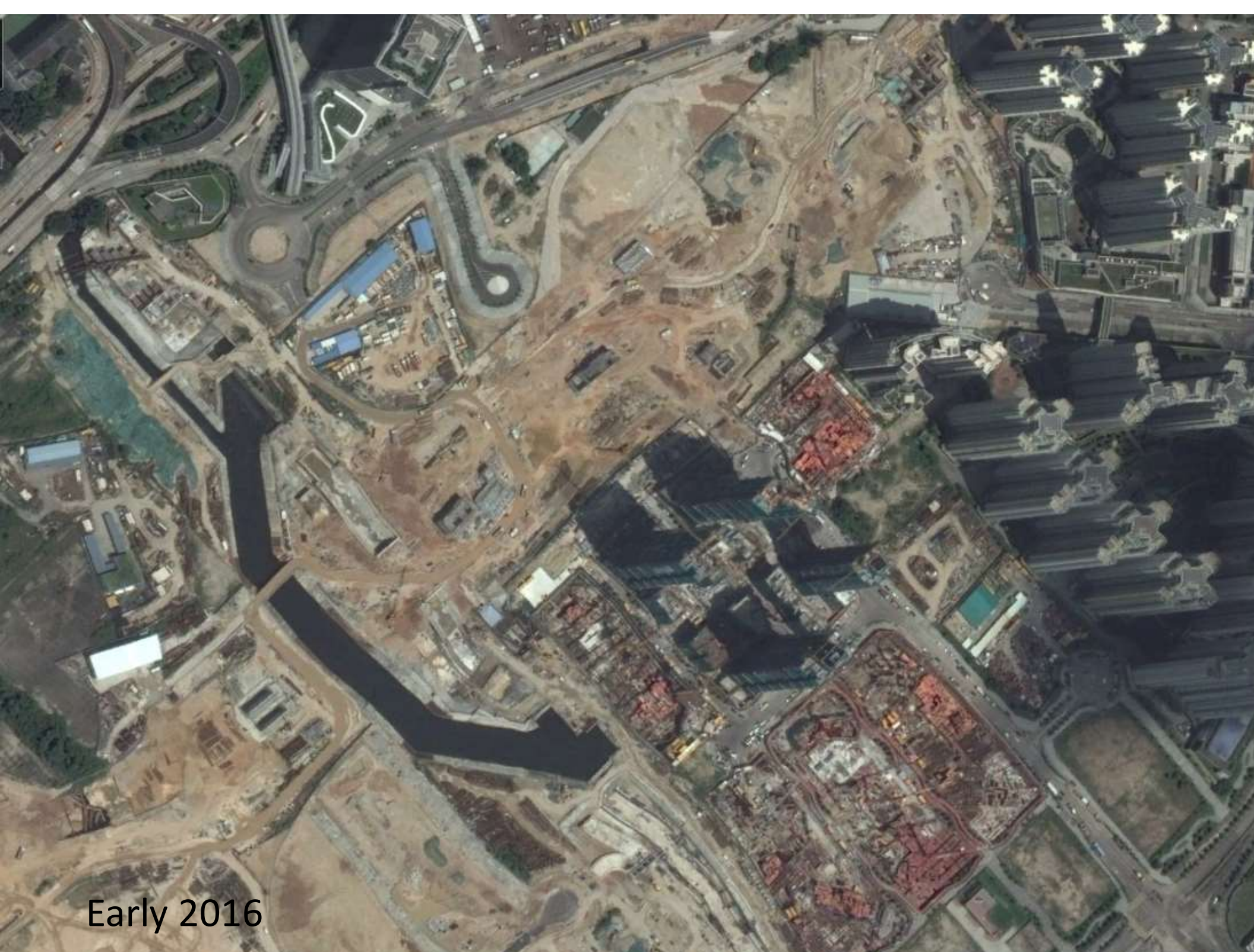




One of the most challenging point of the SCL at Kai Tak
– the tunnel tube crossing the new nullah tube,
both are constructed using cut-and-cover method



End 2014



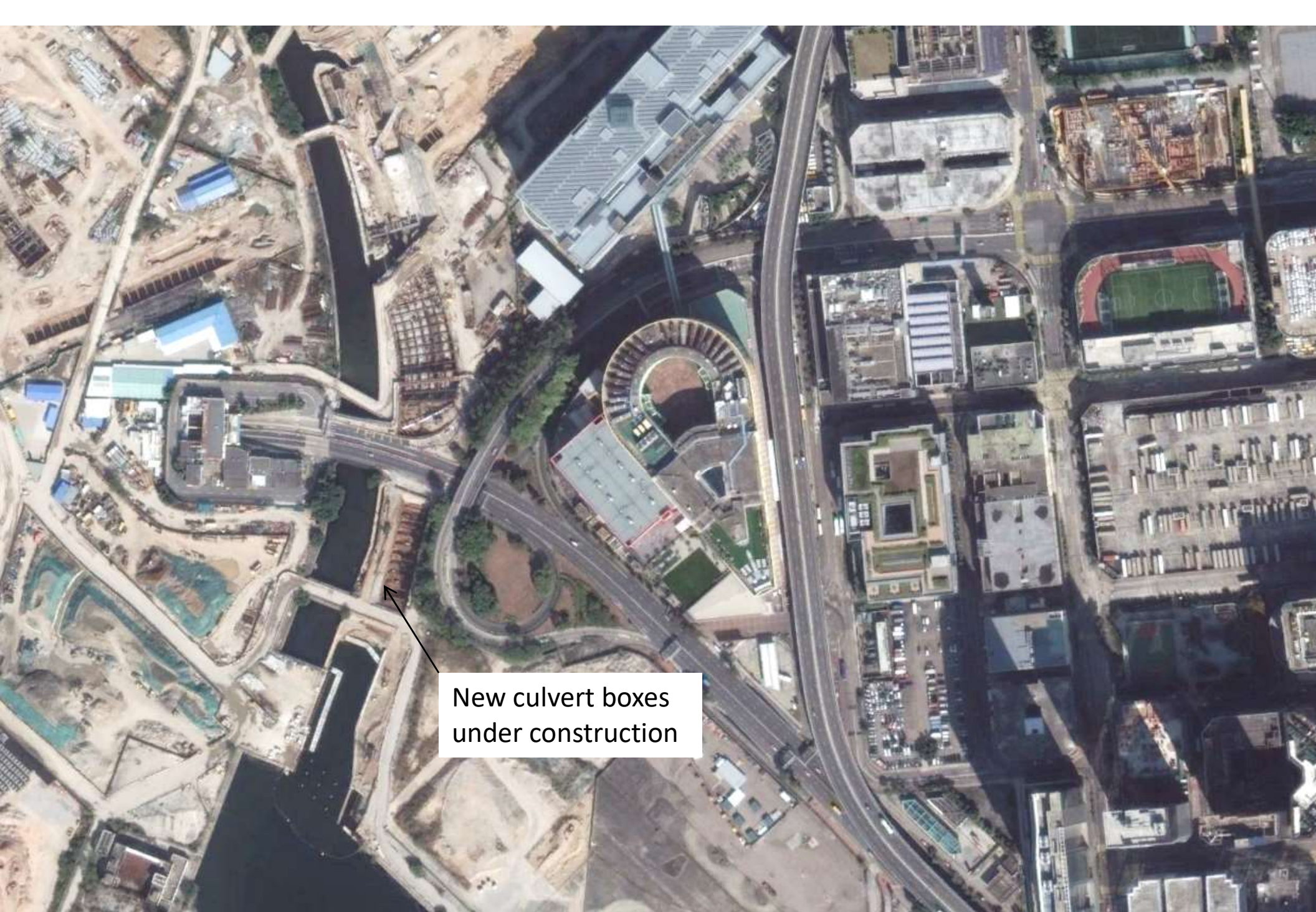
Early 2016



mid 2016



Early 2017



Outfalling point of Kai Tak Nullah onto the Kai Tak Approach Channel (early 2015)



Temporary traffic and carriage diversion arrangement for the Kai Tak Tunnel and the outfall of the Kai Tak Nullah

Section of nullah
crossing the
Kai Tak Tunnel

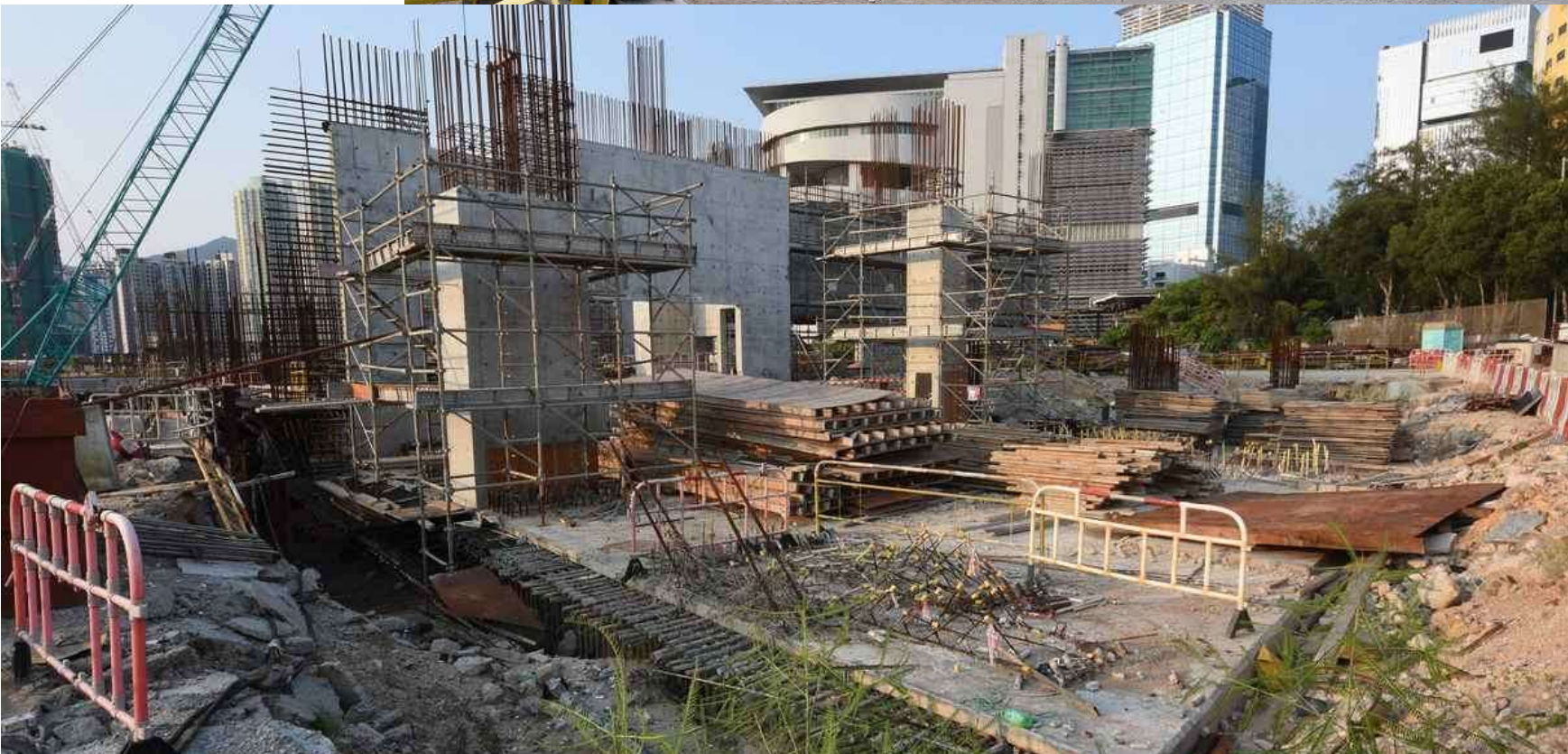


Desilting facility

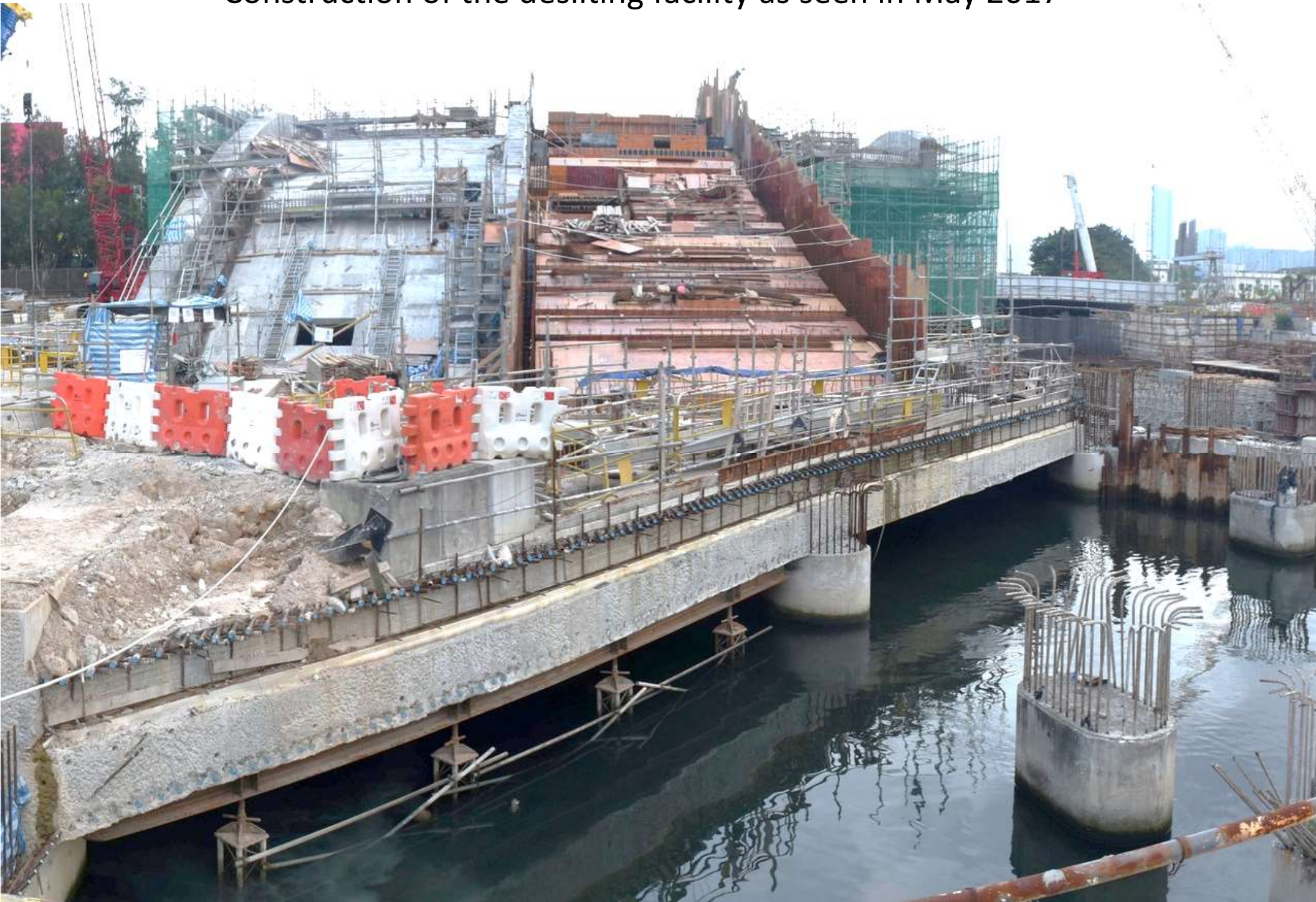
Construction of the desilting facility as seen in July 2016



Construction of the desilting facility
as seen in July 2016



Construction of the desilting facility as seen in May 2017







Nullah outfall towards the Kai Tak Approach Channel







Outfall into the Kowloon Bay
as seen in early 2016







An artistic impressive drawing of the completed landscape