



# Topical Study on the Proposed Boardwalk underneath Island Eastern Corridor

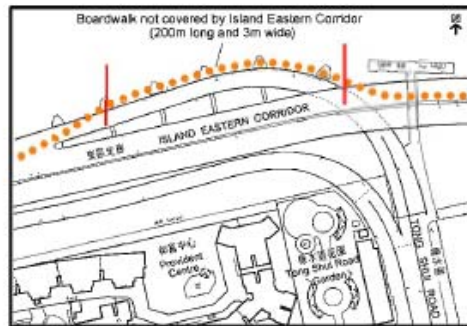
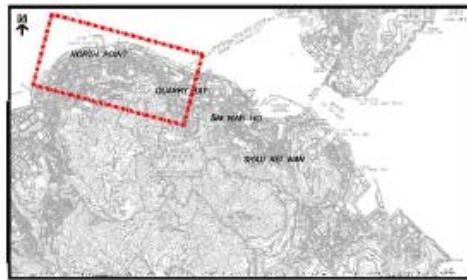
**30 October, 2012**

# Background of Topical Study

- A planning initiative proposed under the Hong Kong Island East Harbour-front Study (HKIEHS).
- The proposal received good support at the 3-stage Public Engagement Programme
- This topical study commenced in Feb 2012 to
  - (i) investigate the preliminary engineering feasibility of the proposed boardwalk under the existing Island Eastern Corridor (IEC); and
  - (ii) assess the possible implication of the Protection of the Harbour Ordinance (PHO) on the proposal



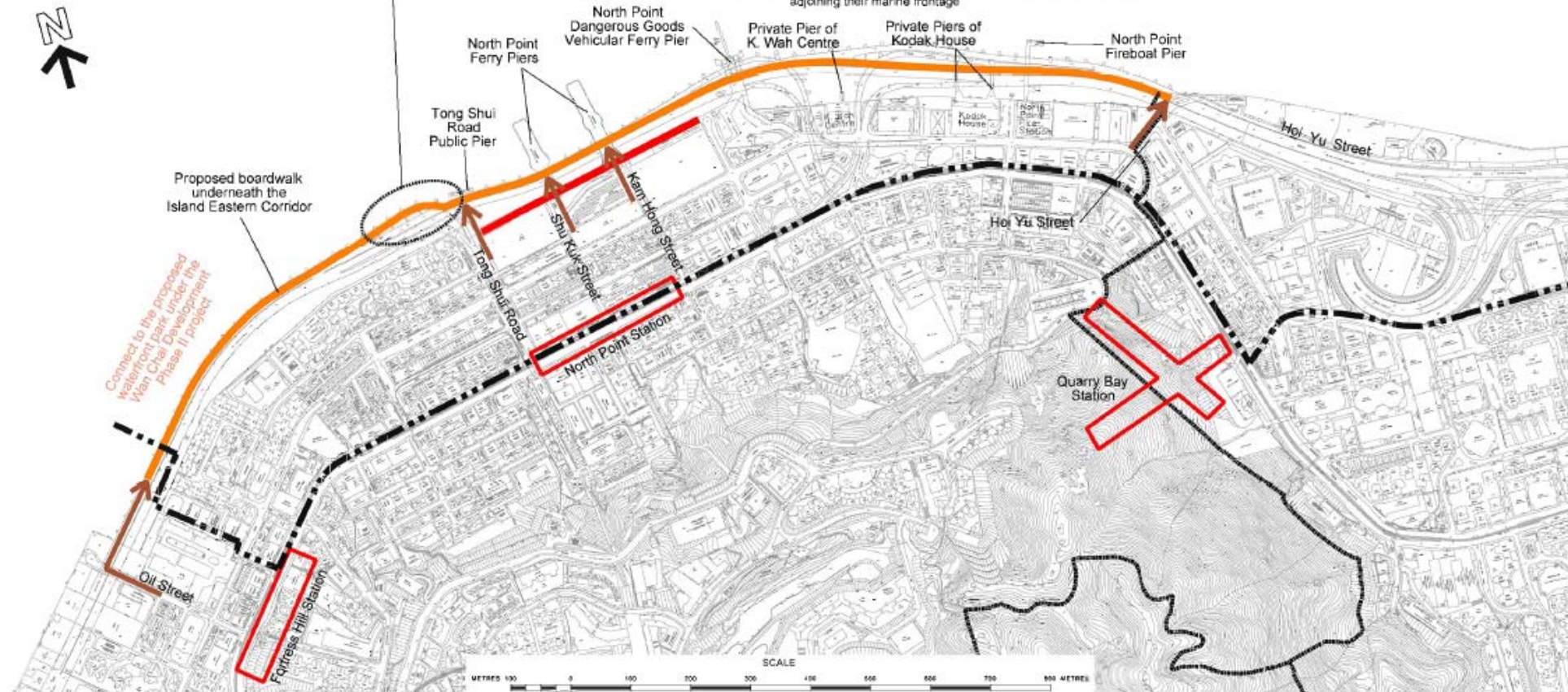
# Alignment of the Proposed Boardwalk under HKIEHS



Bascule bridges could be constructed at appropriate locations of the boardwalk to allow access of the vessels to the existing piers adjoining their marine frontage

**Legend**

- Study Area Boundary
- OZP Boundary
- Existing MTR Station
- Extent of the Boardwalk
- Proposed 20m wide Waterfront Promenade of the ex-North Point Estate Site
- ← Connection Point between the Hinterland & the Boardwalk



Connect to the proposed waterfront park under the Wan Chai Development Phase II project



# Original Scheme under HKIEHS



Proposed Boardwalk under the IEC



Proposed Boardwalk under the IEC

- Walkway located between piers
- Low-level on top of pile caps

# Original Scheme under HKIEHS

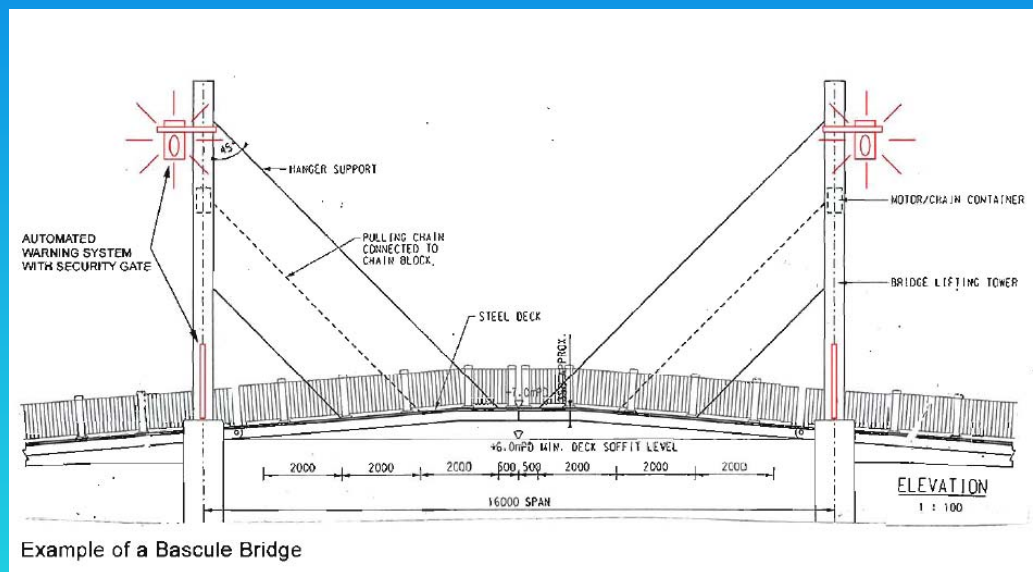


Proposed waterfront promenade along Ex-North Point Estate site

**Integration with North Point Passengers Ferry Pier (北角渡輪碼頭)**



# Original Scheme under HKIEHS



Middle level at North Point Fireboat Pier (北角消防救火船碼頭)

# Proposed Enhancements to Original Scheme under Topical Study



# Issues for to be addressed

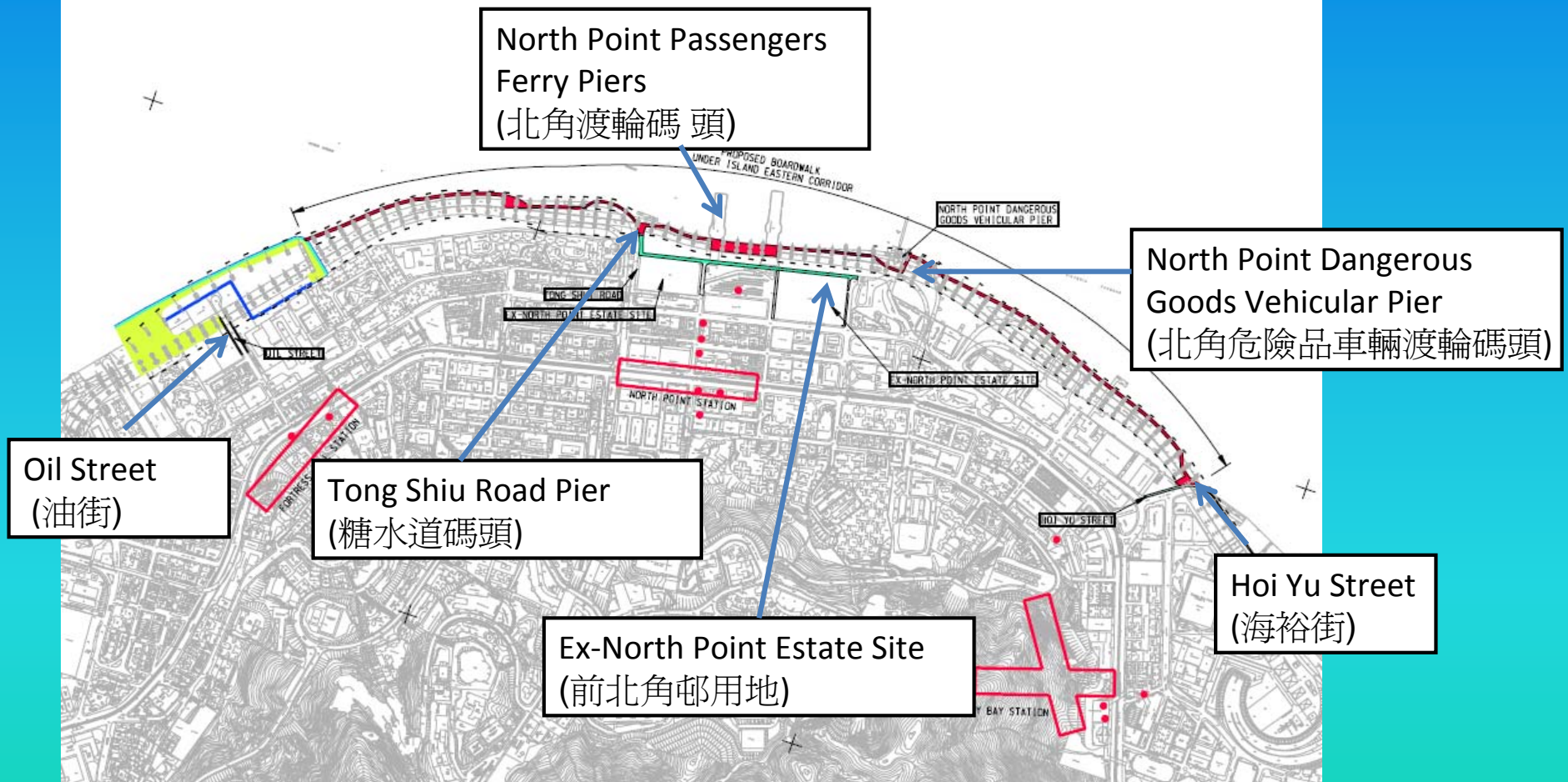
- **Low level boardwalk**
  - **hinders marine rescue and access**
  - **is difficult for maintenance and inspection**
  - **causes serviceability and safety problem due to seawater intrusion under adverse weather**
  - **might have impact on existing users of the water bodies in the vicinity and might have potential PHO implications**



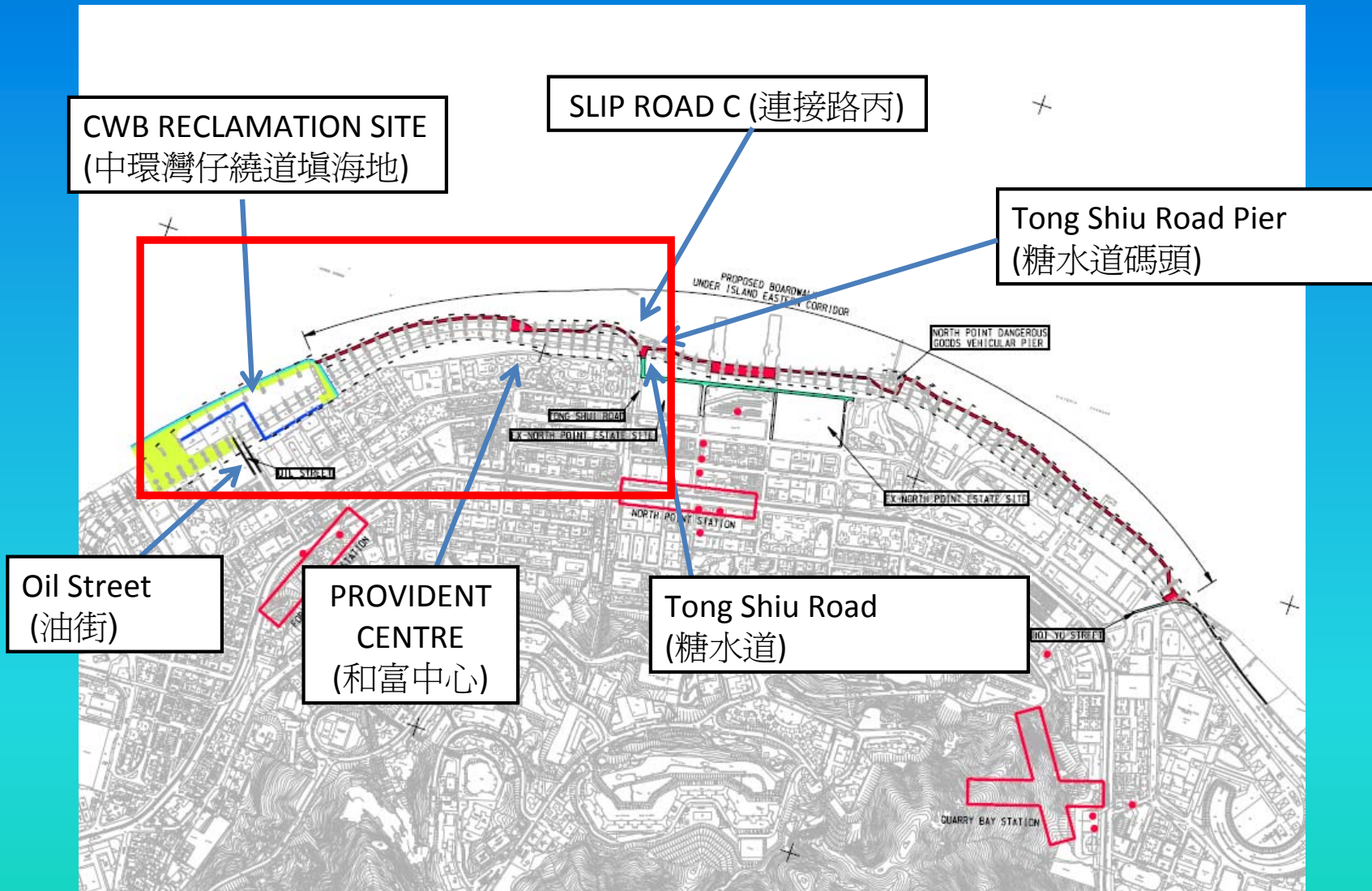
# ACCESSIBILITY - CONNECTIONS TO HINTERLAND

Boardwalk width = 3.5m to 8m

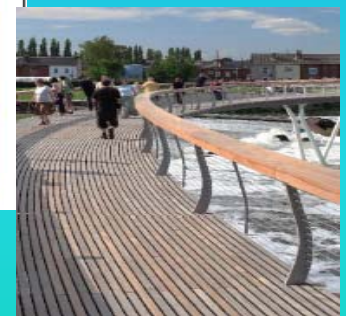
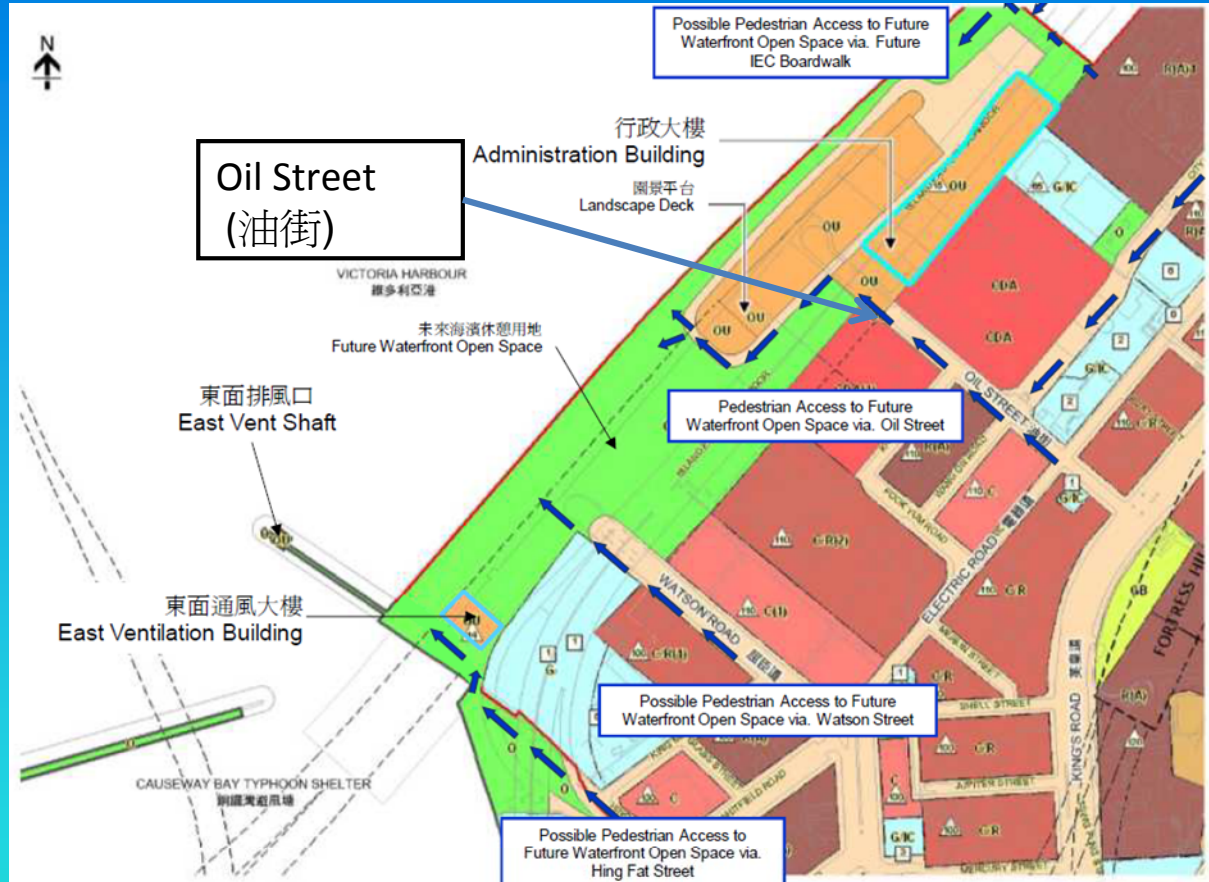
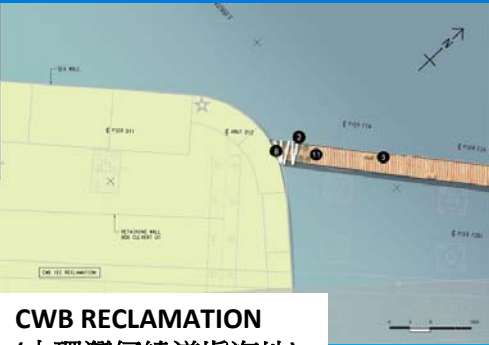
Total Length = 2km approx.



# (A) From Oil Street (油街) to Tong Shiu Road (糖水道)



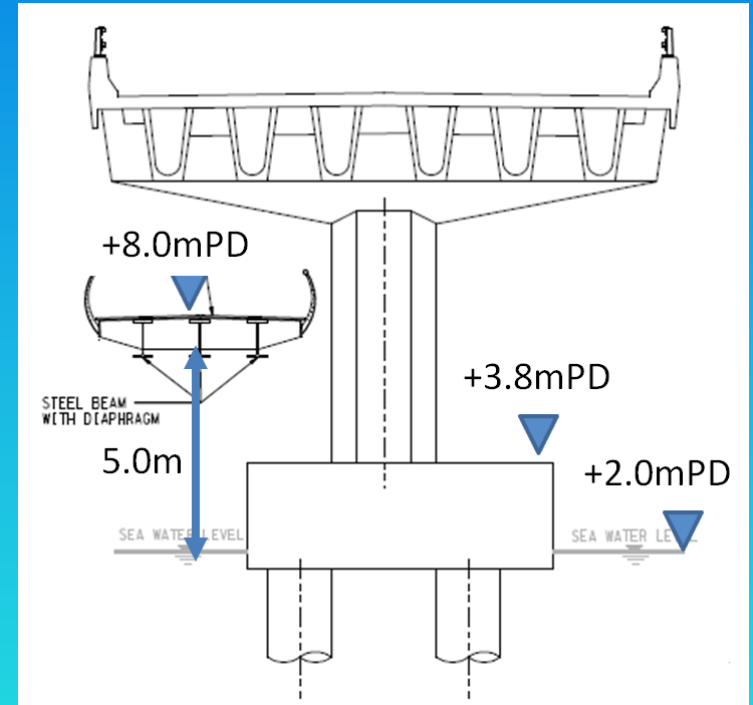
# ACCESS AT CWB RECLAMATION SITE (中環灣仔繞道填海地)



**REMARK:**  
**PROPOSED BOARDWALK**  
**ELEVATED TO ALLOW VESSEL**  
**ACCESS**



# WALKWAY AT PROVIDENT CENTRE (和富中心)



**REMARK:**  
**PROPOSED BOARDWALK AT  
SEAWARD SIDE OF IEC COLUMNS**

# PROPOSED VIEWING PLATFORM AT PROVIDENT CENTRE (和富中心對出觀望台)



# SLIP ROAD C (連接路丙)



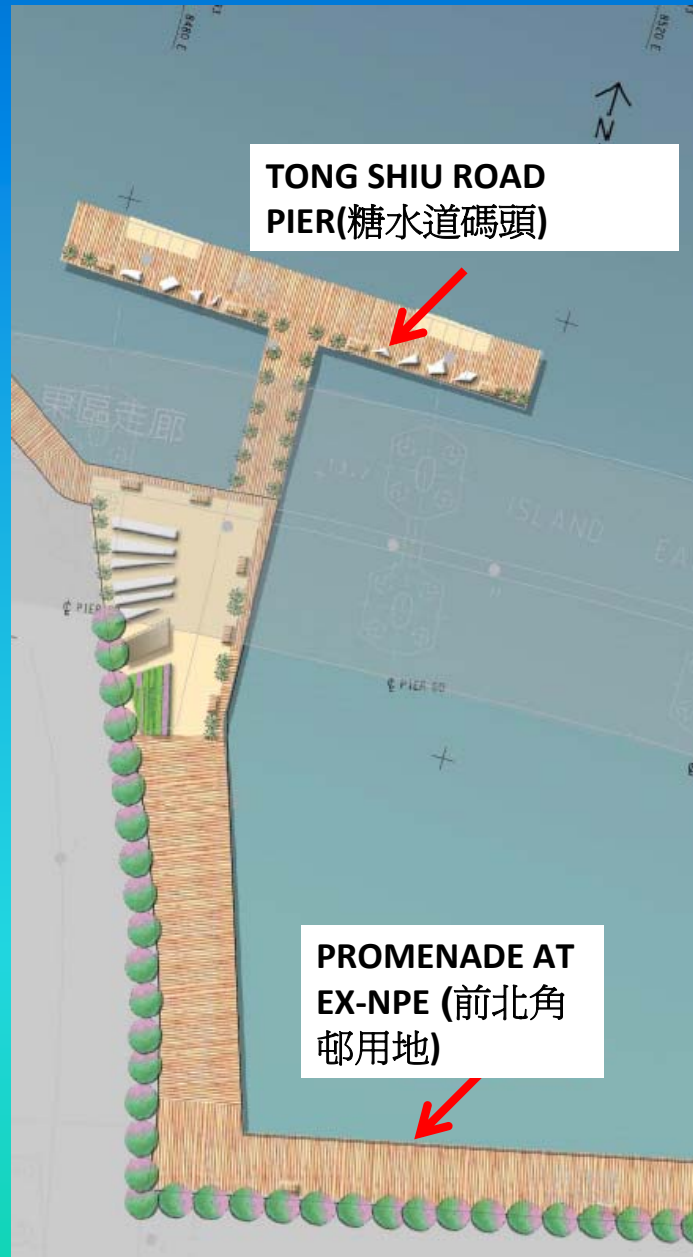
Existing Condition



After Construction

**REMARK:  
PROPOSED  
BOARDWALK RESTS  
ON EXISTING  
DOLPHINS**

# TONG SHIU ROAD PIER(糖水道碼頭)



**REMARK:**  
EX-NORTH POINT ESTATE  
SITE IS USED TO REDUCE  
AFFECTED HARBOUR AREA





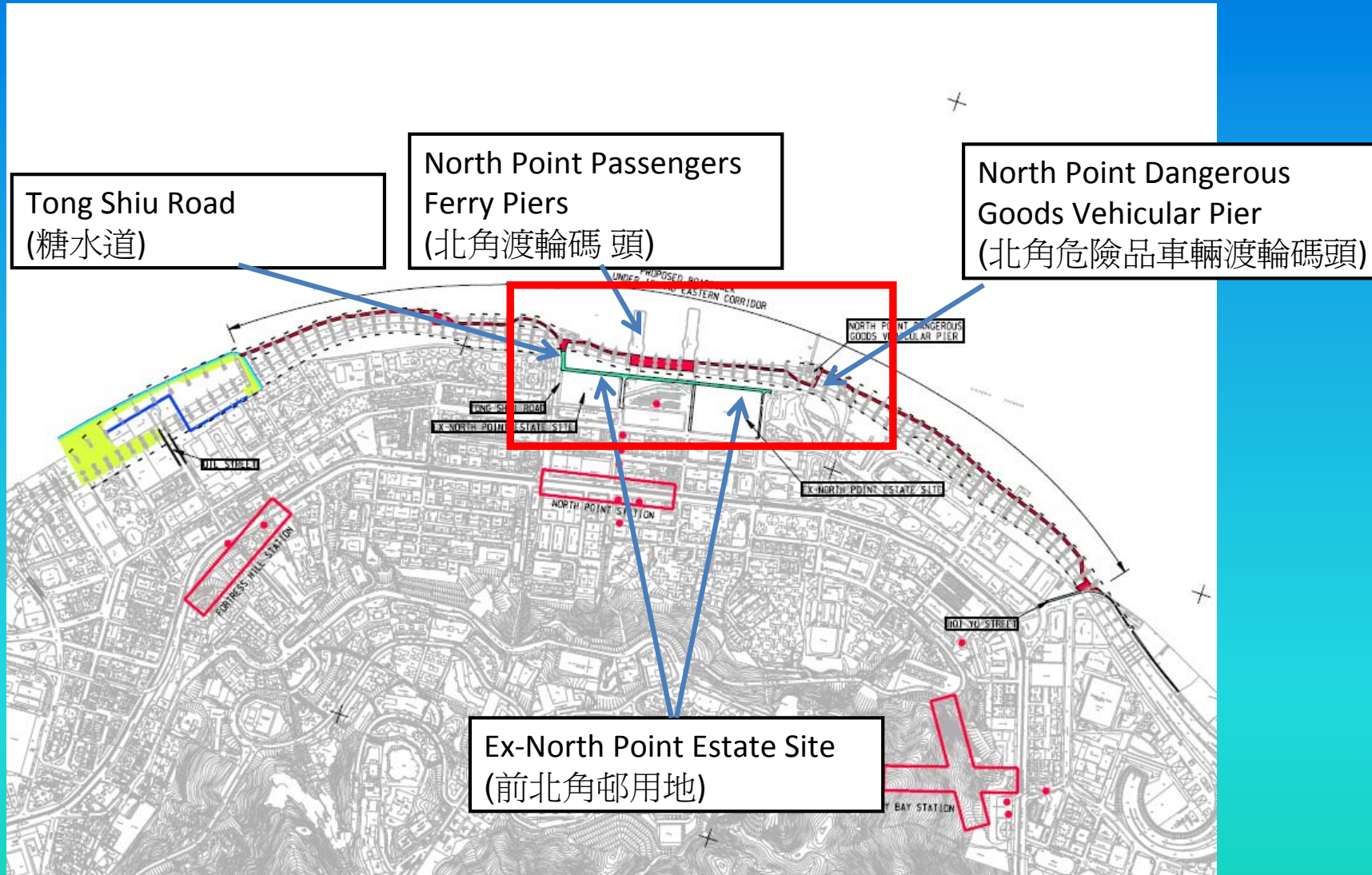
**ACCESS TO TONG SHIU ROAD PIER**  
(糖水道碼頭)

**ACCESS TO PROMENADE AT EX-NPE**  
(前北角邨用地)



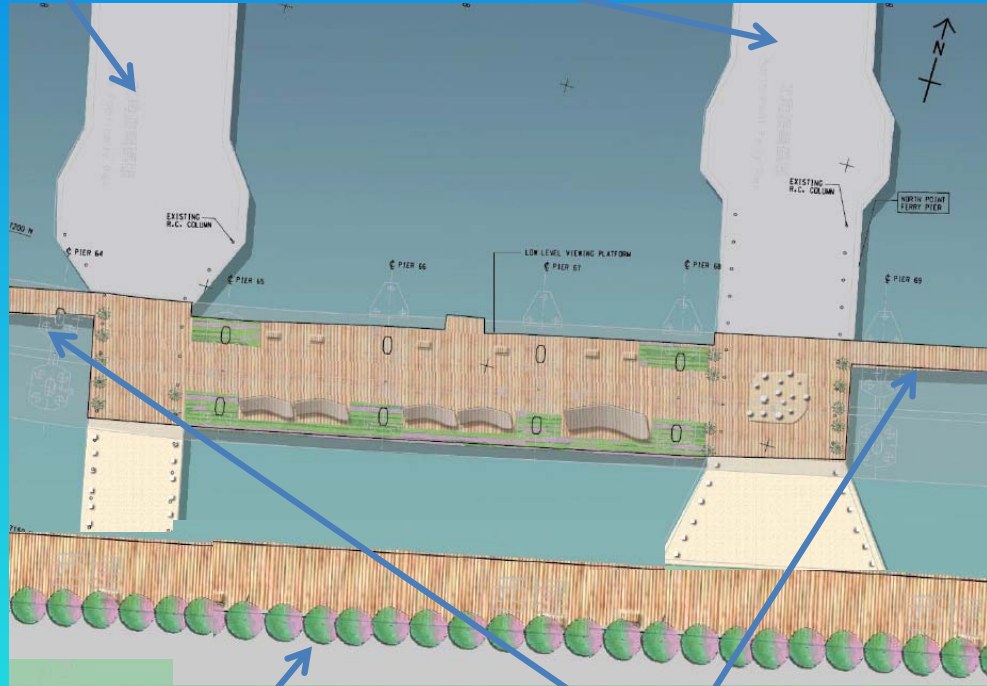


# (B) From Tong Shiu Road (糖水道) to North Point Dangerous Goods Vehicular Pier (北角危險品車輛渡輪碼頭)



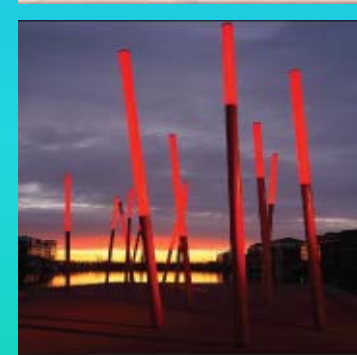
# (Option 1) New boardwalk joining North Point Ferry Piers (北角渡輪碼頭)

North Point Passengers  
Ferry Piers  
(北角渡輪碼頭)



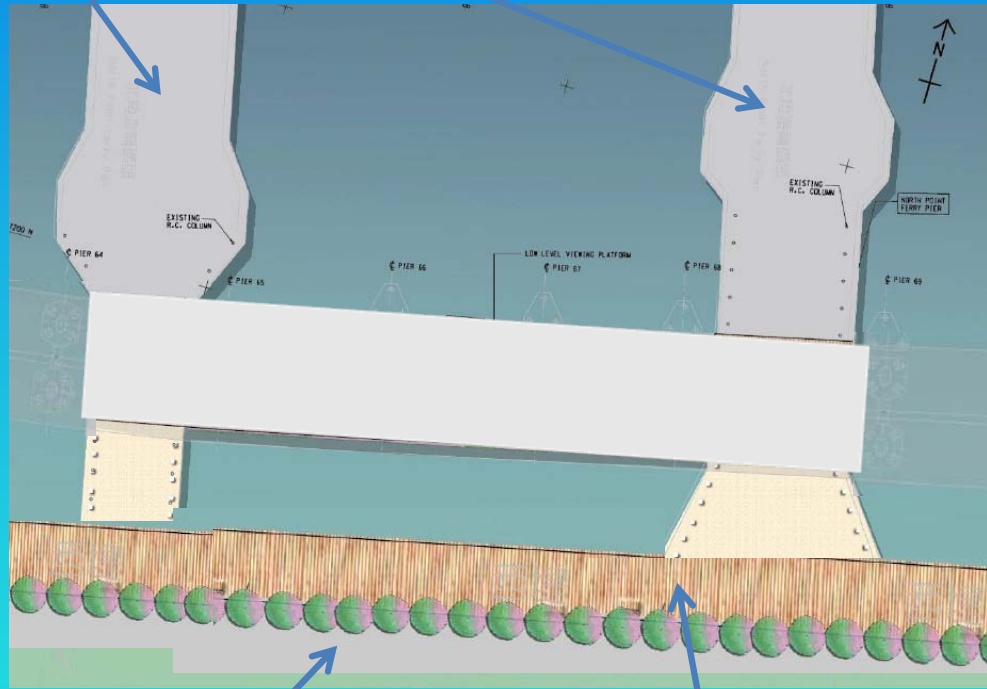
Ex-North Point Estate Site  
(前北角邨用地)

New Boardwalk



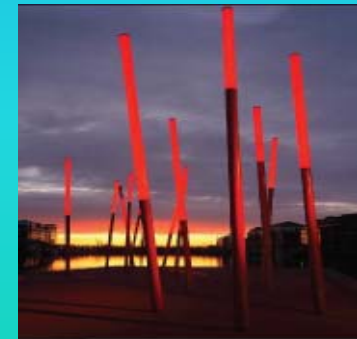
# (Option 2) New waterfront promenade fronting ex-North Point Estate (前北角邨用地)

North Point Passengers Ferry Piers (北角渡輪碼頭)



Ex-North Point Estate Site (前北角邨用地)

New Waterfront Promenade



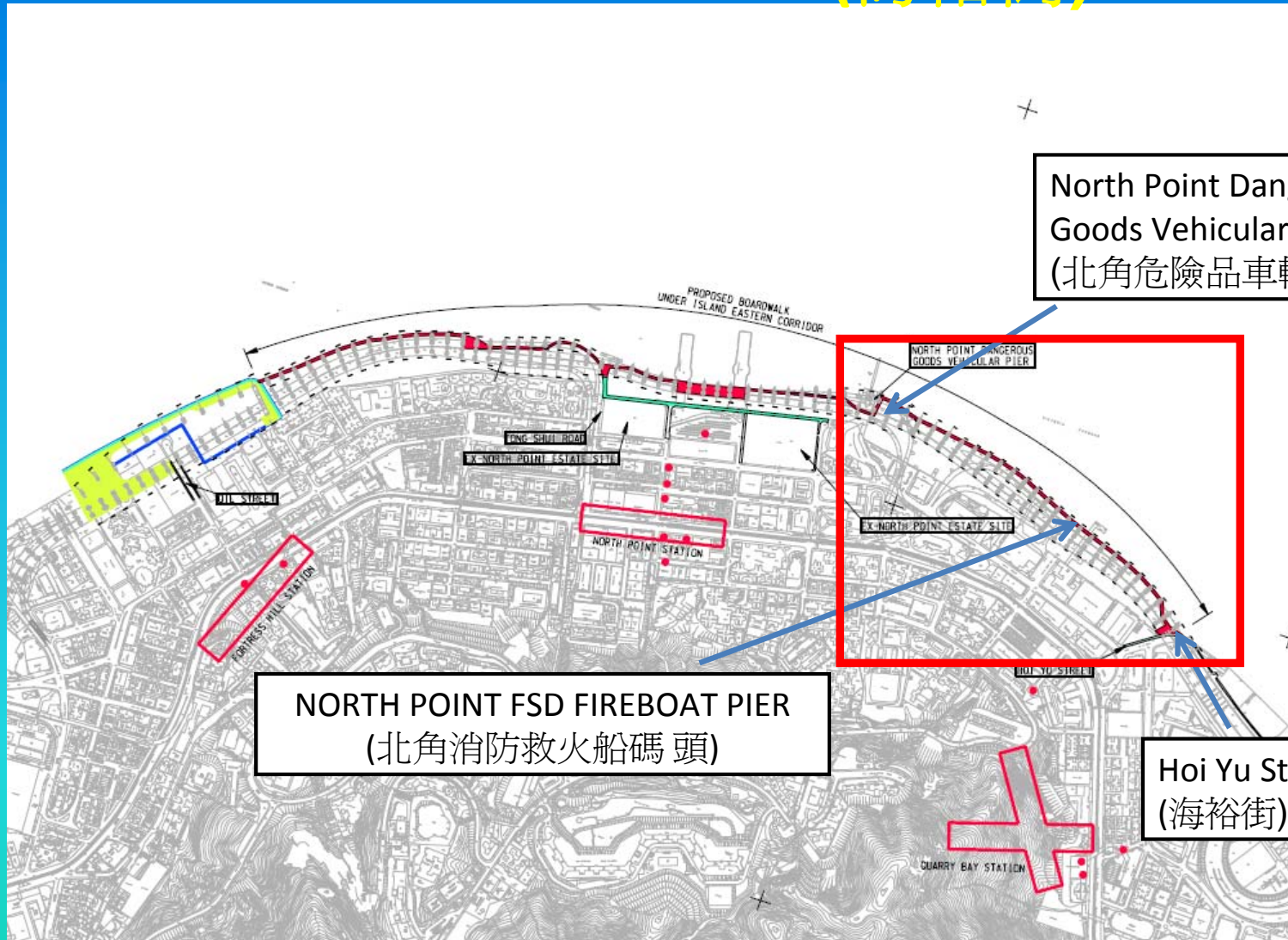
# ACCESS AT NORTH POINT DANGEROUS GOODS VEHICULAR PIER (北角危險品車輛渡輪碼頭)



**REMARK:**  
UPPER DECK OF NORTH  
POINT DANGEROUS  
GOODS VEHICULAR PIER  
IS USED (北角危險品車  
輛渡輪碼頭)



# (C) From North Point Dangerous Goods Vehicular Pier to Hoi Yu Street (海裕街)



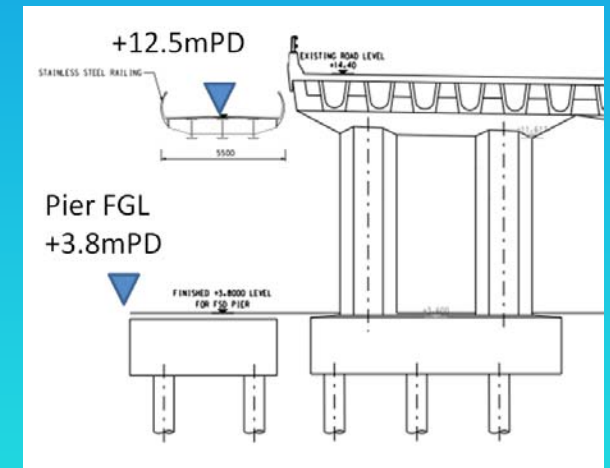
North Point Dangerous Goods Vehicular Pier  
(北角危險品車輛渡輪碼頭)

NORTH POINT FSD FIREBOAT PIER  
(北角消防救火船碼頭)

Hoi Yu Street  
(海裕街)



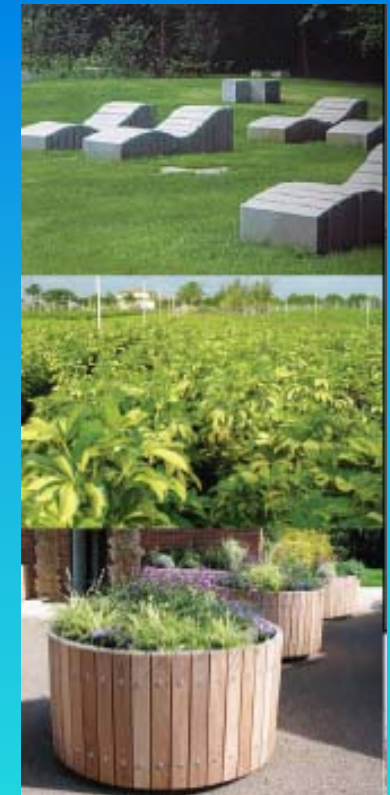
# NORTH POINT FSD FIREBOAT PIER(北角消防救火船碼頭)



**REMARK:**  
**ELEVATED BOARDWALK TO**  
**ALLOW VESSEL ACCESS**



# ACCESS AT HOI YU STREET (海裕街)



**REMARK:**  
**PLAZA PROPOSED**  
**AT HOI YU STREET**  
**(海裕街)**

# PERSPECTIVE AT HOI YU STREET (海裕街)



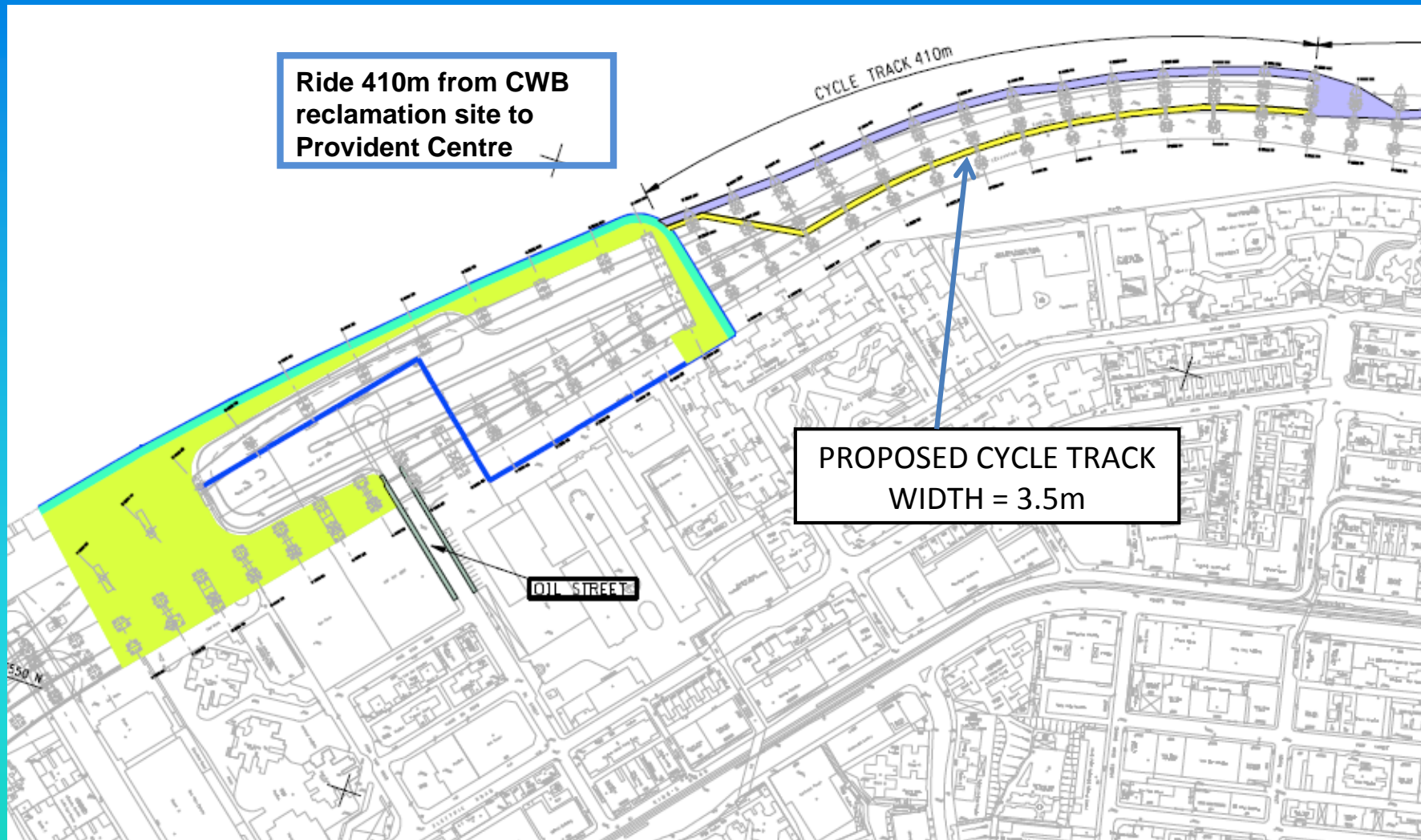
PROPOSED WALKWAY WITHOUT CYCLE TRACK



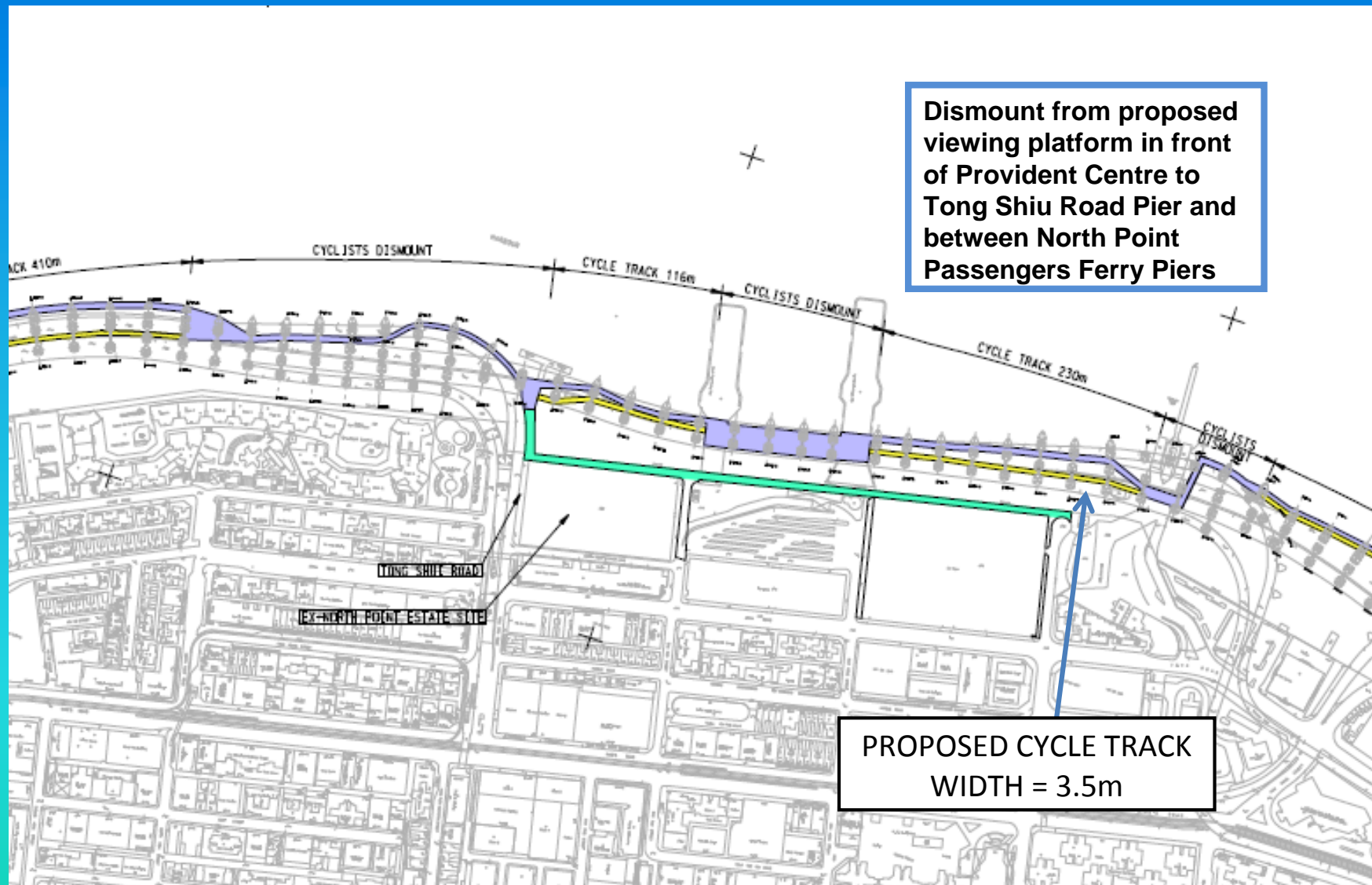
# Other Issues



# Provision of Cycle Track

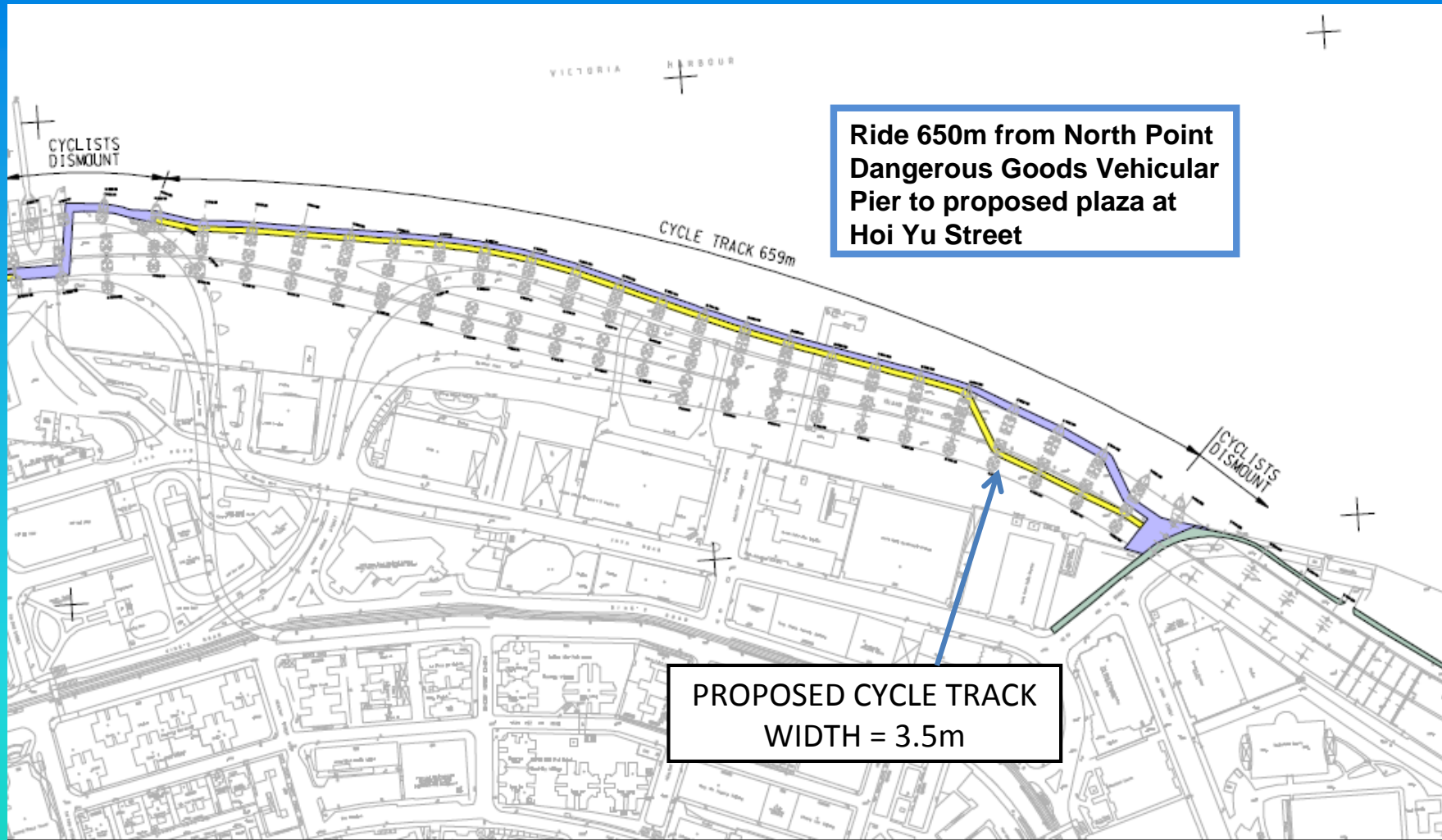


# Provision of Cycle Track



Dismount from proposed viewing platform in front of Provident Centre to Tong Shiu Road Pier and between North Point Passengers Ferry Piers

# Provision of Cycle Track



# PROPOSED STRUCTURAL FORMS



**CABLE STAYED**



**DIRECTLY REST ON PILE CAP**

# PROPOSED STRUCTURAL FORMS



ARCH BRIDGE

# PHO IMPLICATIONS

- PHO implications of the proposed boardwalk is still being studied
- Whether the construction of the proposed boardwalk involves reclamation and whether there is an “overriding public need” for constructing the boardwalk are still needed to be explored



# WAY FORWARD

- The recommended alignment is considered to be technically feasible
- Design, implementation, management and maintenance issues are needed to be addressed in subsequent stages of the project
- Whether the PHO implications (with or without cycle track) are insurmountable has to be further examined





Thank you

Q&A

