

Airport Railway Extended Overrun Tunnel (ARO)

Harbourfront Commission

Task Force on Harbourfront Developments on Hong Kong Island Meeting

28 November 2025

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



01. ARO Background

Updated Layout Plan of ARO



Legend

-  Proposed Tunnels of ARO / ARB basement
-  Proposed Ventilation cum Emergency Access Building (ARB)
-  Existing Hong Kong Station
-  Existing Tung Chung Line and Airport Express Line

Purpose of ARO Project

- To support the increasing transport demand from Lantau developments, including the Tung Chung New Town Extension
- To support the operation needs for tunnel ventilation and emergency access to tunnel



02. Ventilation cum Emergency Access Building (ARB) Proposal

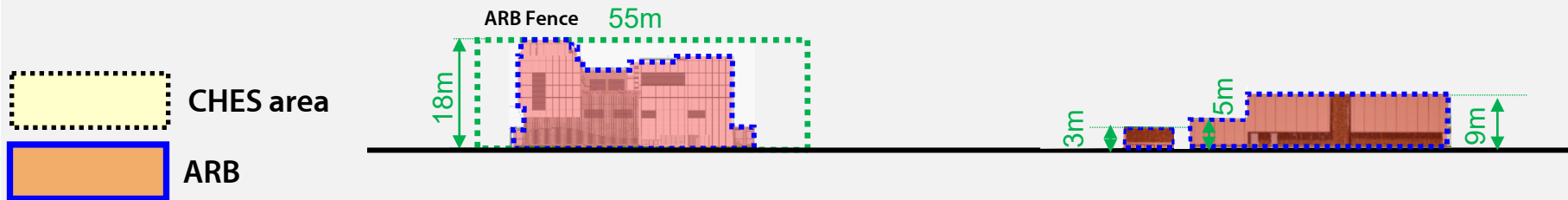
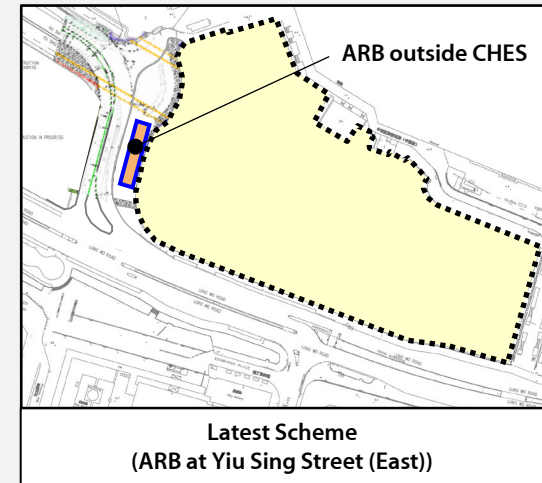
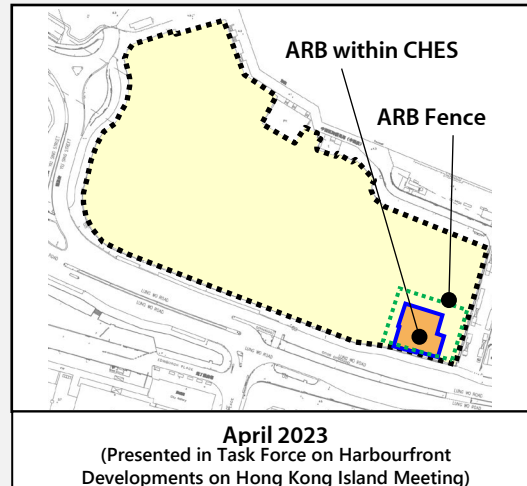
No Permanent Occupation at CHES



	April 2023	Latest Scheme
Permanent Occupation	2,500m ²	NO OCCUPATION

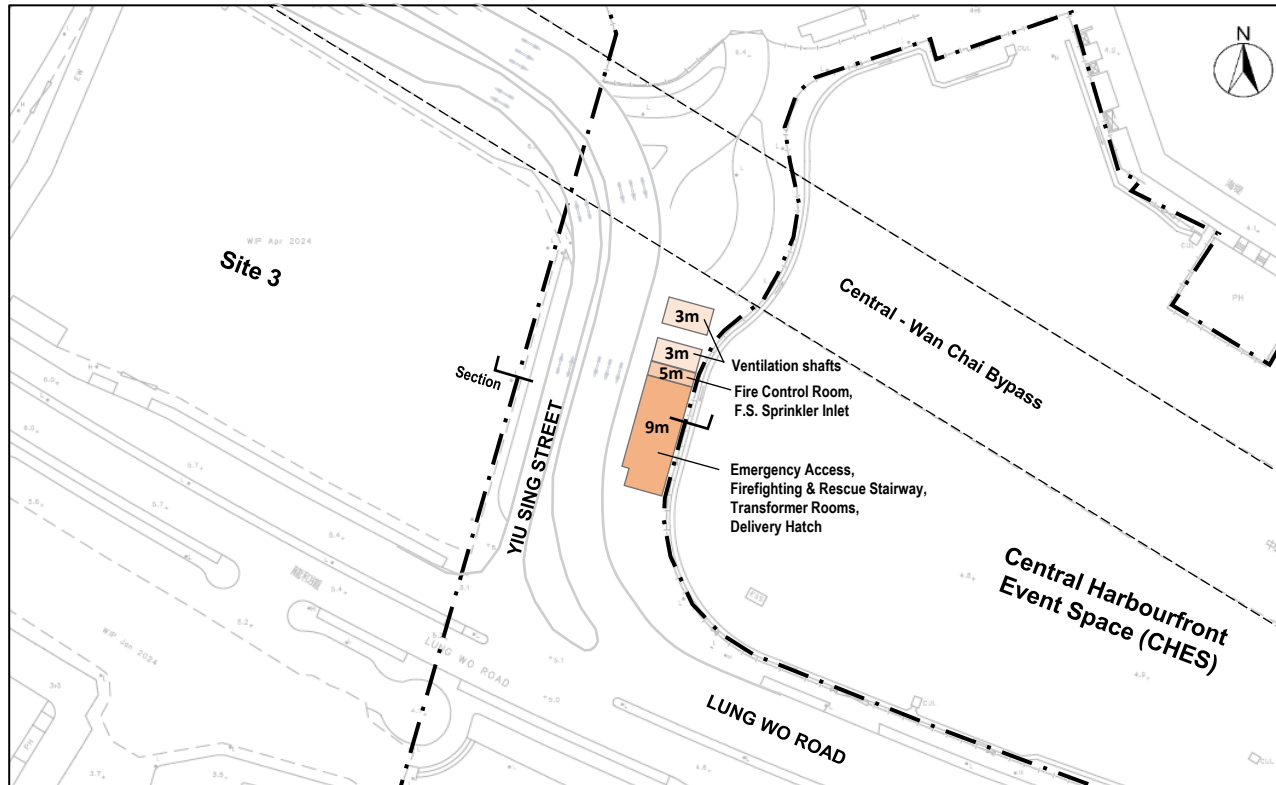
ARB building at Yiu Sing Street East outside CHES

ARB Location and Size



	Apr 2023	Latest Scheme
Building Height	Max. 18m	3m to 9m
Ground Level Footprint	Max. 55m x 40m	Approx. 12m x 52m

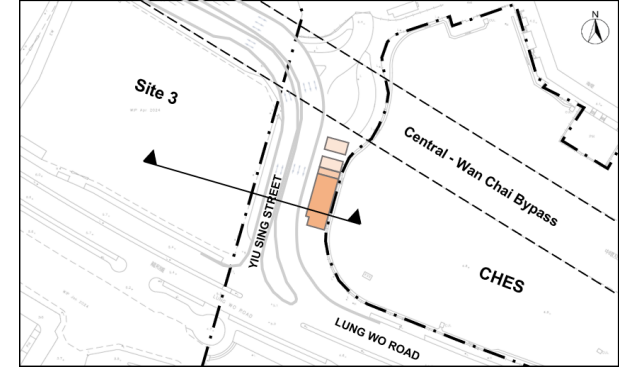
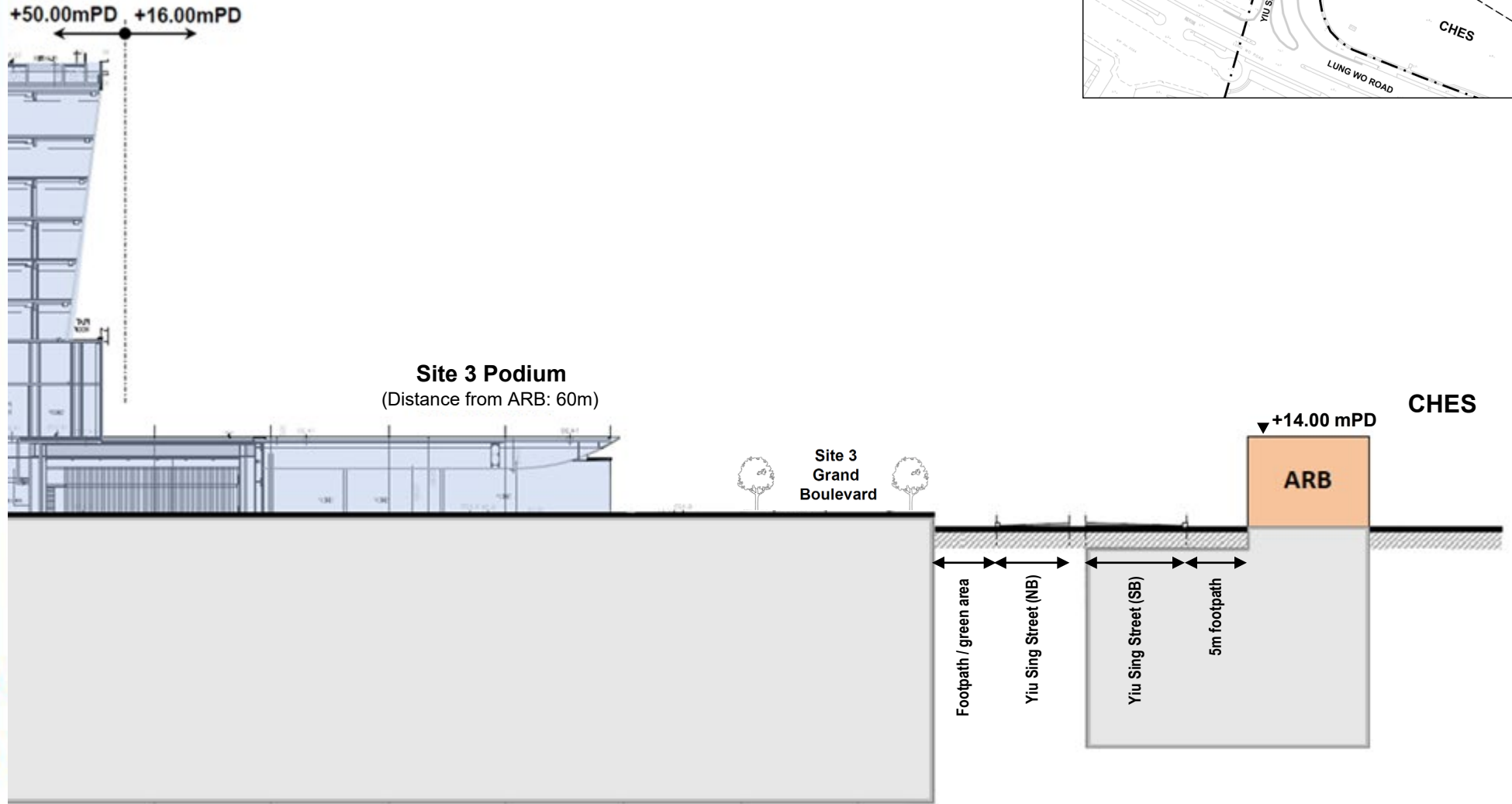
ARB Design Scheme



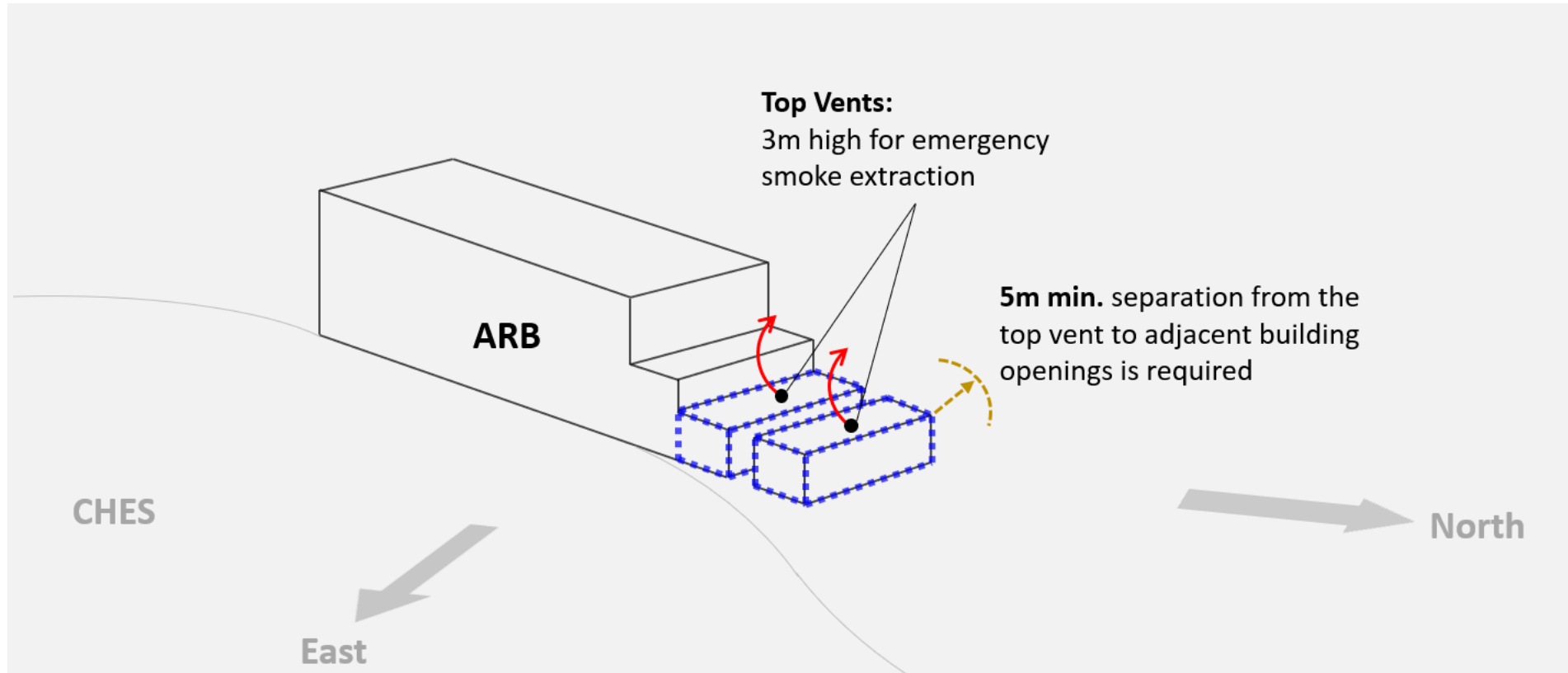
Latest Scheme

- ARB located adjacent to CHES boundary
- 2 nos. ventilation shafts at north of Yiu Sing Street
- Only key facilities that cannot be arranged underground remained at ground level

Section of Yiu Sing Street



Tunnel Ventilation System



Ventilation Shafts (Top Vents)

- The ventilation shafts are reserved exclusively for emergency smoke extraction during rare fire incidents and not used for general ventilation
- Their operation will not impact CHES events

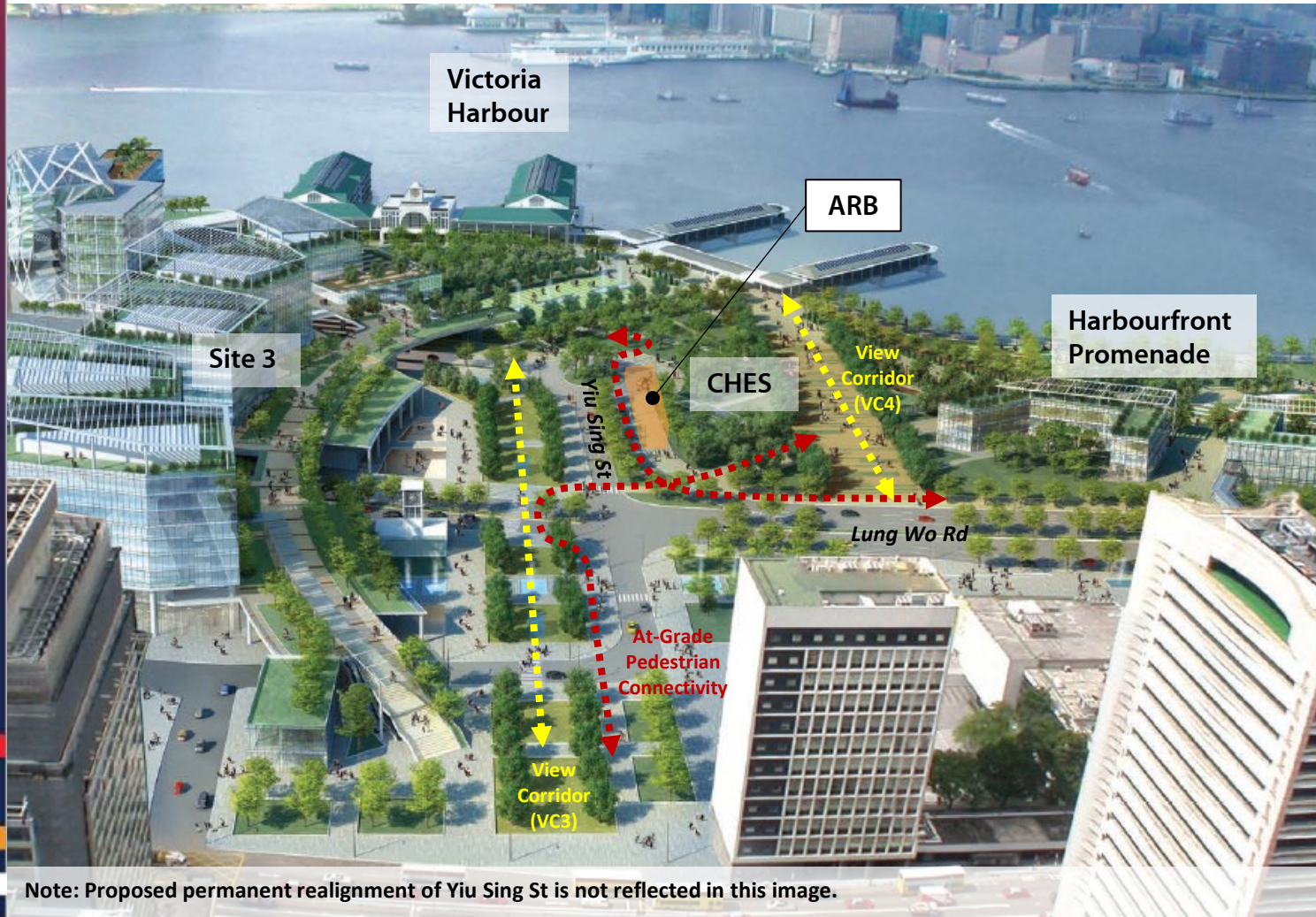
Harbour Planning Principles





Planning Principles

- a) Preserving Victoria Harbour – No reclamation, façade design preserves the existing visual character of the Harbour
- b) Stakeholder Engagement – Early and proactive engagement
- c) Sustainable Development – Embrace sustainable development opportunity
- d) Integrated Planning, Vibrant Harbour and Public Enjoyment – Minimal massing, integrated approach
- e) Accessible Harbour – Maintain connectivity to the Harbour

View Corridors and Pedestrian Connectivity in the Urban Design Study for the New Central Harbourfront



 View Corridor
 (VC3) – From HSBC Headquarters and Statue Square to the harbour
 (VC4) – From City Hall to the harbour

 At-Grade Pedestrian Connectivity

Note: Proposed permanent realignment of Yiu Sing St is not reflected in this image.

The visual material has been sourced from the Harbourfront Commission website under Urban Planning for New Central Harbourfront 2011

[https://www.hfc.org.hk/filemanager/files/urban-design-study-for-the-new-central-harbourfront/uds-nch-es-\(english-version-only\)_r.pdf](https://www.hfc.org.hk/filemanager/files/urban-design-study-for-the-new-central-harbourfront/uds-nch-es-(english-version-only)_r.pdf)



03. ARB Façade Design Reference

ARB Façade Design Reference



Green Facades – Trellis System



Kengo Kuma: Japan House, Sao Paulo
Timber façade to express a forest in the city

<https://www.archdaily.com/923091/japan-house-sao-paulo-kengo-kuma-and-associates-plus-fgmf>



Reference of digital screen façade

https://www.wsj.com/articles/times-square-landlords-cash-in-as-led-billboards-go-big-1416192206?tesla=y&mod=WSJ_IndustrialGoodsServices_leftHeadlines&mg=reno64-wsj

ARB View from the Harbour



Note: Proposed permanent realignment of Yiu Sing St is not reflected in this image.

The visual material has been sourced from Henderson's website

<https://www.hld.com/en/our-news/press-releases/henderson-land-launches-realising-our-new-central-harbourfront-x-ai-projectcreating-a-futuristic-concept-for-new-central-harbourfront-with-innovative-technology>

ARB View from Tsim Sha Tsui Cultural Complex (Planning Department's Strategic Viewing Point)



Integration with Harbourfront Environment

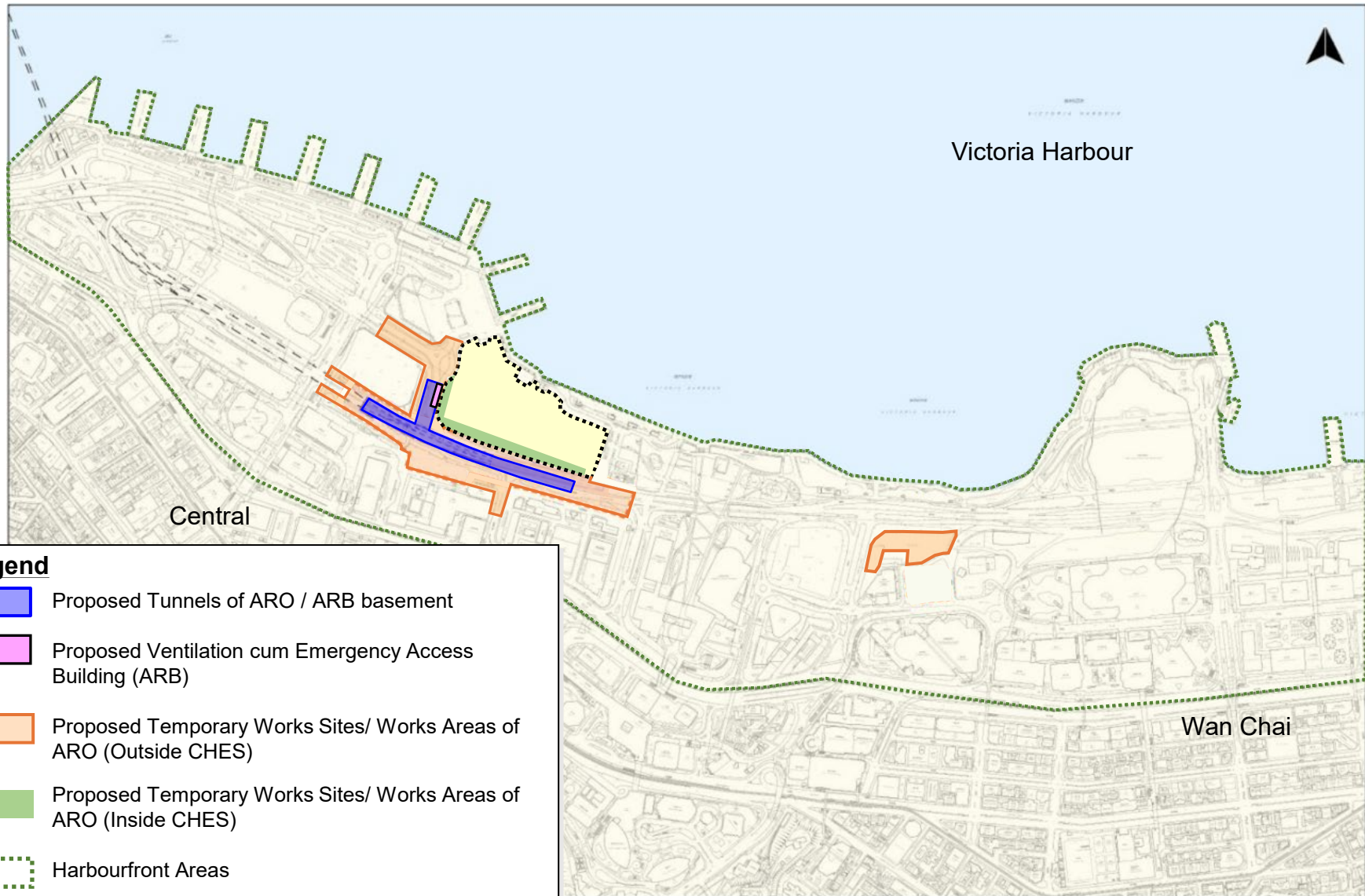


- **Nearby stakeholders will be further engaged for the ARB façade design in the next detailed design stage**

An aerial photograph of a modern cityscape. In the foreground, there is a waterfront area with several boats docked at a pier. The middle ground shows a large, curved structure, possibly a park or a public space, with greenery and a circular design. In the background, there are several tall, modern skyscrapers. A large blue diagonal banner is overlaid on the left side of the image, containing the section title.

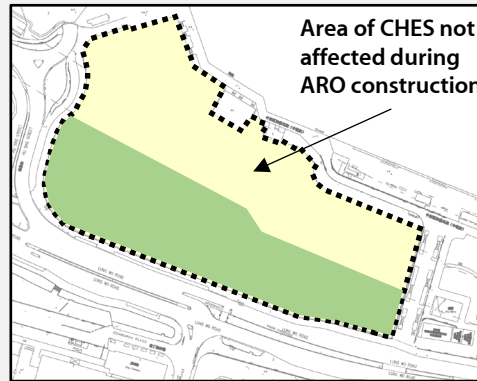
04. Temporary Works Area and Temporary Traffic Management

Temporary Works Site and Works Area of ARO



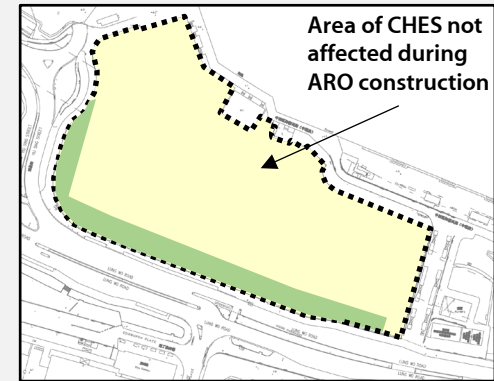
*The above temporary works sites / works areas of ARO would be subject to availability.

Temporary Occupation Areas in CHES – Continuous Improvement



April 2023

(Presented in Task Force on Harbourfront Developments on Hong Kong Island Meeting)



Latest Scheme

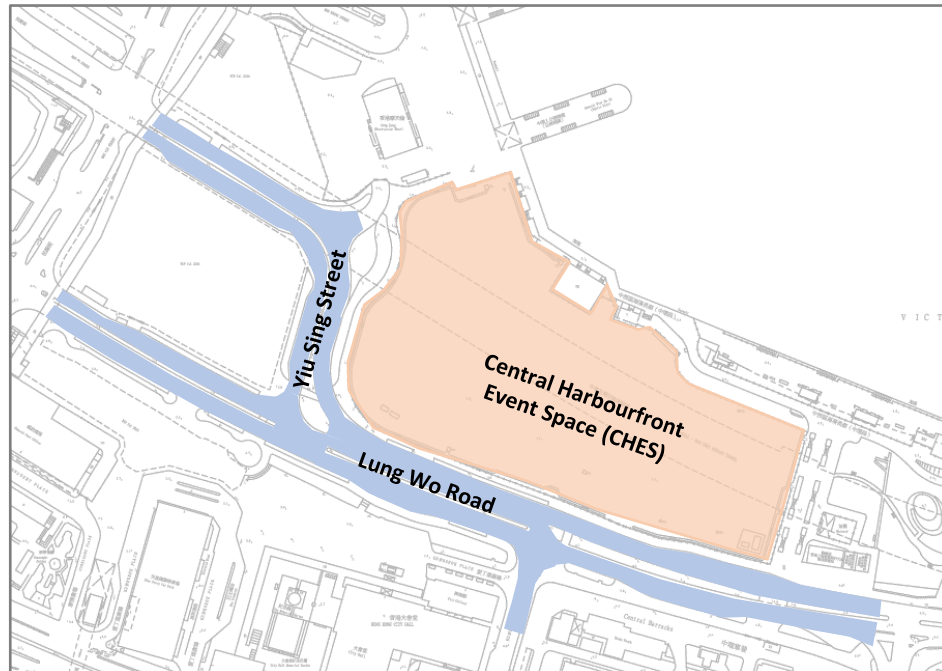
 CHES area

 Temporary Occupation of CHES

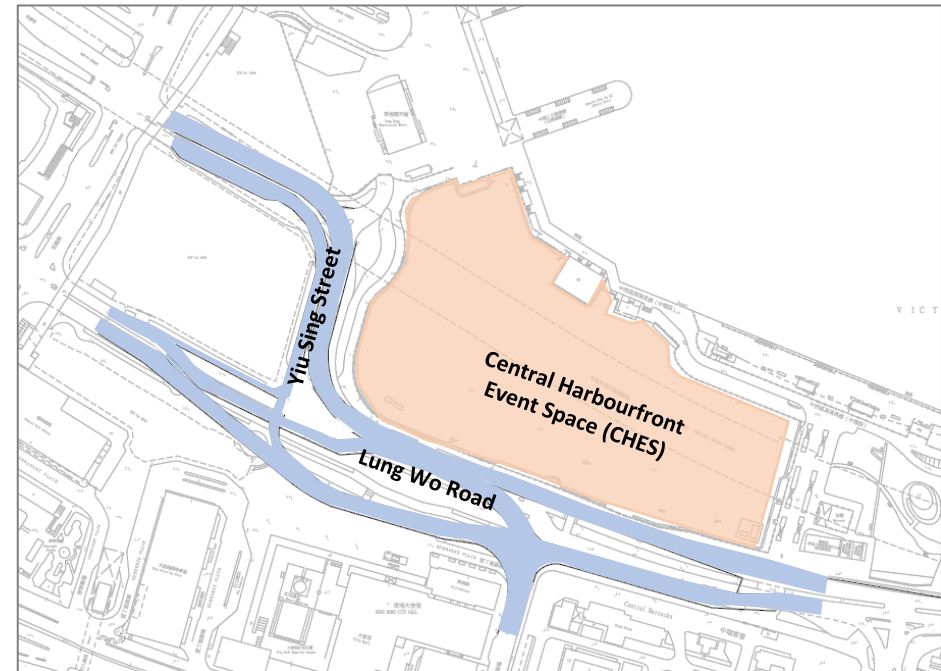
	Apr 2023	Latest Scheme
Temporary Occupation of CHES	~ 45%	Substantial reduction
Duration	8 years	≤ 5 years

Temporary Traffic Management during Construction

- Submit the temporary traffic arrangements to authorities for comment
- Traffic diversion in stages
- Pedestrian connectivity between the harbourfront and the hinterland will be maintained
- Will not affect operation of CHES



Existing Road Layout



Tentative Temporary Traffic Management (TTM)

Remark: This tentative TTM scheme will be further developed and liaised with relevant Government departments and the local community.

An aerial photograph of a modern cityscape. In the foreground, there's a waterfront area with several boats docked at a pier. The middle ground shows a large, open green space with a circular structure. In the background, there are several tall, modern skyscrapers. A large blue diagonal banner is overlaid on the left side of the image, containing the section title.

05. Engagement with Stakeholders

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Site 3 Development



Government Facilities



- ✓ Stakeholders had no objection to the latest scheme
- ✓ We will continue to closely liaise with the stakeholders in the detailed design and construction stages



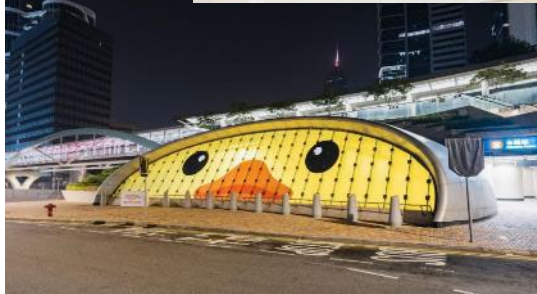
An architectural rendering of the Harbourfront development in Hong Kong. The image shows a modern waterfront area with several long, covered piers extending into the water. Several boats, including a white motorboat and a sailboat, are docked at the piers. In the background, there are several tall, modern skyscrapers. A large, circular, landscaped area with greenery and a central structure is visible on the land. The overall scene is bright and modern, suggesting a high-quality urban environment.

06. Enhanced Public Enjoyment in the Harbourfront

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Events in 2023-2025
to enhance enjoyment in
Victoria Harbourfront



Jun 2023 - Admiralty Station supporting
"DOUBLE DUCKS" @ Victoria Harbour

Dec 2023 – Donation of
EAL Trains @ WSP Phase 4



06. Enhanced Public Enjoyment in the Harbourfront



Mar 2024 – "Green T Baby Fun Day"

Events at CHES in 2023-2025 to enhance enjoyment in Harbourfront



Sep 2024 – MTR 45th Anniversary Carnival "Chill Fun Trainival"

06. Enhanced Public Enjoyment in the Harbourfront

Events in 2023-2025
to enhance enjoyment in
Victoria Harbourfront



Oct 2025 – MTR supported “Water Parade at Victoria Harbour” by 4 iconic IPs - Doraemon, KAWS & Sesame Street (Elmo), Grimace and LABUBU with the iconic mega skylight at Admiralty Station

Our Next Step



- Continue engaging with stakeholders
- Continue optimizing the scheme
- Proceed with relevant statutory processes, such as application for gazettal of railway scheme amendment under the Railway Ordinance
- Target for completion of the main works by 2032

**END
THANK YOU**

