Harbourfront Commission Presentation Sep 2020



醫院管理局 HOSPITAL AUTHORITY

ARUP WONG TUNG

PARTNERS LIMITED



Agenda

- **1.0 Project Background & Development Parameters**
- **2.0 Urban Design Framework**
- **3.0 Connectivity Enhancement**
- 4.0 Waterfront Promenade Design
- **5.0 Harbour Planning Principles**

Project Background & 100 Development Parameters

Master Programme

Project Major Milestones			2018		2019			2020			2021				2022			2023			2024		
	4	1	2 3	4	1	2 3	8 4	1	2 3	3 4	1	2	3	4 2	1 2	3	4	1	2 3	3 4	1	2	3 4
Project Commencement (Q4 2017)	•									!													
Design										ł													
WS1: Feasibility (1:500)										1													
WS2: Outline Proposal and Sketch Plans (1:200)										1													
WS3: Detail Design (1:50)										t													
Tendering										ł													
Foundation Works Tendering			I	ou	inc	latio	on	Tei	nde	r A	Wa	ard											
Main Works Documentation / Tendering										r													
Construction										i													
Foundation Works																							
Main Contract Works																							
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Summary of comments in the briefing session to KTTF on 7 July 2020

1. Connectivity

• Pedestrian connectivity between the two sections abutting waterfront promenade HKCH and NAH should be reviewed.

2. Permeability

- G/F accommodation of the buildings at Site B should be supplemented
- Building edge treatment of Site B, fence wall detailed design at the interfacing boundary should be supplemented

3. Waterfront Promenade Design

• Detailed design for service block, drinking fountain, seating, pavilion and lighting should be supplemented



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Project Scope

- 2 400 in-patient and day beds
- 37 operating theatres
- Neuroscience centre
- Oncology centre
- Specialist outpatient clinics
- A capacity of 1,410,000 annual outpatient clinic attendance

- 1. Accident and emergency department
- 2. Administration services
- 3. Ambulatory and day procedure
- 4. Cardiac catheterisation laboratory
- 5. Cardiothoracic service
- 6. Catering services
- 7. Clinical laboratory services
- 8. Community health care unit
- 9. Central sterilizing services unit
- 10. Custodial ward
- 11. Day surgery and endoscopy
- 12. Diagnostic radiology & imaging
- 13. Education and training
- 14. Supporting services
- 15. Facilities management
- 16. Front of house
- 17. High dependency unit
- 18. Hyperbaric oxygen therapy unit
- 19. Information and communication technologies

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20. Inpatient wards

- 21. Intensive care unit
- 22. Labour and delivery
- 23. Logistics and supply
- 24. Medical records
- 25. Mortuary
- 26. Neonatal intensive care unit & special care baby unit
- 27. Neuroscience centre
- 28. Nuclear medicine
- 29. Oncology centre
- 30. Oral maxillofacial surgery & dental unit
- 31. Peri-operative centre (inc. Anesthesiology)
- 32. Pharmacy
- 33. Rehabilitation, other allied health & social work services
- 34. Security

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- 35. Specialty outpatient clinics
- 36. Staff amenities and accommodation

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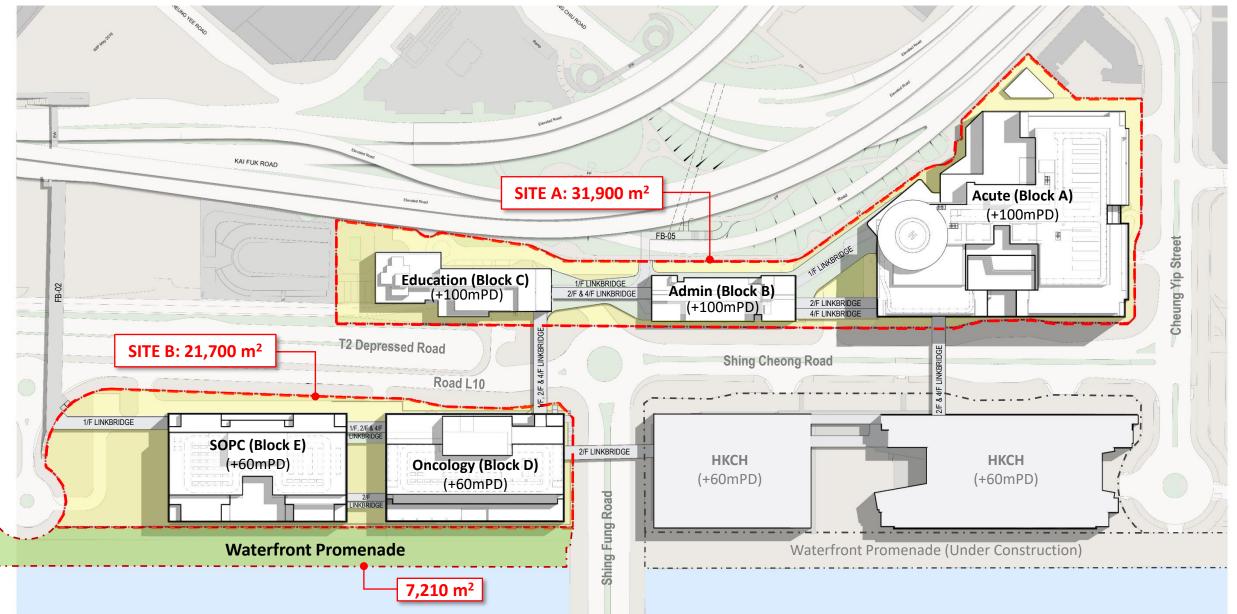
Site Location



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Master Plan – Campus-wide



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Development Parameters

Development Requirements

- OZP Height Limit (Site A: 100mPD, Site B: 60mPD)
- Kai Tak Urban Design Guidelines
- SBD Guidelines APP-151 & 152
- LCSD Requirements for Waterfront Promenade at Site B
- Greenery Area Coverage Compliance

Engineering Conditions

- Height of Linkbridges and Subways above the required Hong Kong Principal Datum
- Vehicular Access in the Designated Locations
- No Structural Obstruction at the Drainage & Waterworks Reserve
- Achieving the Required Greening Ratio
- Construction of Linkbridges and Subways between the Blocks

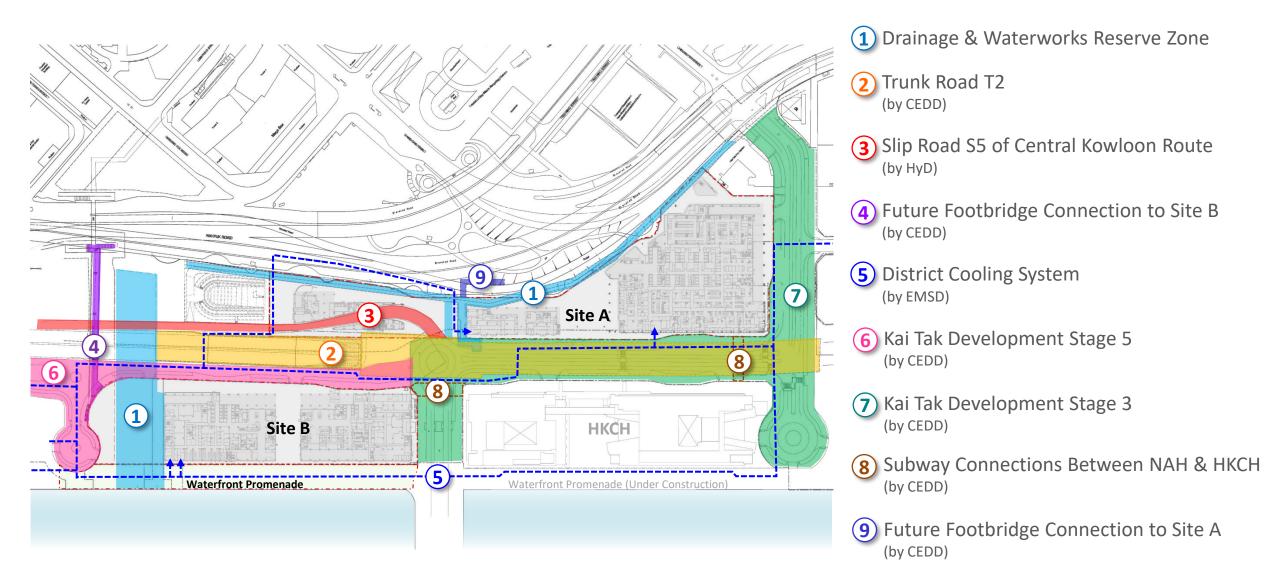
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- Within Height Restriction for Site A and Site B
- Accommodating for **S5 Road** Design

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- Deferred Possession of Certain Parcels

Site Parameters & Interfacing with Other Infrastructure Projects



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Urban Design Framework 2.0



Urban Design Principles

OZP & KTDA Masterplan Context

- Promote pedestrian friendly & vibrant KTDA neighbourhood
- Optimize building separation
- Maximize ground floor glass frontage
- Landscaped foreground as welcoming arrival node
- Building setbacks with landscaping from waterfront promenade
- Vertical green & terraces for massing articulation
- Create patient-centered experience

KTD Urban Design Guidelines

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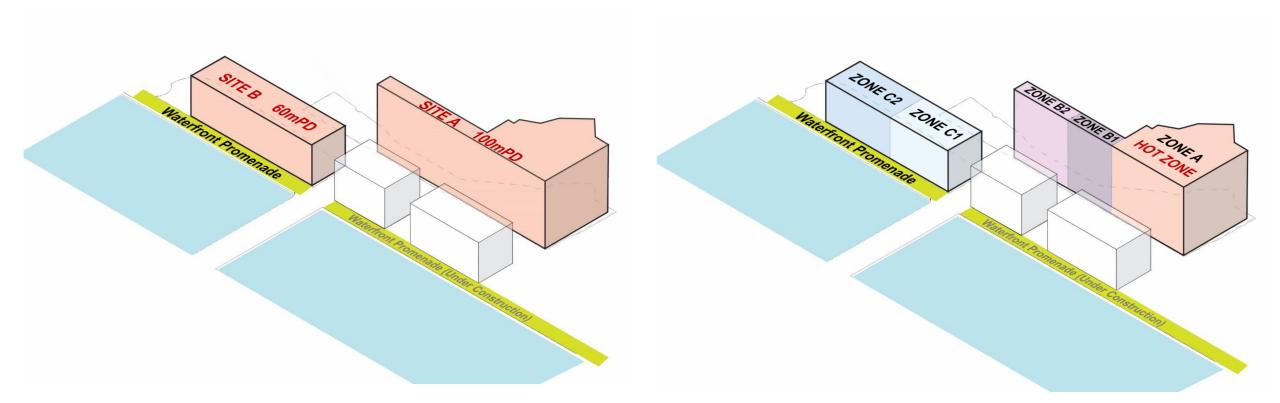
- Design parameters in **engineering conditions**
- Urban Design Guidelines recommendation of best practice

Urban Design Framework

- Height Limit

- Compact & Efficient Medical Planning

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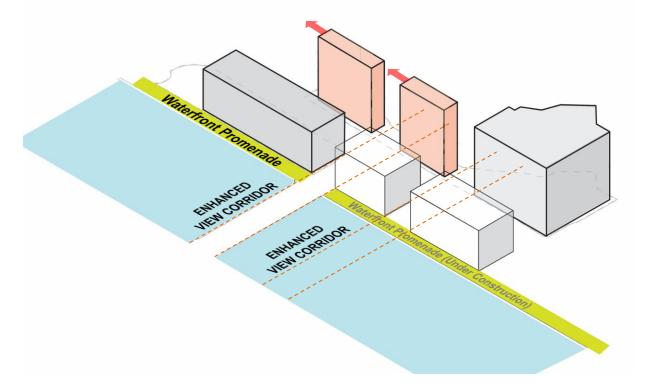
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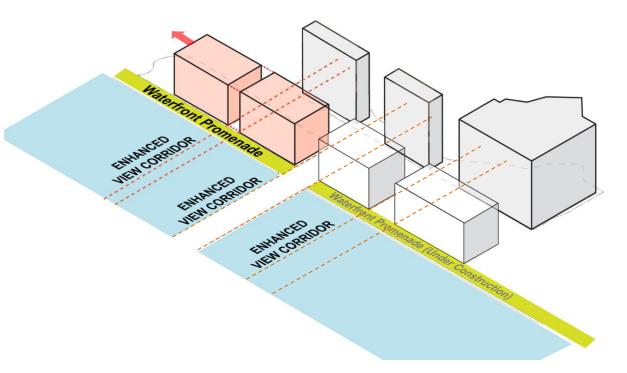
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Urban Design Framework

- Permeability Enhancement by Separation of Building Mass



- Permeability Enhancement by Separation of Building Mass & Podium-free Approach



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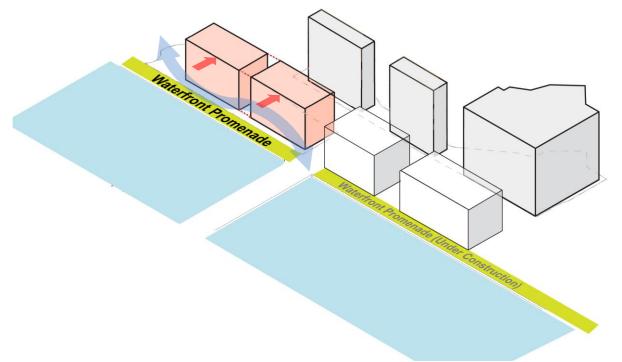
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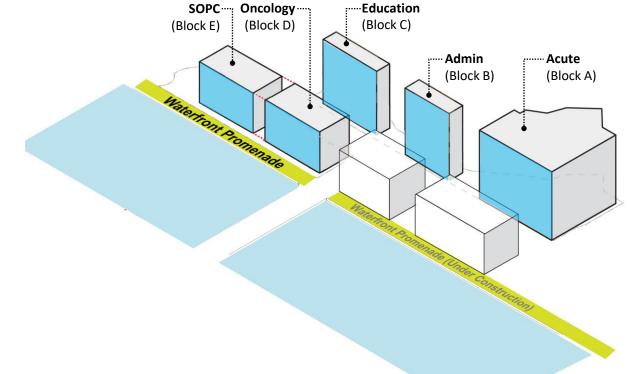
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Urban Design Framework

- Promenade Enjoyment Enhancement by Building Setback



- Façade Design Response to Waterfront



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Connectivity Enhancement 3.0



Public Transportation & Vehicular Network

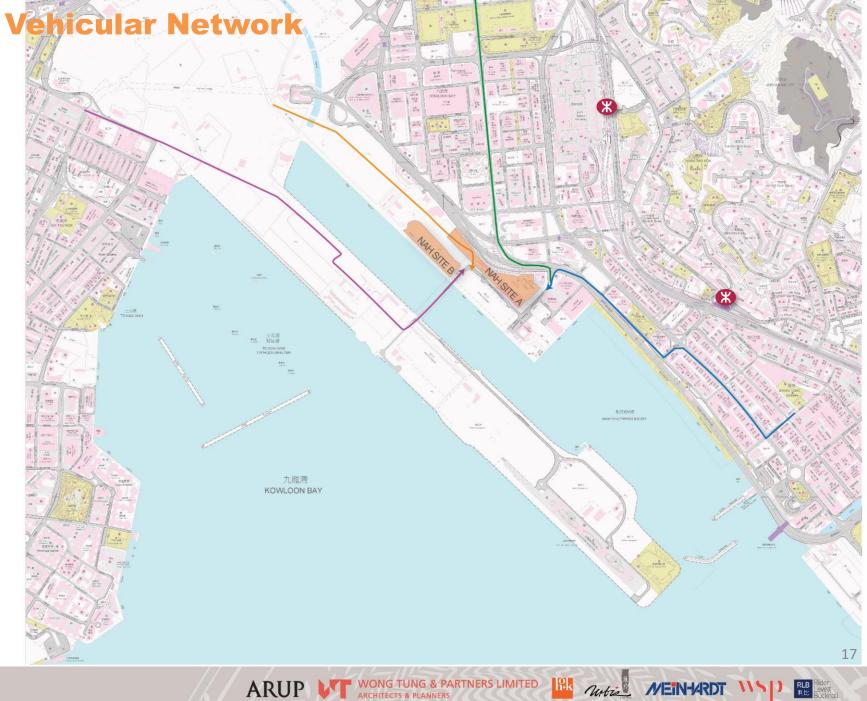
MTR Station

Existing Vehicular Network

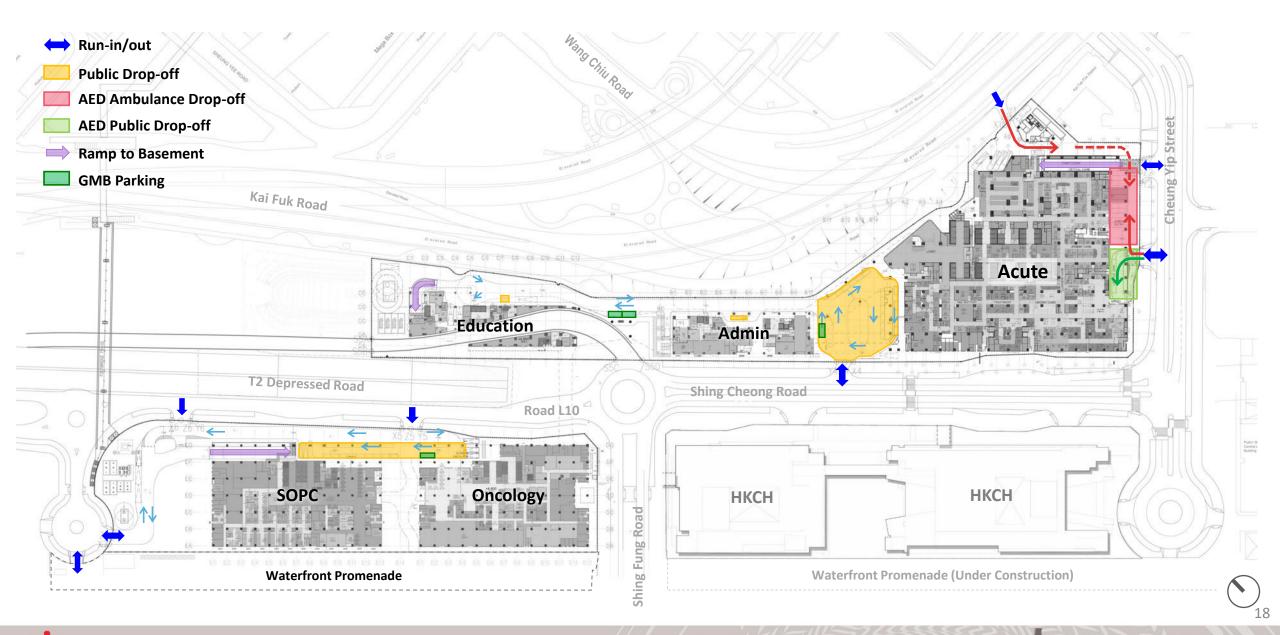
- -----> From Kwun Tong
- → From Wong Tai Sin

Future Vehicular Network

- → From Yau Ma Tei (via Central Kowloon Route, scheduled by early 2025)
- → From Kowloon City (via Shing Kai Road & Road D3, scheduled by 2023)



Vehicular Access to NAH and the Waterfront Promenade

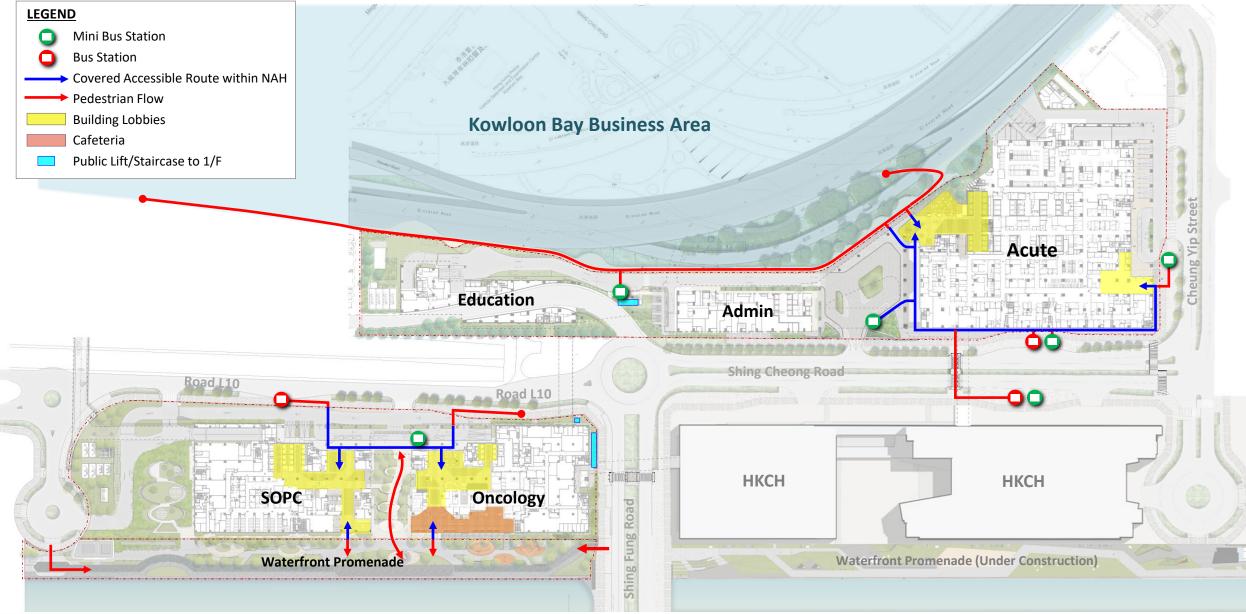


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At-Grade Pedestrian Access – Campus-wide



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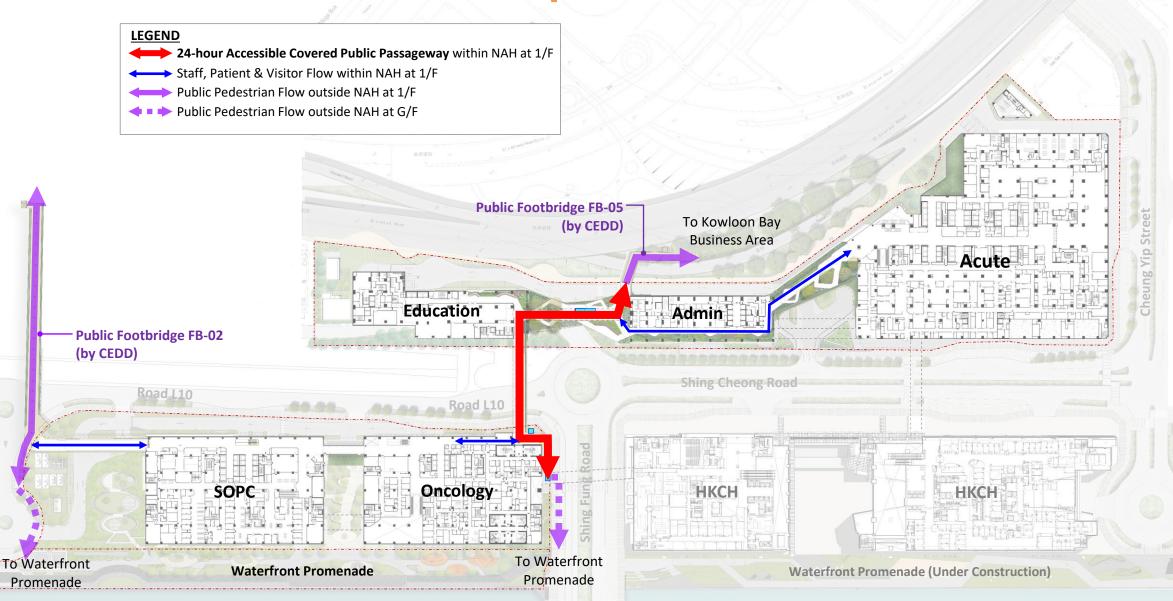
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First Floor Pedestrian Access – Campus-wide



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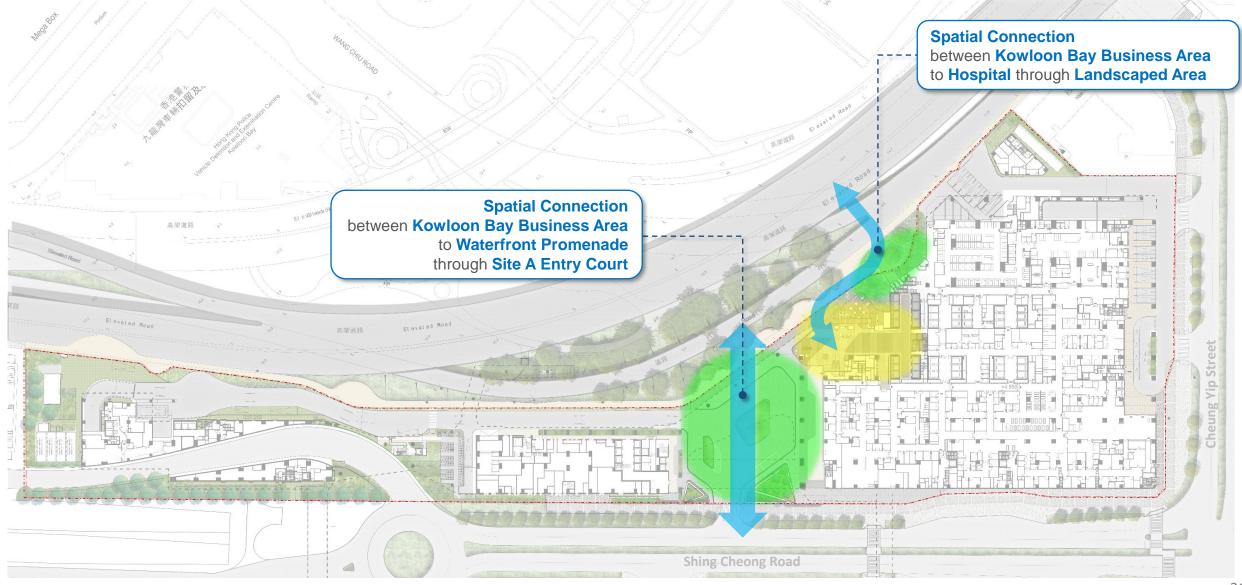
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At-Grade Boundary Interfacing – Site A Overview



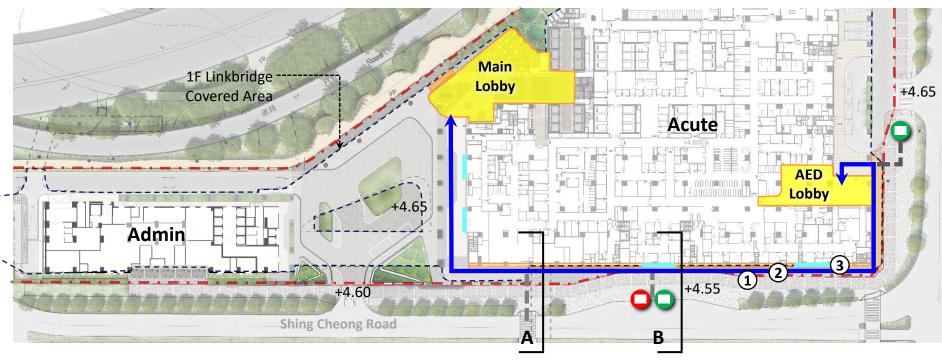
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At-Grade Boundary Interfacing – Site A (East & South Public Streets)



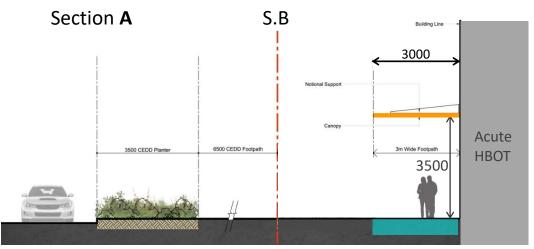


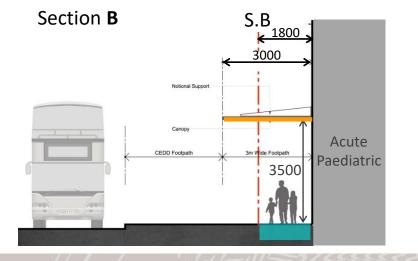
① Proposed Canopy

② Covered Accessible Route -

③ Seating Provisions

(Location and details to be further developed in WS3)





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Note: Exemption will be applied for canopy beyond NAH site boundary



Bus Station

-- 1F Linkbridge Covered Area

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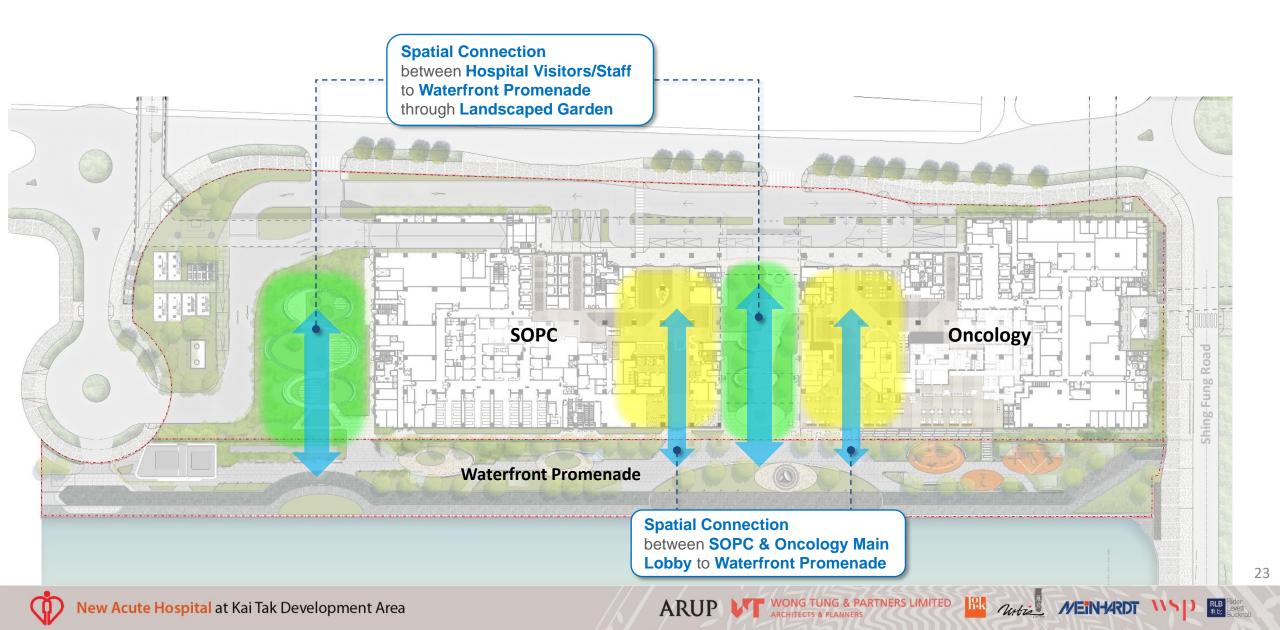
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- Uncovered Pedestrian Route

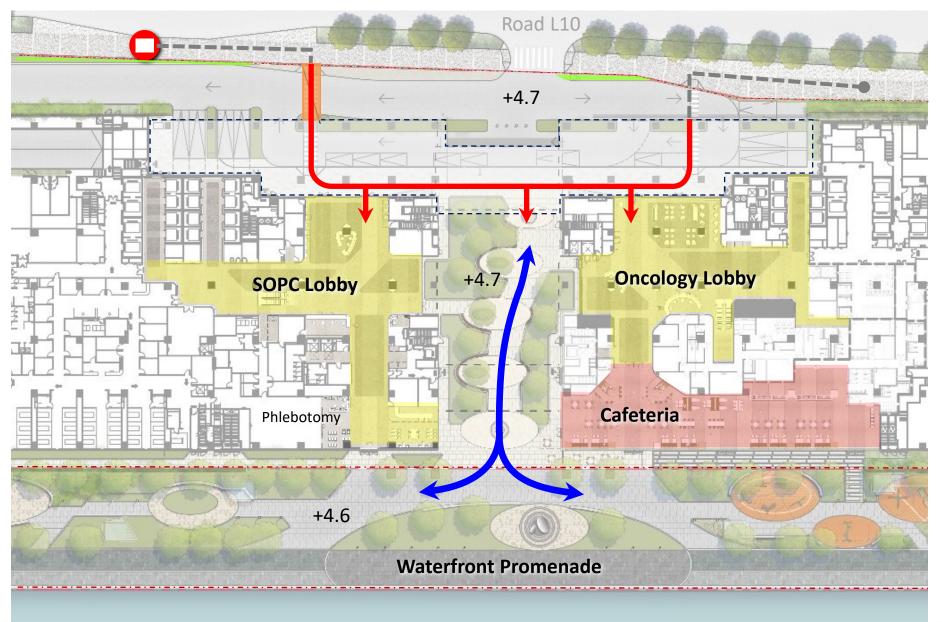
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At-Grade Boundary Interfacing – Site B Overview



At-Grade Boundary Interfacing – Site B (North Public Street)



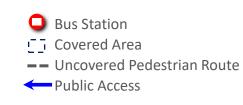
Interfacing area creates inviting public space & direct access to Site B entry court

- ① Proposed Canopy
- **②** Covered Accessible Route
- **③** NAH Greenery

The hard and soft landscape (stepping stone concept) on the south boundary interface creates inviting public space from waterfront promenade to Onco & SOPC plaza

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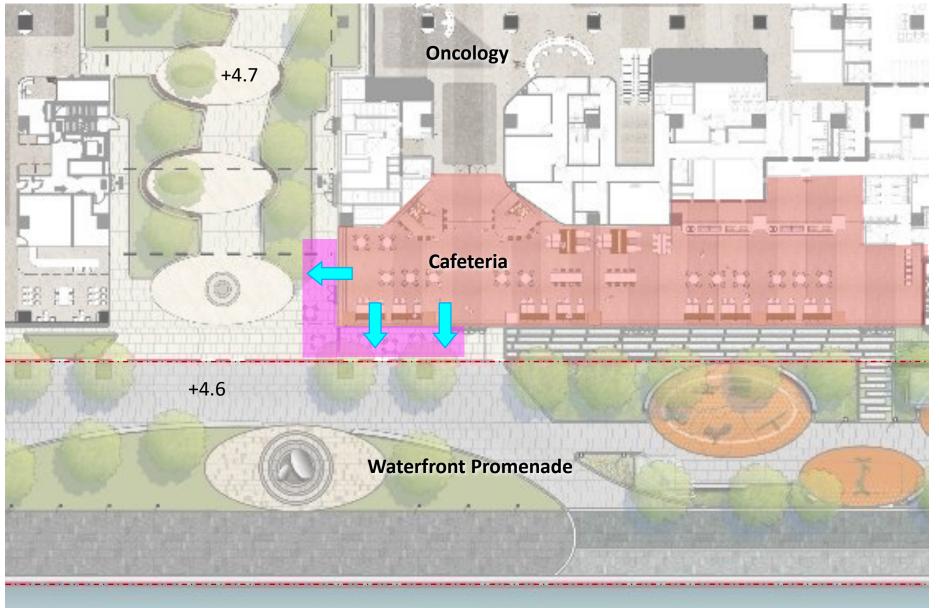
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At-Grade Boundary Interfacing – Site B (South Waterfront Promenade)



The seating area on Oncology block south boundary interface spills people out from the cafeteria



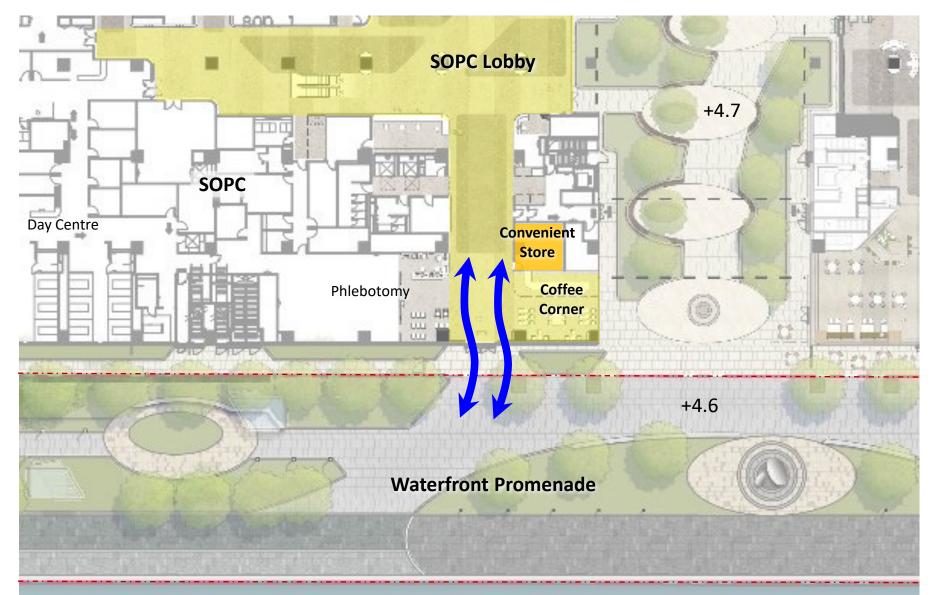
Outdoor Seating Area
People spilt out from Onco cafeteria

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At-Grade Boundary Interfacing – Site B (South Waterfront Promenade)





The hard and soft landscape on SOPC south interface creates direct access between waterfront promenade and SOPC lobby coffee corner & convenient store

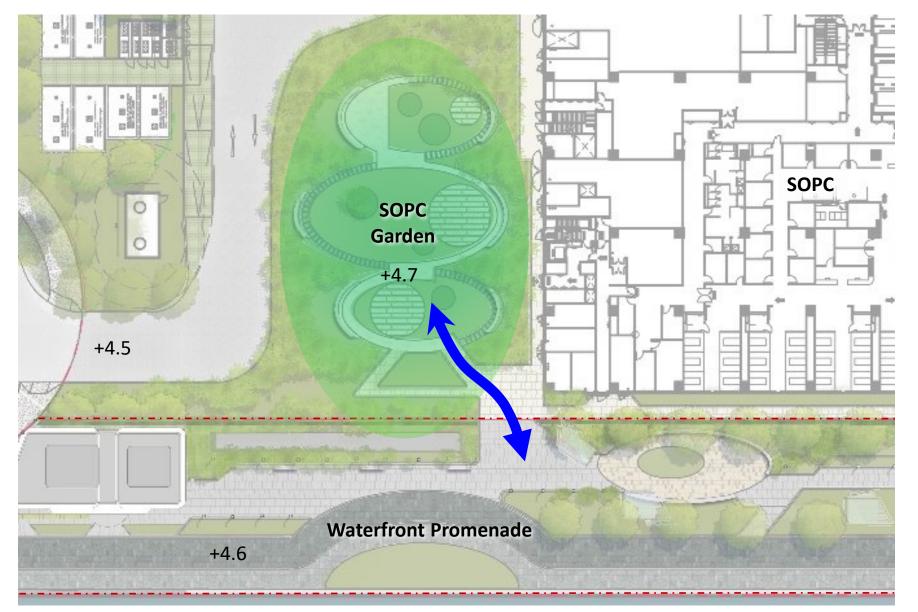


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At-Grade Boundary Interfacing – Site B (South Waterfront Promenade)



The hard landscape on SOPC west interface creates direct access from

Promenade to SOPC

garden

Public Access

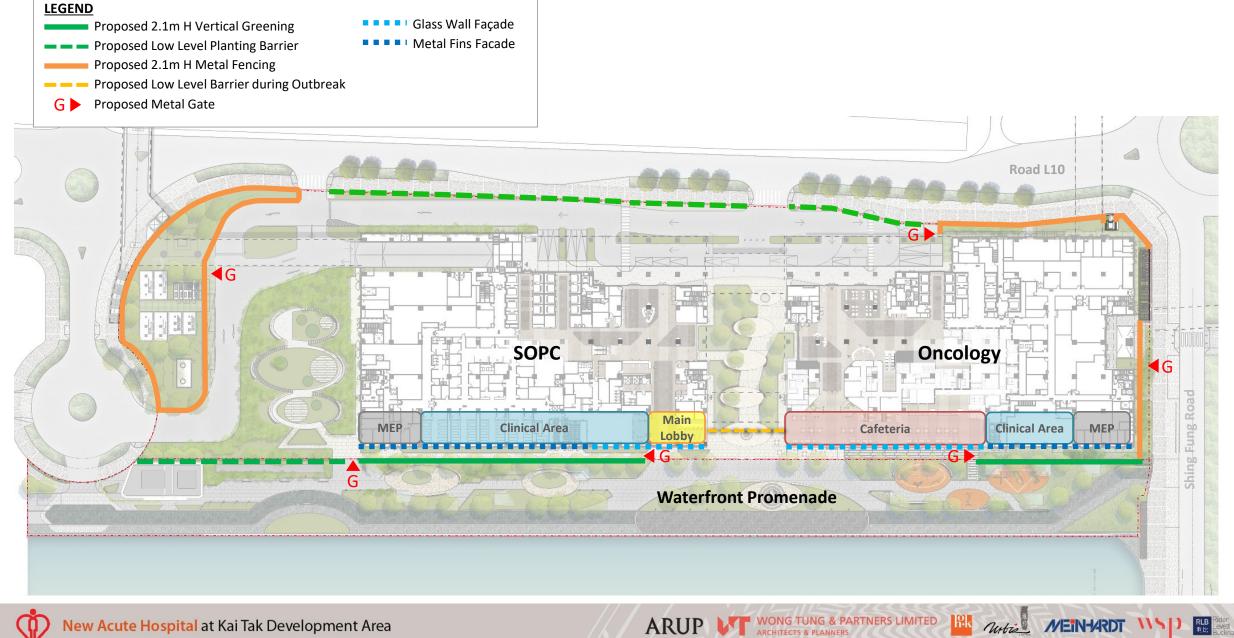
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At-Grade Boundary Interfacing – Site B Overview



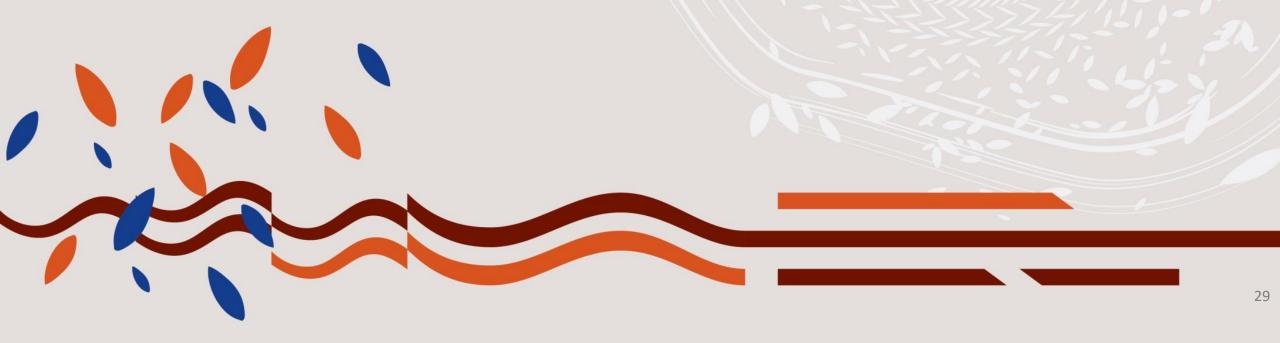
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Waterfront Promenade Design 4.0

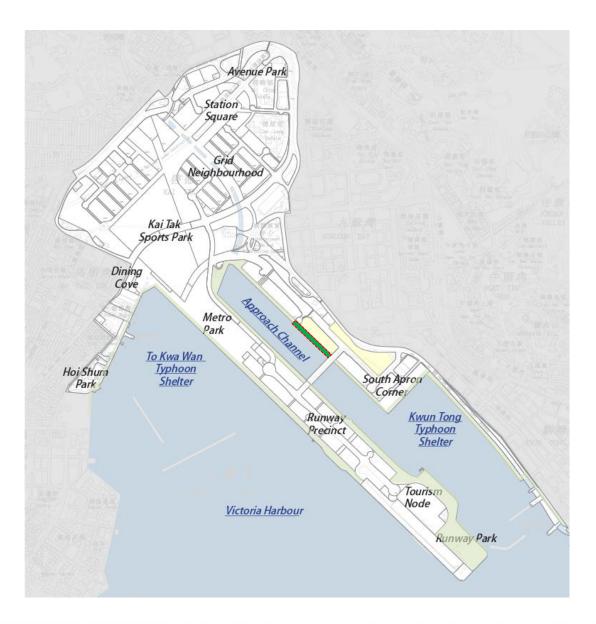


Kai Tak Promenade Conceptual Master Plan - Design Guideline for Kai Tak Promenade 2018

LEGEND

Waterfront Promenade under this submission

Overall Kai Tai promenade with continuous Greenway



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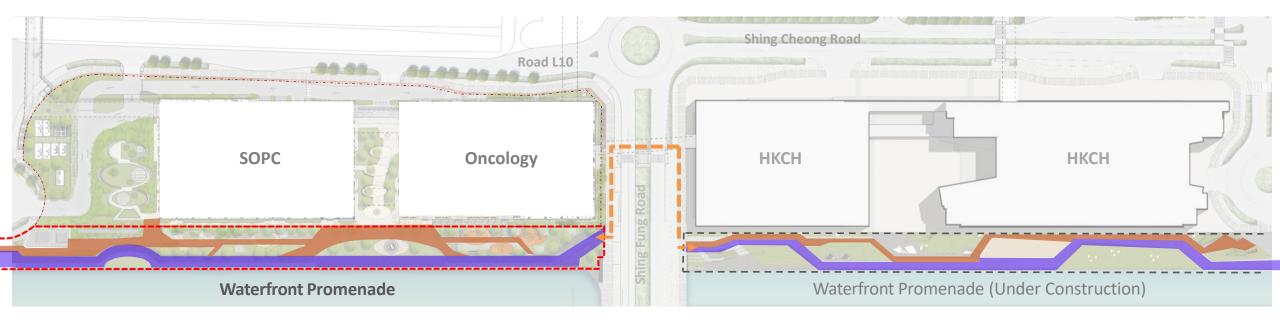
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Promenade Connectivity – NAH & HKCH Overview



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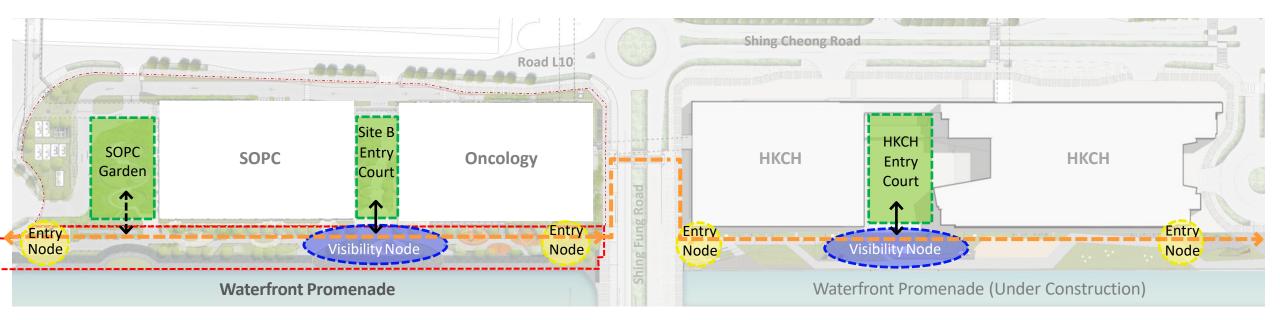
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Pedestrian Walkway for Elderly & Wheelchair Users

Promenade Greenway (6-10m)

Promenade Zoning – NAH & HKCH Overview



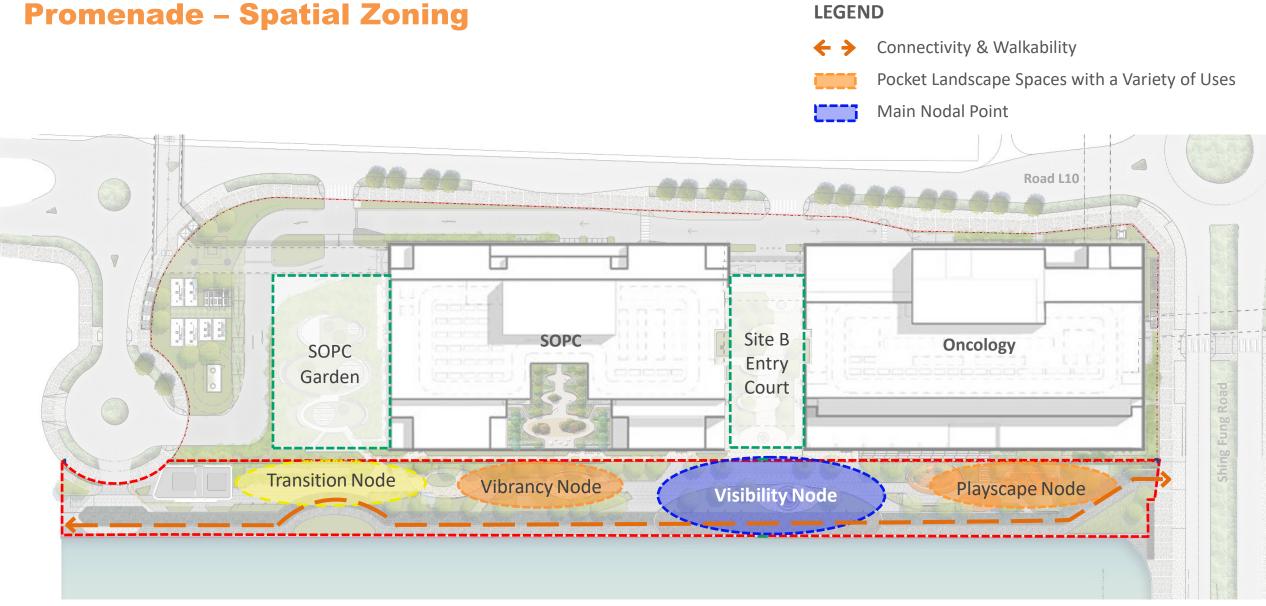
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- ← → Main Circulation & Linkage to Adjacent Areas
- ←→ Mainly Visual Linkage
- ← → Physical Linkage



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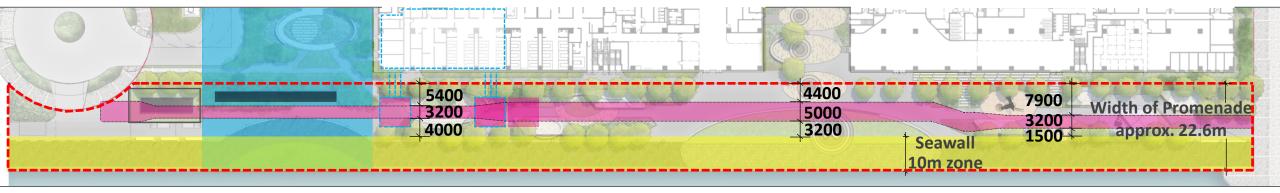
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Promenade – Site Constraints



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- Seawall 10m Zone
- Drainage Reserve Area
- EMSD DCS Pipe Alignment
- DSD Stoplog



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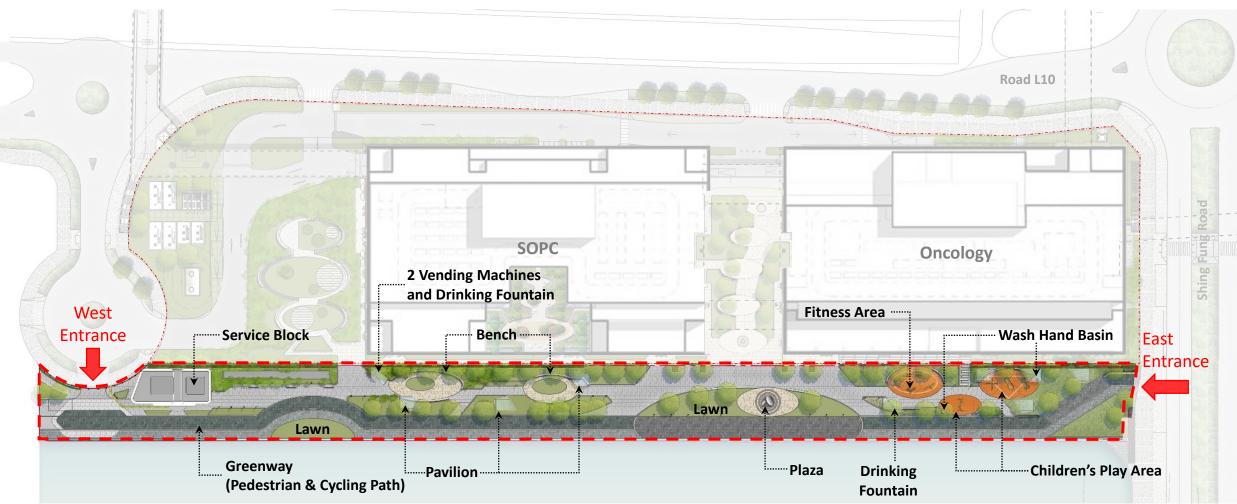
Promenade – User Requirement

	LCSD Design Requirement		Proposed Landscape design
1.	Separate walkway for disables.	1.	Minimum walkway width is 2500mm. with a clear path for disables at
			1500mm. (2 wheelchairs)
2.	Sitting-out areas - no quantity nor area specification.	2.	4-5 seating areas and benches along the planter edge
3.	Rain shelter/Pavilion - no quantity nor area specification.	3.	7 Rain shelters/Pavilions are designed.
4.	Seating benches (height 400-450 mm. depth 460 - 490mm) along with	4.	Seating benches with 450 mm. height & 490mm depth with backrest
	trees and edges of Greenway, 50% of which with backrest & shelters		is provided. More than 50% of the seating areas are covered.
5.	Greenway 6-10m. width.	5.	Greenway 6 m. width is provided.
6.	Lawn area 350sq.m.	6.	The main lawn area* is currently 360 sq.m.
			(*not including an additional lawn area)
7.	Children's play area 180sq.m.	7.	Children's play areas are, in total, larger than 183sq.m. in all options.
8.	Wash hand basin at the children's play area.	8.	2 wash hand basins located closed to the children's play areas
9.	2 sets of duo drinking fountain. (one for children/wheelchair & one for	9.	2 sets of duo drinking fountain are provided. One is located close to
	adults.		the toilet block. Second one is located close to children's play areas
10.	Fitness (adult & elderly) area 100sq.m.	10.	Fitness (adult & elderly) areas are, in total, larger than 105sq.m. in
			all options
11.	Arbour with minimum 1 wheelchair space.	11.	Arbour is provided together with the gateway design/canopy design.
12.	Promenade boundary demarcation.	12.	Promenade boundary is defined by planting area and paving colour.
			Including small gates, stainless steel banding and levelled shrub.
13.	Vending machine - no quantity nor area specification.	13.	A vending machine is provided near the toilet block area.

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Promenade – Master Plan



Features

- 40% Greenery of Site Area
- Main Lawn Area
- Seating Areas

- Pavilions
- Fitness Area
- Children's Play Area

- 2 nos. Wash Hand Basin (near Children's Play Area)
- 2 sets of Drinking Fountains
- 1 set of Vending Machines

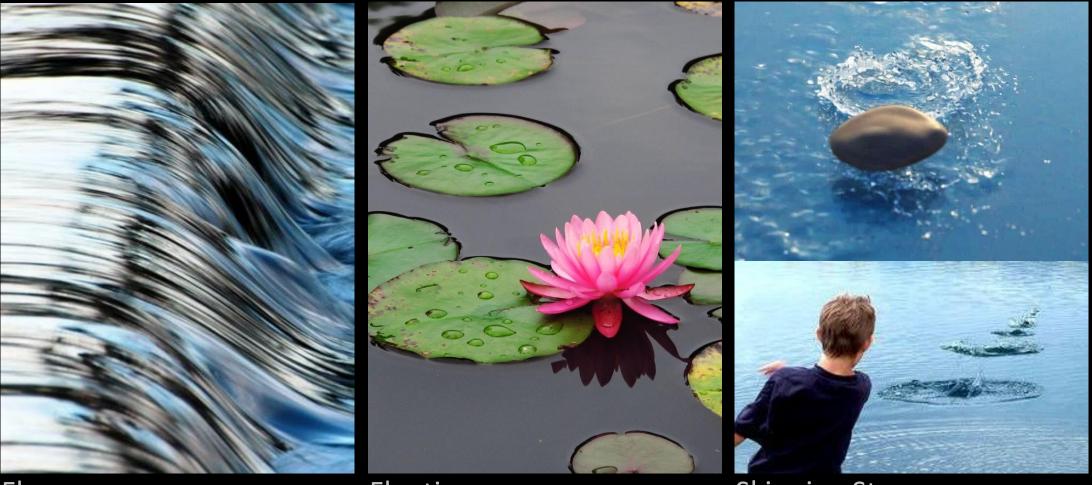
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NAH Landscape Concept



Flow

Floating

Skipping Stones

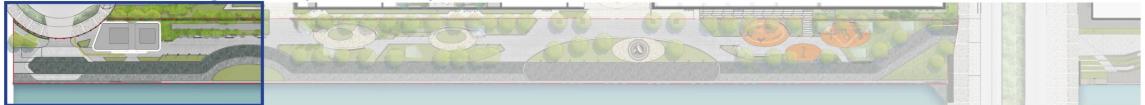
Promenade – Landscape Plan

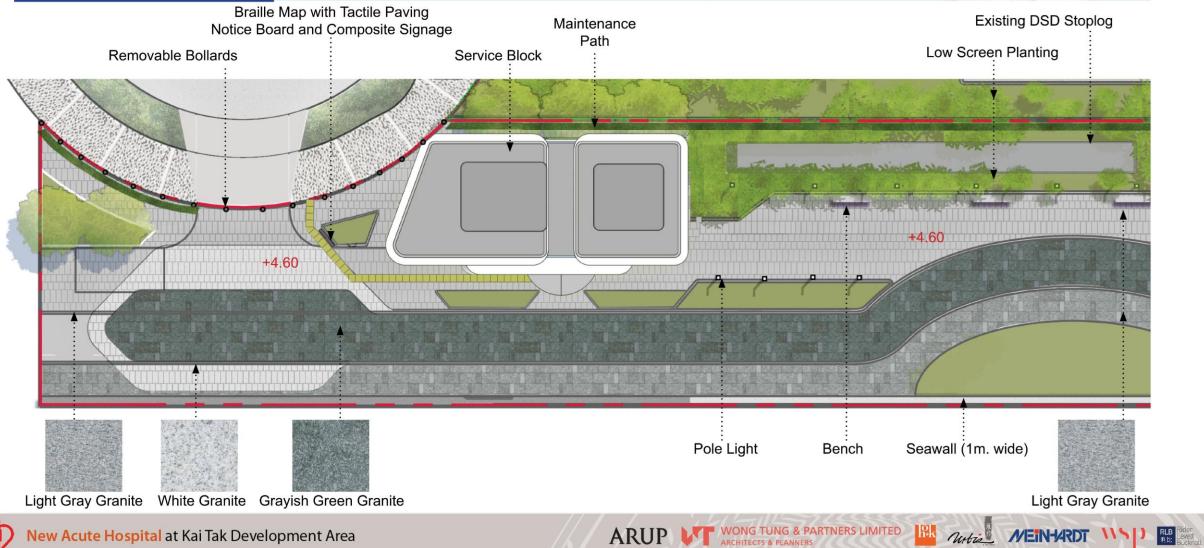


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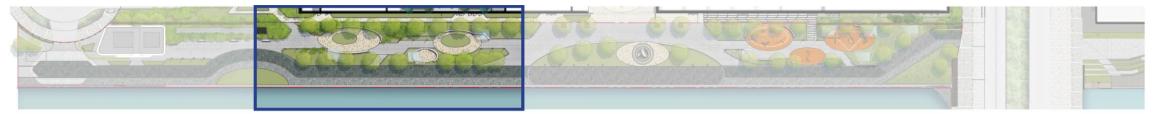
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Promenade – Entry Node



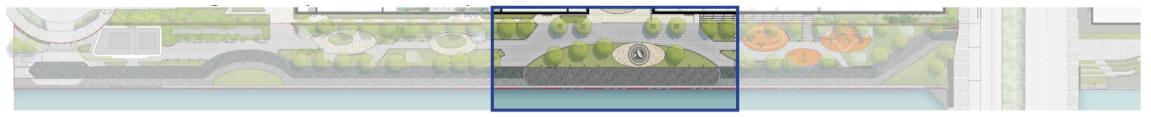


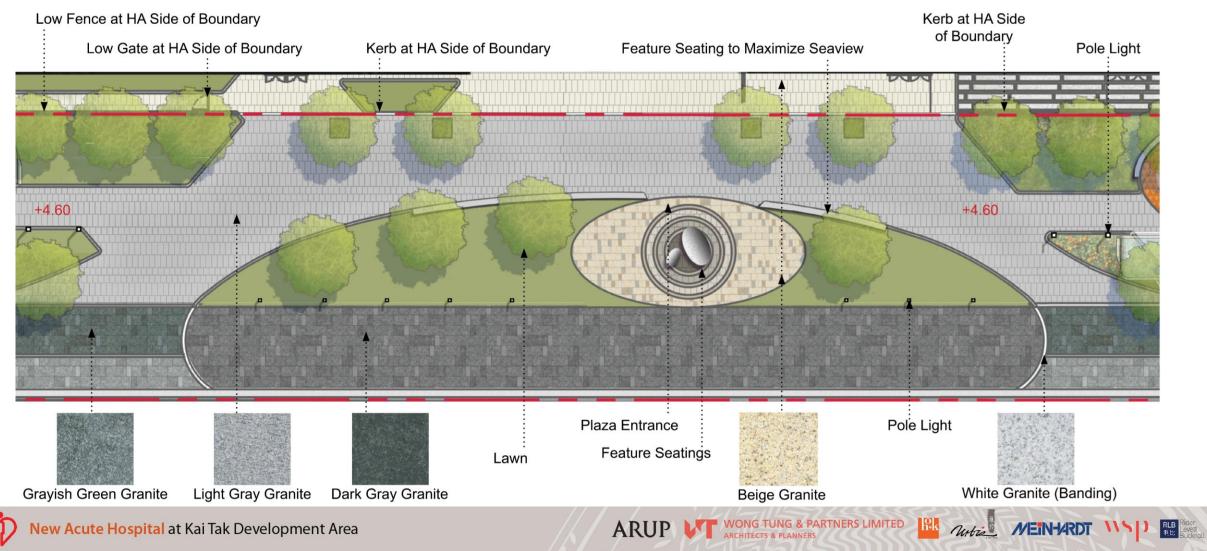
Promenade – Vibrancy Node



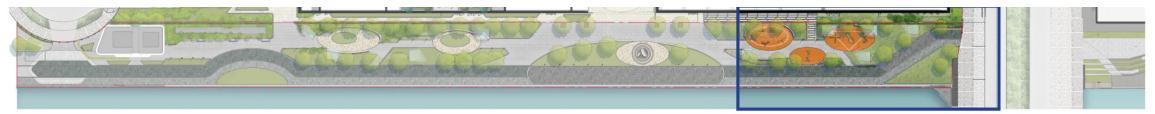


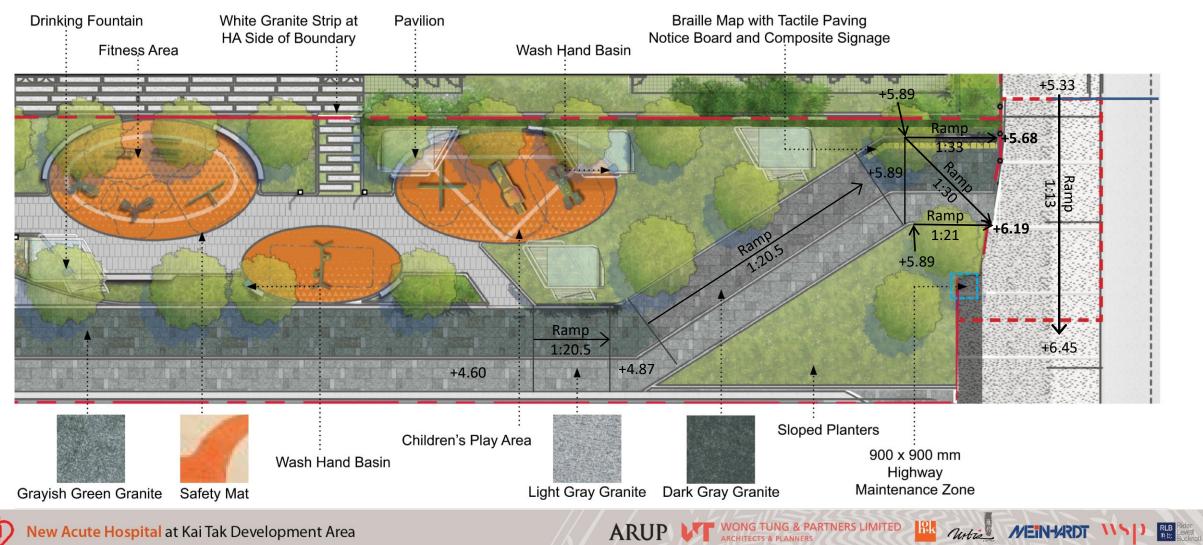
Promenade – Visibility Node





Promenade – Playscape Node





Promenade Overview





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Promenade Central Plaza





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Promenade Central Plaza





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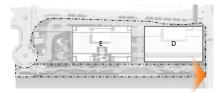
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Promenade East Entrance





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Promenade West Entrance





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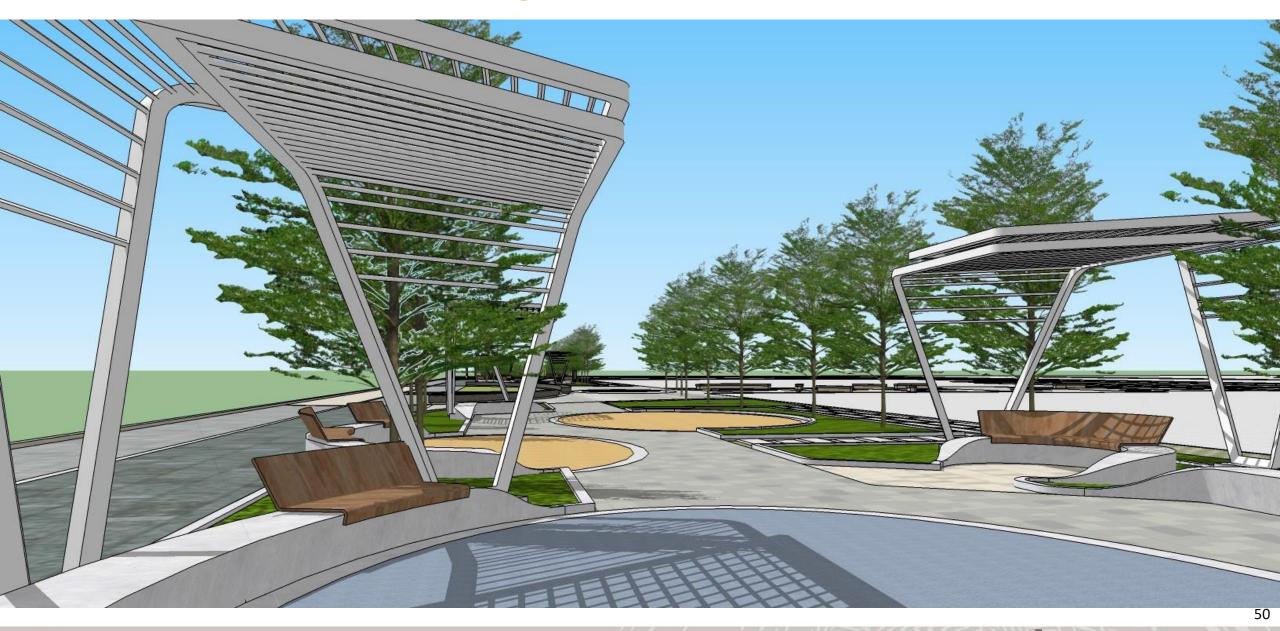


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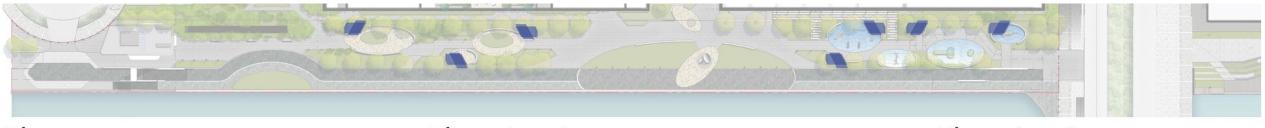
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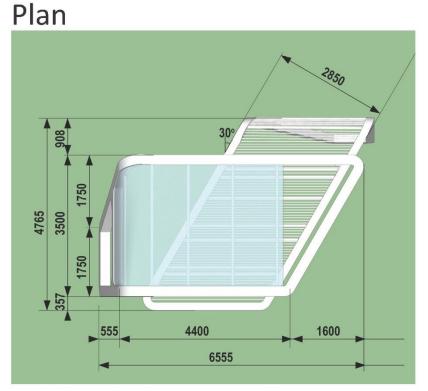
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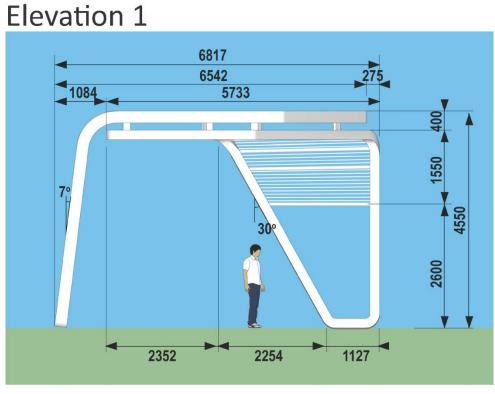


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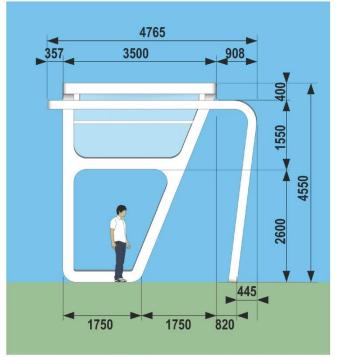




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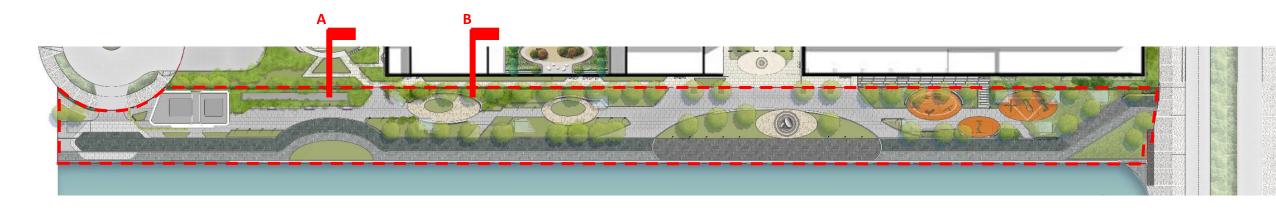
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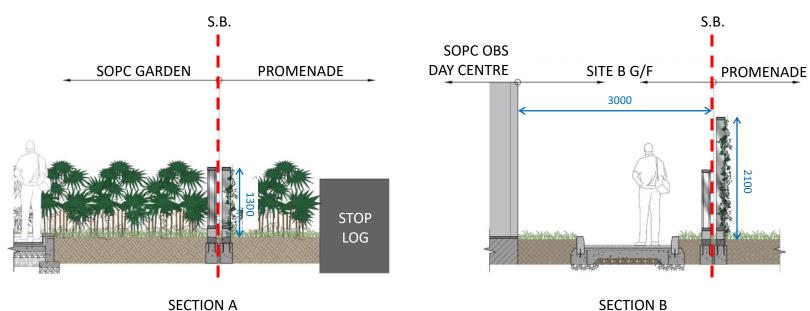
Elevation 2



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Promenade – Vertical Greening Design Concept







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Reference Image

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SECTION A

New Acute Hospital at Kai Tak Development Area

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1 The Rectangular - Playground The Triangle - Playground



*Subject to further review for active children play equipment

2 The Oval - Fitness



For reference only and subject to future main contractor's proposal



Parallel Bars

- Whole body balance
- Suitable for physical therapy
- Suitable for Elderly, adult & teenager

Balance steps

- Whole body balance
- Suitable for physical therapy
- Suitable for Elderly, adult & teenager

Gym Tibas

- Whole body cardio
- Multi-users
- Suitable for Elderly, adult & teenager

Gym Flexo

- Whole body cardio
- Multi-users

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- Suitable for Elderly, adult & teenager

Assisted Row Push-up

- Whole body strengh
- Multi-users
- Suitable for Elderly, adult & teenager

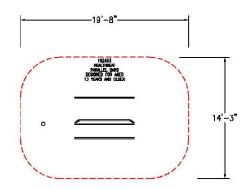
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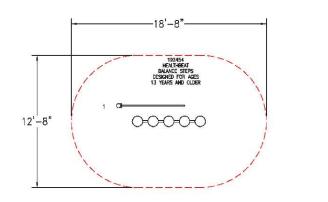
Parallel Bars







Balance steps







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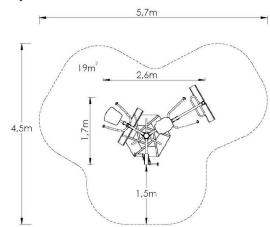
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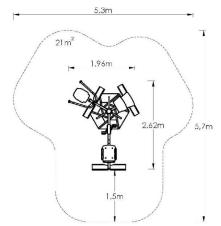
Gym Tibas







Gym Flexo







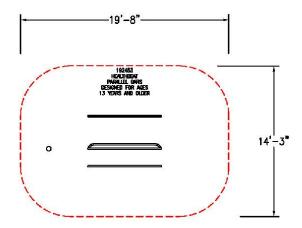
For reference only and subject to future main contractor's proposal

NEIN-ARDT WS REB Rider

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Assisted Row Push-up







For reference only and subject to future main contractor's proposal

WEINHARDT (15) RLB Levelt

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New Acute Hospital at Kai Tak Development Area





Reference Image



For reference only and subject to future main contractor's proposal

WEINHARDT WS) RLB Rider

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Color options

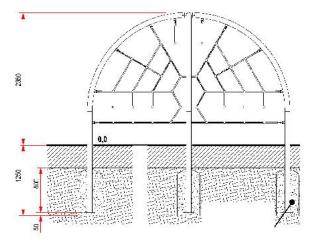


*Subject to further review for active children play equipment

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Roller Plain \$78 6245

Elevation





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Reference Image

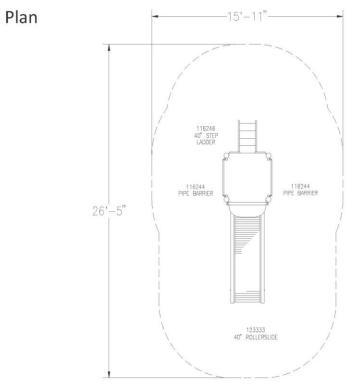


For reference only and subject to future main contractor's proposal

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We-saw



Color options





For reference only and subject to future main contractor's proposal

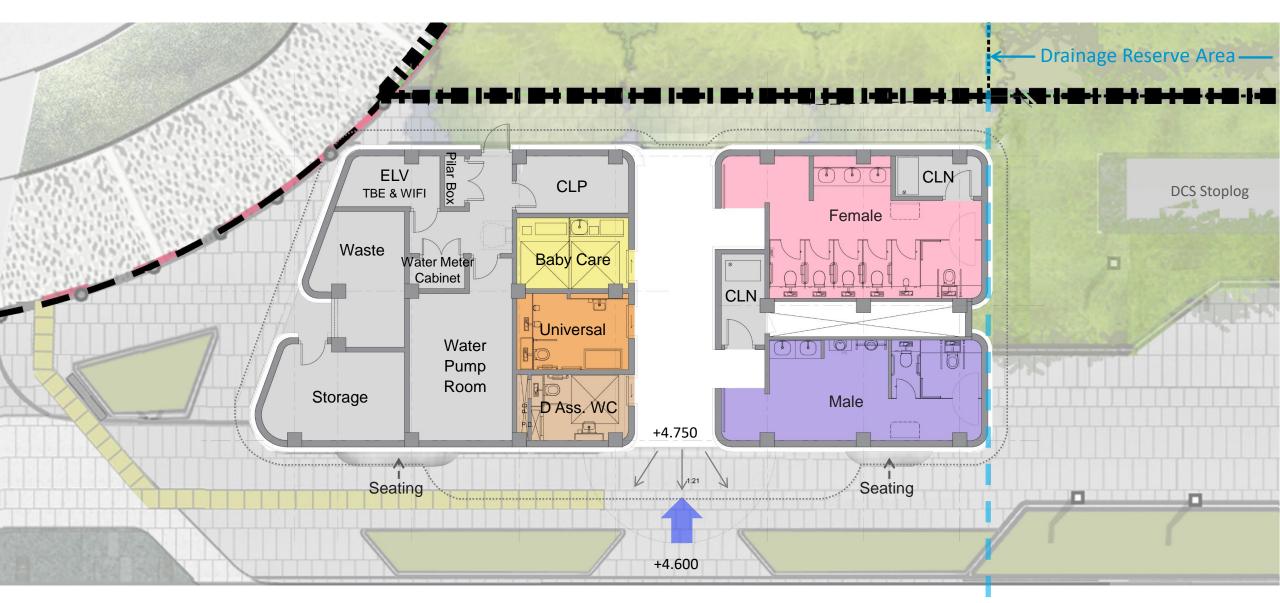
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Promenade – Service Block



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NEINHARDT VS) RUB Rider Autoria

Promenade – Service Block



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New Acute Hospital at Kai Tak Development Area

Toilet Type & Associated Facilities Required in LCSD SoA

Toilet Type &	No. of	Area	No. of	Wash Ba	sins	N	o. of Urinals		No. of WC		Remarks
Associated Facilities	Unit	Req. (m²)	Standard	Disable	Children	Standard	Disable + Children	Standard	Disable + Eldly	Children	
Male	1	Acappropriato	1		1	1	1	1	1		Larger toilet compartment for
IVIDIE	1	As appropriate	T	-	T	T	T	1	L L	-	Disable + Eldly refer to Type B
Fomalo	1	Acappropriato	2		1			4	1	1	Larger toilet compartment for
Female	1	As appropriate	Z	-	T	-	-	4	L	Ţ	Disable + Eldly refer to Type B
Accessible	1	As appropriate	-	1	-	-	-	-	1	-	BFA
Universal	1	As appropriate	_	1	_	_	_	_	1	1	Type E
	1	As appropriate		-	-	-	-	-	1	1	Pedestal type W.C.
Cleaner's Storage	2	5	_	_	_	_	_	_	_	-	Inside male toilet and female toilet
	-	5									respectively
Baby Care Room	1	7.5	1	-	-	-	-	-	-	-	
General Store Room	1	10	-	-	-	-	-	-	-	-	
Waste Collection Chamber	1	10	-	-	-	-	-	-	-	-	
Total	0		4	2	2	1	1	5	4	2	
Total	9	-		8			2		11		

MEP Prelim Provision

	MEP Rooms	No. of	Area	Clear	Proposed
		Unit	Req. (m²)	Headroom (m)	Location
	CLP Meter Kiosk	1	4m (L) x 1.2m (W)	2.5m	Adjacent Toilet Block
Electrical	Pillar Box	1	1.6m (L) x 0.8m (W)	1.5m	Evenly Distribution by Zoning
	Underground	1		N/A	
System	Cable Draw Pit	T	0.8m (L) x 0.8m (W) x 0.8m (D)		-
	ELV Room	1	3m (L) x 2m (W)	3.5m	Adjacent Toilet Block
	Water Meter Cabinet	1	2m (L) x 2m (W) x 0.8m (D)	N/A	Adjacent Toilet Block
	Water Pump Room	1	5m (L) x 3m (W)	3.5m	Adjacent Toilet Block
Plumbing	Flushing Water Tank	4		NI / A	
System	(Fibreglass)	T	250L water tank	N/A	Roof of Toilet Block
	Cleansing Water Tank	1	250L water tank	NI / A	Roof of Toilet Block
	(Fibreglass)	Ţ	250L WALET LATIK	N/A	

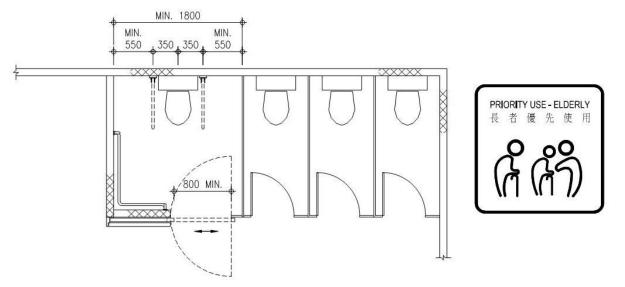
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WEIN-ARDT WS) REPRESENT

Design Guidelines for Universal Toilets in ArchSD Projects

TYPE B: ELDERLY FRIENDLY TOILET COMPARTMENT-2

- COMPARTMENT WITH SPACE PROVIDED ON BOTH SIDES OF THE WC, THE ELDERLY CAN BE ASSISTED ON EITHER SIDE OR BOTH SIDES OF THE WC.
- FOR USE BY THE ELDERLY WITH OR WITHOUT ACCOMPANYING HELPER(S).



NOTE: LAYOUT AND SIGNAGE DESIGN FOR REFERENCE ONLY

LEGEND ALL DIMENSIONS ARE IN mm.		
POWER OPERATED SLIDING DOOR IS PREFERRED OVER SWING DOOR FOR SWING DOORS, OUT-SWINGING DOOR IS	<u> </u>	HORIZONTAL GRAB RAIL, DIA. 32–40 AT 725–750 H.
 PREFERRED OVER IN-SWINGING DOOR IF IN-SWINGING DOOR IS REQUIRED DUE TO SITE CONSTRAINTS, DOOR HARDWARE (INCLUDING LOCKS 		FOLDABLE GRAB RAIL, 725–750 H.
AND HINGE) SHOULD ALLOW READILY REMOVAL/ OUT-SWINGING OF THE DOOR IN CASE OF EMERGENCY.	<u> </u>	VERTICAL GRAB RAIL, DIA.32−40 & L≥600

LCSD SoA

Male Toilet

 (a) Male toilet with pedestal type cubicles and urinals including larger elderly friendly cubicles
 (Type B design of Design Guidelines for Universal Toilets in ArchSD Projects) and urinal

Female Toilet

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(a) Same provision as in male section except that urinal bowls

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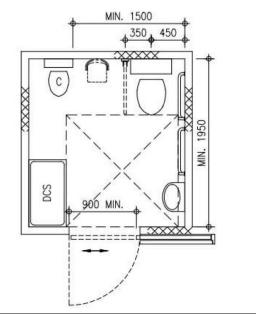
WEIN-ARDT WS REPRESENTED

Design Guidelines for Universal Toilets in ArchSD Projects

TYPE E: ACCESSIBLE ELDERLY AND FAMILY FRIENDLY TOILET-1

- ACCESSIBLE TOILET WITH DIAPER CHANGING STATION, BABY SAFETY SEAT AND CHILDREN WC.

- FOR USE BY THE ELDERLY WITH OR WITHOUT ACCOMPANYING HELPER(S), PERSONS WITH A DISABILITY, PERSONS WITH DIFFERENT SEXUAL ORIENTATIONS, FAMILY, CHILDREN, BABYCARE AND WHEELCHAIR USERS WHO NEED TO TAKE CARE OF BABIES OR CHILDREN.





LCSD SoA

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Universal Toilet

 (a) Design of the universal toilet shall follow Type E design of the Design Guidelines for Universal Toilets in ArchSD Project.

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LEGEND ALL DIMENSIONS ARE IN mm.

/ OVER SWIN	G DOOR	LIDING DOOR IS PREFERRED D BE OPENABLE OUTWARD	DCS	DIAPER CHANGING STATION MIN.900x500 AT 680-750 FROM F.F.L.		1500 X 1500 WHEELCHAIR MANOEUVRING SPACE
 VERTICAL GRAB RAIL, DIA.32−40 & L≥600		HORIZONTAL GRAB RAIL, DIA. 32–40 AT 725–750 H.		WASH BASIN WITH NOTCHES AT BASIN COUNTER EDGE	0	CHILDREN WC SMALL WASH BASIN
FLAP–TYPE BABY SAFETY SEAT	=== ₹	FOLDABLE GRAB RAIL, 725–750 H.	C	CHILDREN FRIENDLY WASH BASIN	FLM	FOR WHEELCHAIR USER FULL LENGTH MIRROR

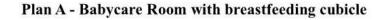
WEIN-KRDT WS RED EVent

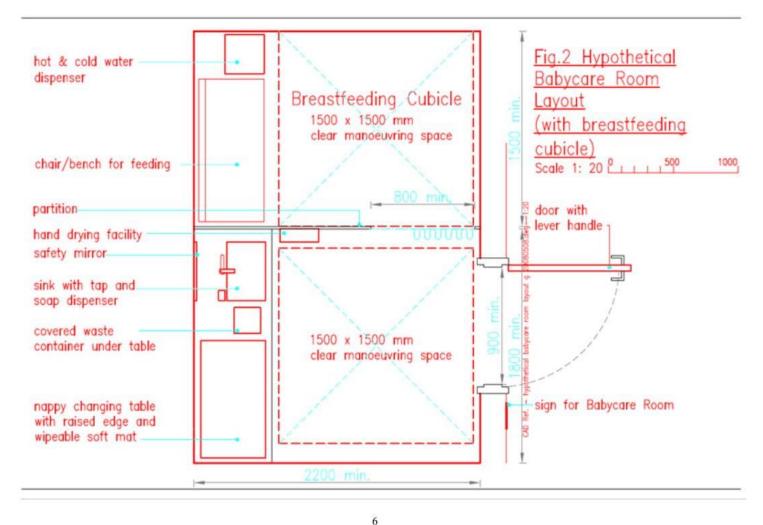
Guidance Notes for Provision of Babycare Facilities in LCSD Leisure Venues

Annex II

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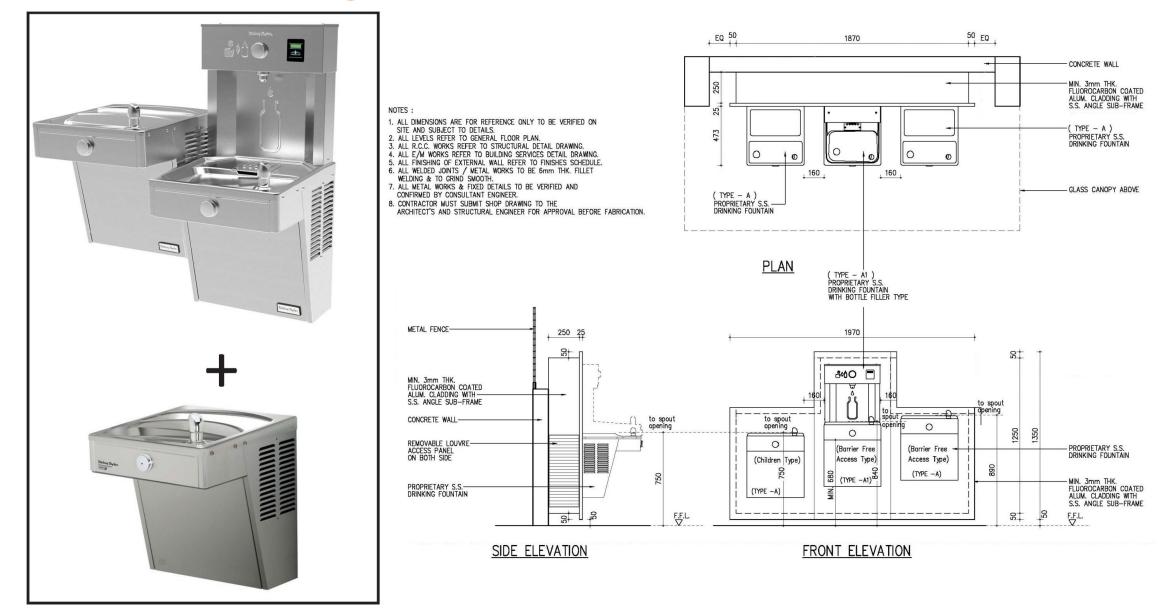
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Promenade – Drinking Fountain



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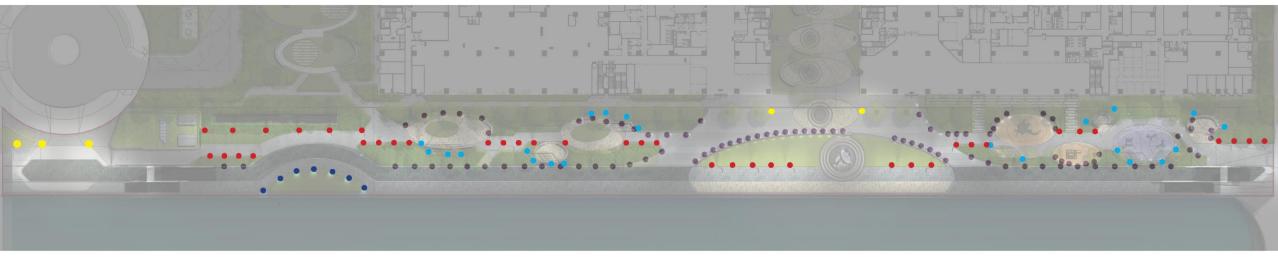
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MEIN-ARDT NS P RLB Rider RLB Levett Rub Bockmall



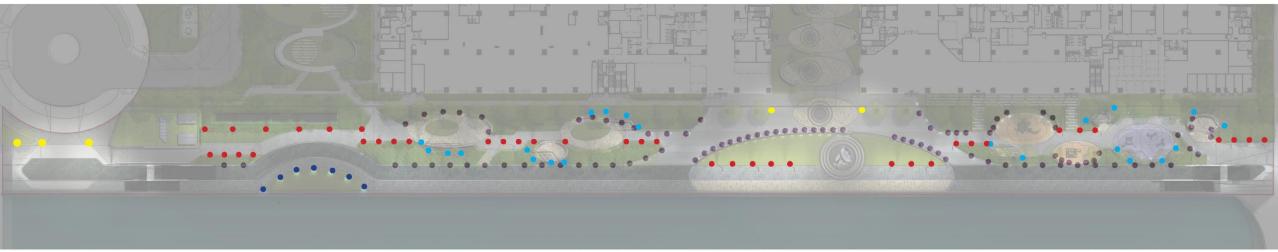
LCSD Requirements on Promenade Lighting

Area, location or task	Typical illuminance (lux)
Main pathways	10 - 15
Secondary pathways	5 - 10
Steps	50
Trees/bushes (for highlighting)	10 - 20
Focal points (large)	100
Focal points (small)	200
Children playground	30 - 50
Elderly corner	30 - 50
Promenade	5 - 15
Jogging tail	~ 10 - 20

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NEIN-ARDT WS) RUB Rider AUE Decknow

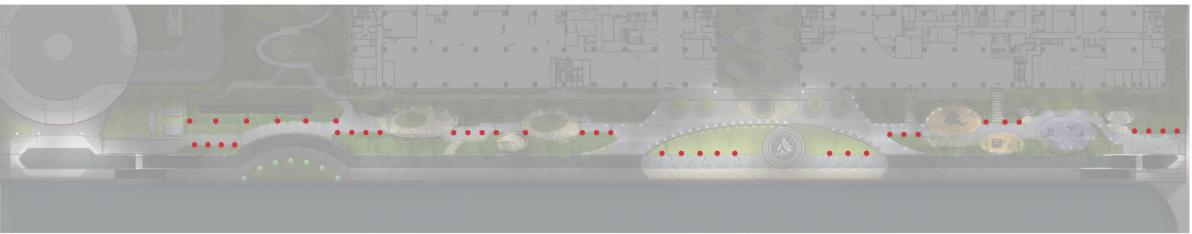


- Pole lighting
- Bollard lighting
- Recessed wall lighting (attached to planter kerb)
- Surface Downlight (attached to structure)
- Area lighting

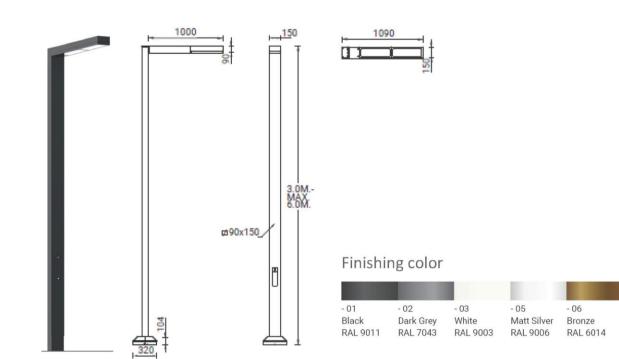


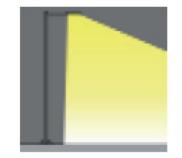
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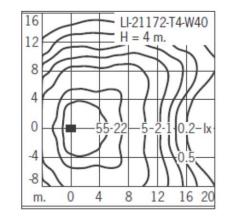
NEINHARDT VS) RUB Rider Autoria



Pole lighting





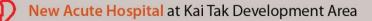


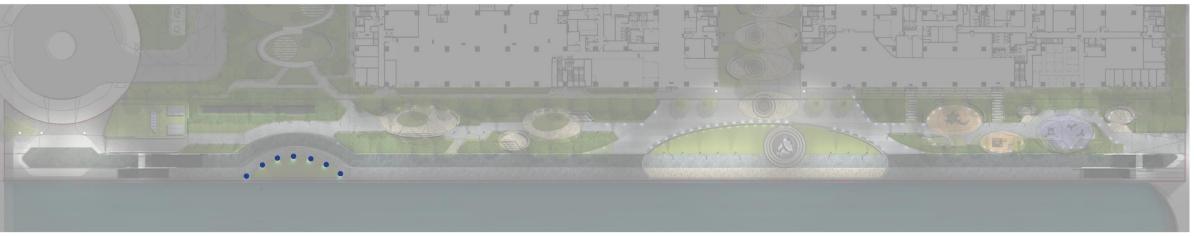
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Matt Silver

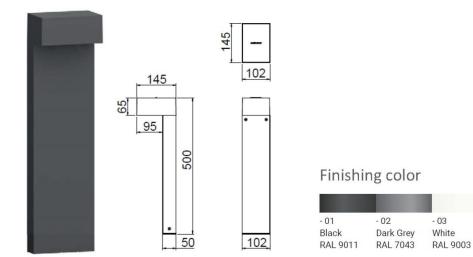
RAL 9006

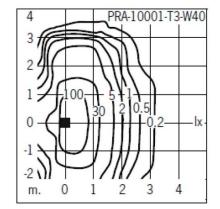
- 06

Bronze

RAL 6014

Bollard lighting (Subject to further review & consideration for greenway user)

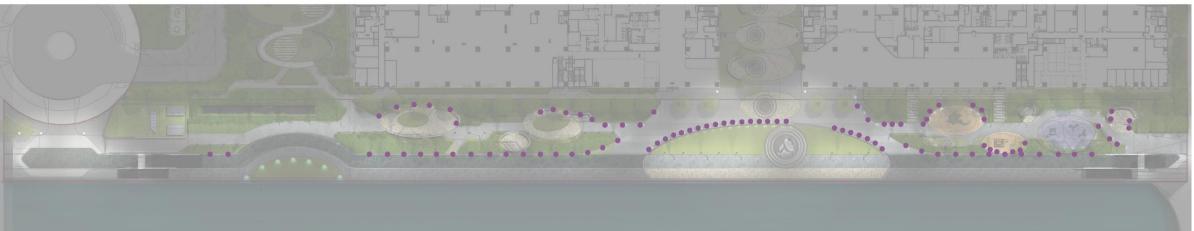




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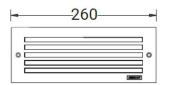
Wein-ARDT WS] RUE Rider ALCHOIL

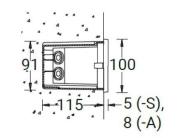
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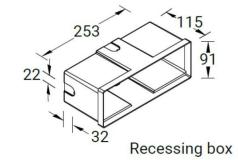


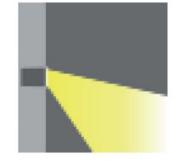
• Recessed wall lighting (attached to planter kerb)

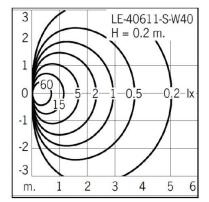












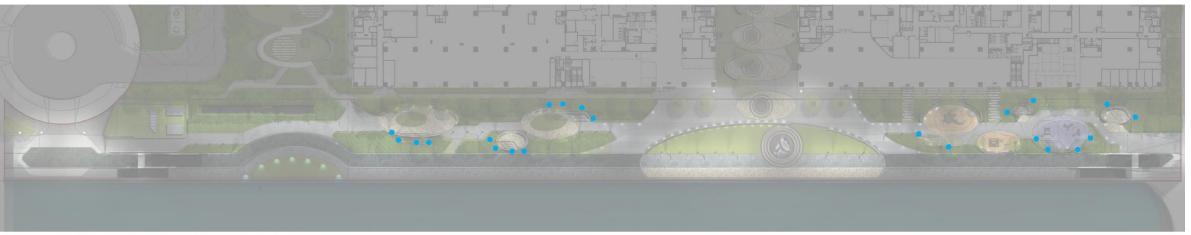
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NEINHARDT VS) RUB Rider Autoria

Finishing color

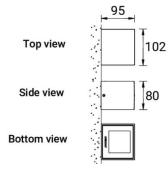
- 01	- 02	- 03	- 05	- 06
Black	Dark Grey	White	Matt Silver	Bronze
RAL 9011	RAL 7043	RAL 9003	RAL 9006	RAL 6014

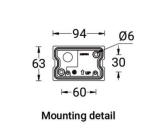
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• Surface Downlight (attached to structure)







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NEINHARDT VS) RUB Rider Autoria

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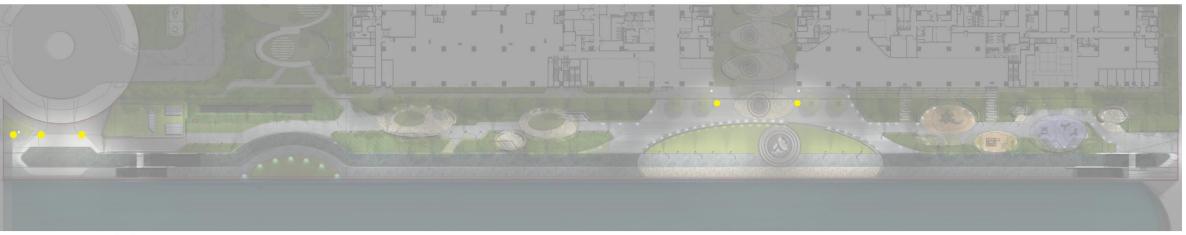
Finishing color

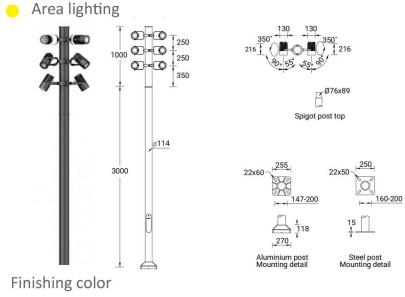






New Acute Hospital at Kai Tak Development Area

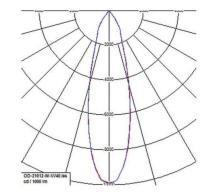




- 01	- 02	- 03	- 05	- 06
Black	Dark Grey	White	Matt Silver	Bronze
RAL 9011	RAL 7043	RAL 9003	RAL 9006	RAL 6014

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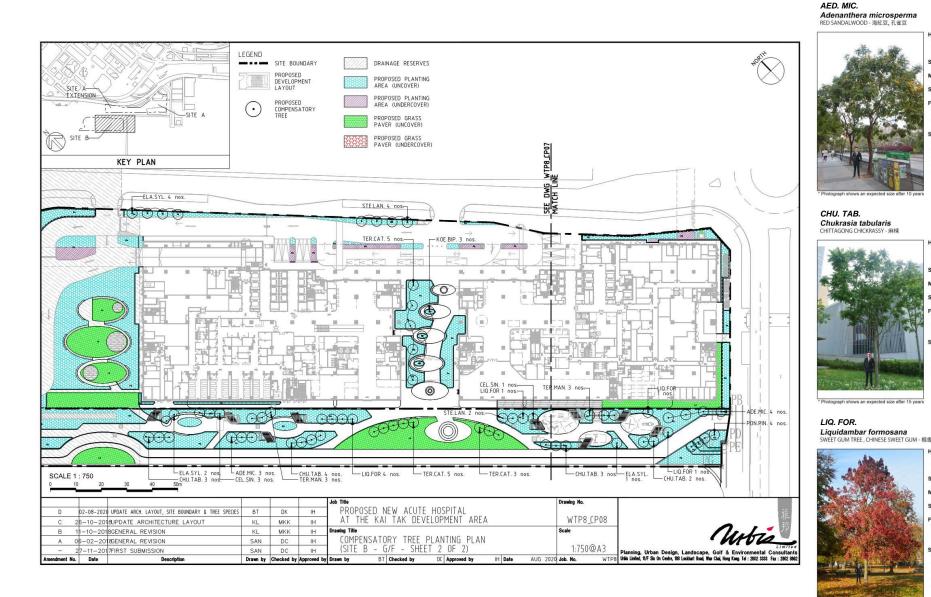


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Promenade Tree Planting Proposal



CEL. SIN. Celtis sinensis CHINESE HACKBERRY - 朴樹 Specified size : 5m(H) x 2.5m(S) : 18m(H) x 14m(S) : 4.5m(c.c) - Yellow flower (April - July)

Habit - Native

- Deciduous

Mature size

Spacing

Feature

- Small leaves

Native species

- Wind tolerant

Habit

- Exotic

- Evergreen

Mature size

Open crown

- Flower display

- Low maintenance

Interesting leaves

- Wind & pollution tolerant

Spacing

Feature

Habit

- Native

- Deciduous

Mature size

Spacing

Feature :

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- Uniform tree shape

- Slow growing

Native species.

Provide good shade

Wind & pollution tolerant

I ow maintanance

Narrow & tall habit

Specified size : 5m(H) x 2.5m(S)

Selection criteria for this project

: 25m(H) x 18m(S)

Notis .

: 5m(c.c)

Specified size : 5m(H) x 2.5m(S)

: 4m(c.c)

Pale vellow/cream flowers (Anr-May

- Interesting leave shape

Selection criteria for this project

: 20m(H) x 15m(S)

- Ecological value

Provide light shade

- See through crown

Selection criteria for this project

Specified size : 3m(H) x 2m(S) : 20m(H) x 15m(S) lature size pacing : 4m(c.c) Feature - Uniform tree form Dense crown Hardly to get in poor condition election criteria for this project - Native species Provide good shade - Low maintenance Uniform appearance Slow growing

ELA. SYL. Elaeocarpus sylvestris WOODLAND ELAEOCARPUS - 山杜英





: 16m(H) x 11m(S) : 4m(c.c) - Fruit attractive to birds - Old leaves turn to red color election criteria for this project

TER. CAT. Terminalia catappa NDIAN ALMOND - 欖仁枝



: 5m(c.c) Architectural tree form (layer effect) - Small leaves Leaves turn red in winter - Salt tolerant Selection criteria for this project - Low maintanance - Architectural tree form See through crown - Provide good shade all year round

RLB 利比 Rider 上evett

'5

n expected size after 15 ve



labit - Native Evergreen

> Interesting red leave colour Wind tolerant

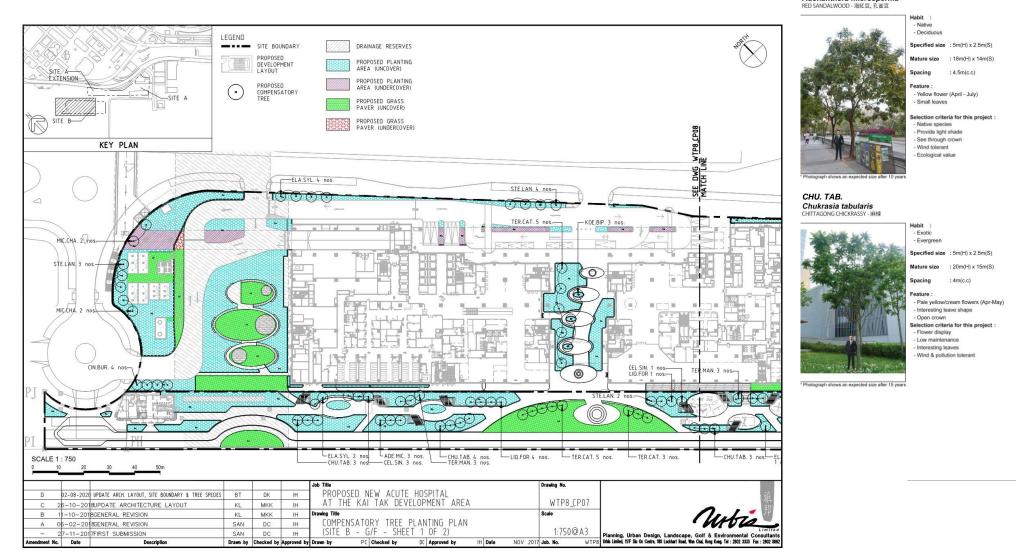
ature size : 20m(H) x 10m(S) Spacing Feature : - Wind & pollution tolerant - Salt tolerant

Deciduous

MEINHARDT \\S

New Acute Hospital at Kai Tak Development Area

Promenade Tree Planting Proposal



CHINESE HACKBERRY - 朴樹

CEL. SIN.

Celtis sinensis

- Native - Deciduous Specified size : 3m(H) x 2m(S) : 20m(H) x 15m(S) lature size spacing : 4m(c.c) Feature - Uniform tree form Dense crown Hardly to get in poor condition election criteria for this project - Native species Provide good shade - Low maintenance

Uniform appearance

Slow growing

Habit

ELA. SYL. Elaeocarpus sylvestris WOODLAND ELAEOCARPUS - 山杜英

- Native	
- Evergreen	
Specified size	: 5m(H) x 2m(S)
Mature size	: 16m(H) x 11m(S)
Spacing	: 4m(c.c)
Feature :	
- Fruit attractiv	ve to birds
- Old leaves to	urn to red color
- Uniform tree	shane
- Dense crow	1000000000
Selection crite	ria for this project
- Native speci	es
- Provide good	d shade
- Low mainter	lance
- Interesting re	ed leave colour
- white tolerain	15
	- Evergreen Specified size Mature size Spacing Feature : - Fruit attractit - Old leaves th - Uniform tree - Dense crow Selection crite - Native speci Provide goor

vide good shade maintenance resting red leave colour tolerant

STE. LAN. Sterculia lanceolata LANCE-LEAVED STERCULIA, SCARLET STERCULIA - 假蘋婆, 七姐果



Mature size : 15m(H) x 8m(S) pacing : 4m(c.c) Feature Red flower (Apr-May)

Dense crown election criteria for this project Native species - Low maintanance Provide good shade with feature flowers Pollution tolerant Narrow crown

> RLB 利比 Levett

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AED. MIC.

Adenanthera microsperma



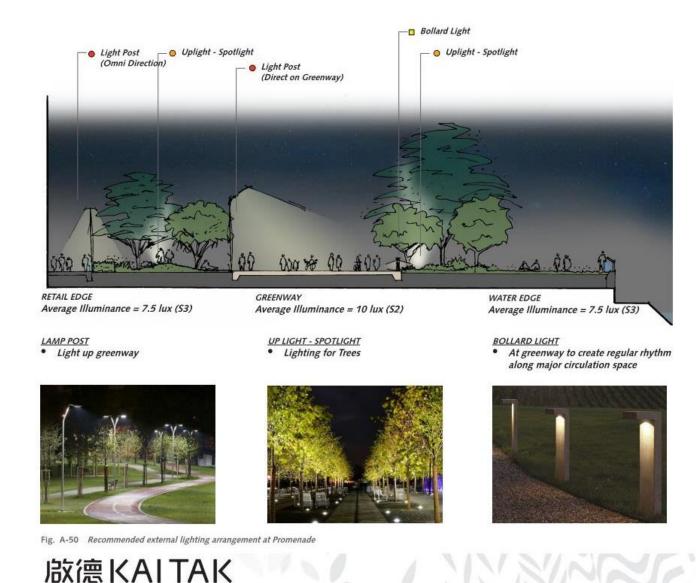
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ograph shows an expected size after 15 yea

Design Guidelines for Kai Tak Promenade



Design Guidelines for Kai Tak Promenade



 Provide simple landscape lighting along the promenade including bollard and street lighting. Ambient lighting level for the Promenade shall be around 40 lux.

Lighting Class	Locations	Maintained Average Illuminance (lux)	Maintained Minimum Illuminance (lux)	
S 1	Footpaths at prestigious and crowded pedestrian areas	15.0	3.0	
S2	Footpaths/cycle tracks at amenity areas where nighttime public utilization is moderate to high, e.g. places associated with amenities such as shopping precincts, footpaths/cycle tracks near train stations or town centres	10.0	2.0	
S3	Footpaths/cycle tracks at amenity areas where nighttime public utilization is moderate	7.5	1.5	
S 4	Footpaths where nighttime public utilization is low	5.0	1.0	
S5	Footpaths where nighttime public utilization is very low	3.0	0.6	

*Average Illuminance based on Table 2-5 of Public Lighting Design Manual issued by Highways Department

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Kai Tak Promenade Design Guidelines

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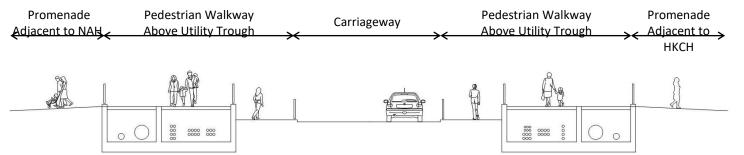
Promenade – D4 Road Crossing





View 2

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New Acute Hospital at Kai Tak Development Area

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Harbour Planning Principles **5**.0

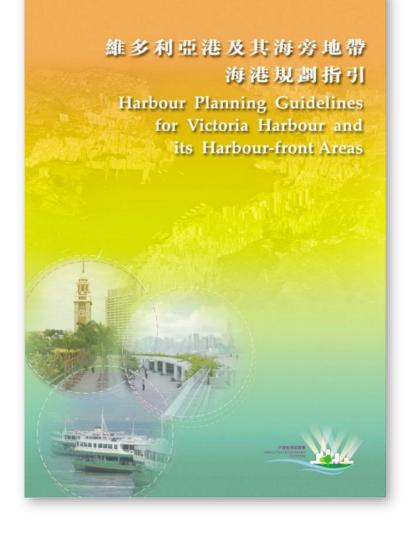


Harbour Planning Principles

The NAH proposal aligns with the Harbour Planning Principles in the following aspects:

- Sustainable Development Urban Design
- Integrated Planning Interfacing with Infrastructure
- Accessible Harbour Physical Connectivity
- Vibrant Harbour Spatial Connectivity
- Proactive Harbour Enhancement Visual Connectivity
- Public Enjoyment Setback
- Stakeholder Engagement District Council Consultation

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WEINHARDT WS)

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RLB 利比 Rider

THANK YOU