

INSTILLING **BIOPHILIA** IN PLANNING AND DESIGN – HONG KONG 2030+'S STRATEGIC RESPONSE TO **CONNECT US WITH NATURE**

HONG KONG 2020 INTERNATIONAL URBAN FORESTRY CONFERENCE | 16 JAN 2020



Source: ISD

HONG KONG: THE COMPACT HIGH-DENSITY CITY



Source: HKTB



Source: ISD



Source: ISD

LIVEABILITY IN THE COMPACT HIGH-DENSITY CITY



Source: EKEO



Source: ISD

A CITY WITHIN NATURE – BENEFITS OF THE GREEN



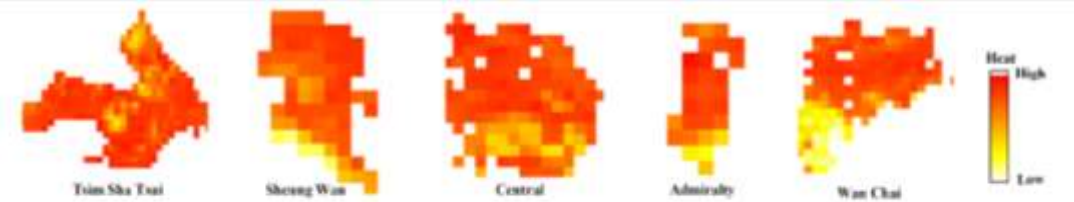
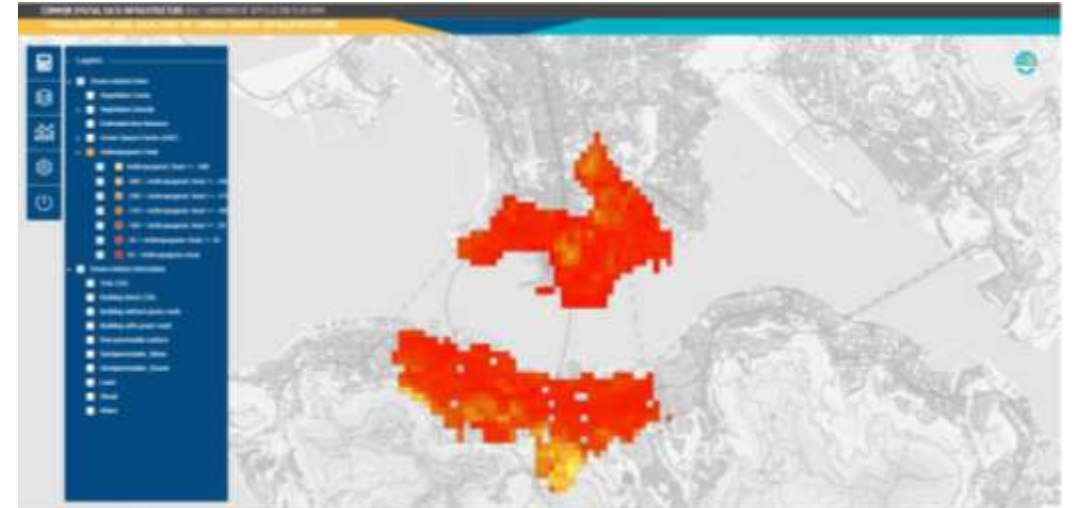
Source: LCSD

Enhance
Visual and soundscape



Source: PlanD

Improve
Micro-climate



Source: PlanD

Relieve
Urban heat island effect

A CITY WITHIN NATURE – SYNERGY WITH THE BLUE



Better environment and backdrop for diverse urban life



Social cohesion, recreation and reuse of place



Promotion of water friendly culture

AND NATURE WITHIN CITY?



Source: ISD

Outside built-up areas



Source: ISD

Within built-up areas

STRATEGIC DIRECTIONS: HONG KONG 2030+



To build biophilic districts

STRATEGIC DIRECTIONS: HONG KONG 2030+



To enhance existing green-blue assets



To reinvent the green and blue system

STRATEGIC DIRECTIONS: HONG KONG 2030+



Source: HD



Source: HD

To promote a greener built environment

URBAN DESIGN PRINCIPLE - Hung Shui Kiu New Development Area & Yuen Long South Development

Respecting the Surrounding Environment



Stepped Development Intensity & Green Feature

Creating Livable and Sustainable Neighbourhood



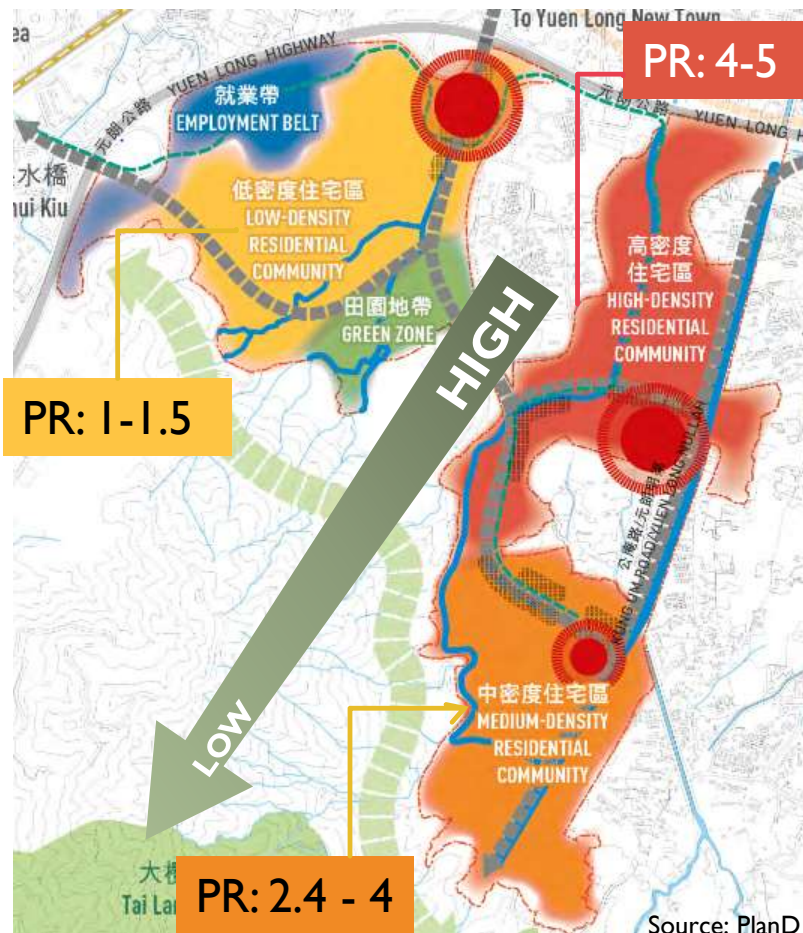
Maximized Visual and Air Corridors & Blue and Green Integration

Enhancing Accessibility and Walkability



Integrate Open Space, Amenity Area System and Cycle Tracks

GRADATION OF DEVELOPMENT INTENSITY & ENHANCED GREEN FEATURE



Yuen Long South Development

HUNG FUK ESTATE (HUNG SHUI KIU NDA) – GREEN COVERAGE

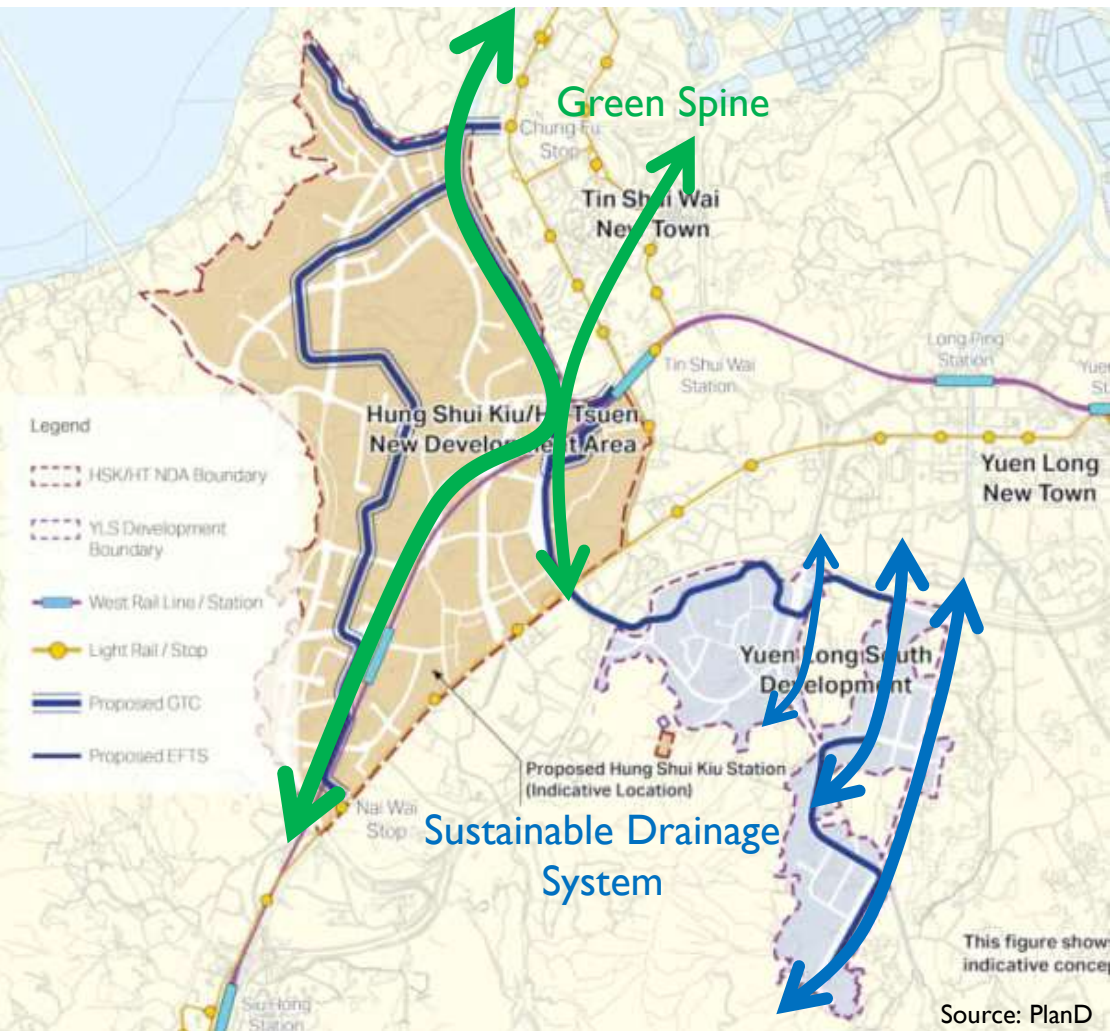
Wind Environment and Natural Ventilation



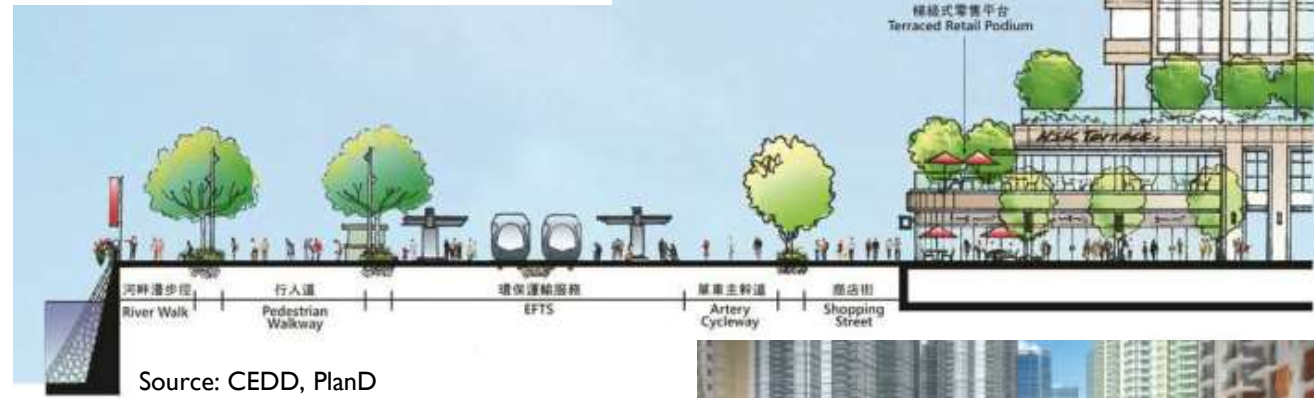
About
30%

Transplanted Trees in Nature Walk

GREEN CONNECTIVITY



HSK NDA – Green Spine



Source: CEDD, PlanD



Sustainable Drainage System: Beautification of Yuen Long Nullah

LIVABLE AND SUSTAINABLE NEIGHBORHOOD

圖例 Legend

-  洪水橋新發展區界線
HSK NDA Boundary
-  擬議休憩用地
Proposed Open Space
-  現有休憩用地
Existing Open Space
-  美化市容地帶
Amenity Area
-  區域廣場
Regional Plaza
-  綠色地帶
Green Belt
-  山景
Mountain Backdrop
-  主要觀景廊 / 通風廊
Major View Corridor / Breezeway
-  風水帶
Fung Shui Lane
-  主要門廊
Primary Gateway
-  服務門廊
Servicing Gateway
-  商店街 / 步行街
Shopping Street / Pedestrian Street



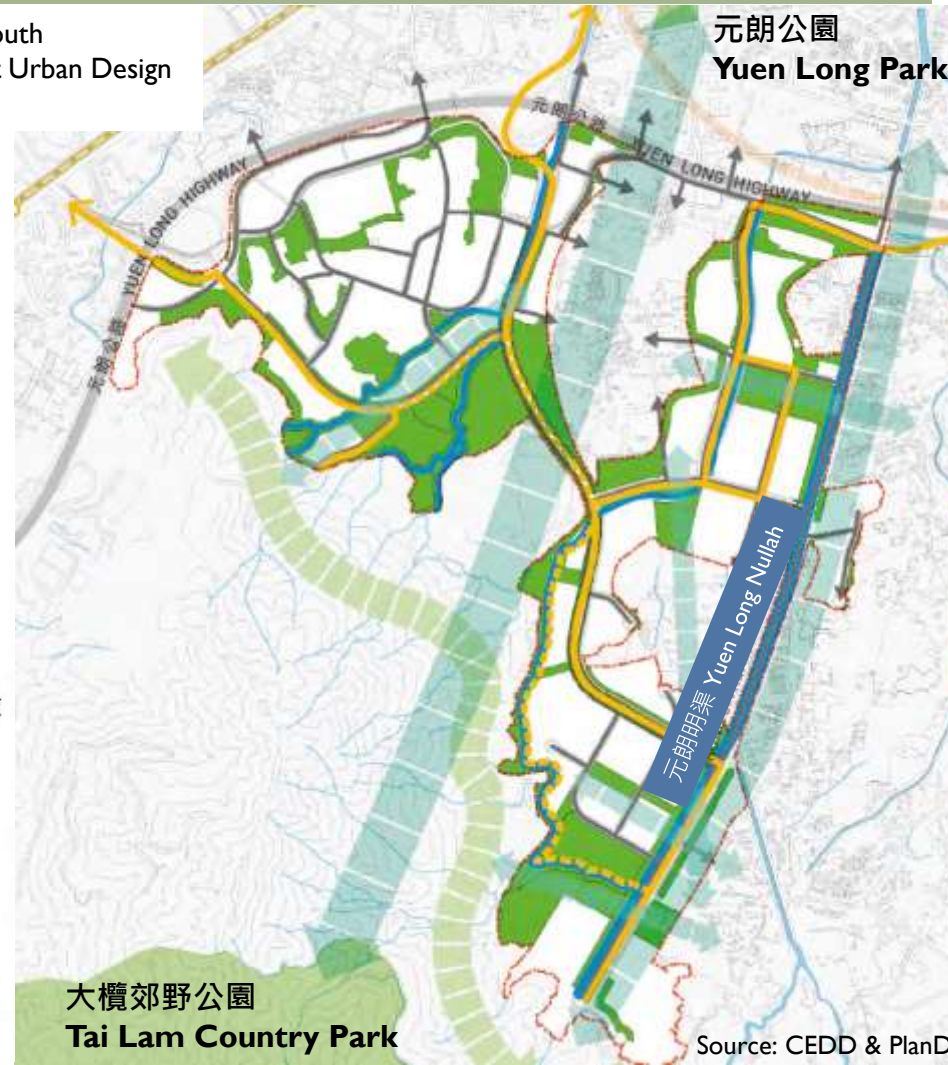
Source: CEDD & PlanD

Hung Shui Kui
NDA Urban
Design Framework

Yuen Long South
Development Urban Design
Framework

圖示 LEGEND

-  擬議行人道
Proposed Footpath
-  擬議單車徑
Proposed Cycle Track
-  擬議觀景單車徑
Proposed Scenic Cycle Track
-  水道/水體
Watercourse / Water Body
-  鄰近發展區的天然河溪及渠道
Natural Stream and Channel near
the Development Area
-  綠色空間
Green Space
-  主要觀景廊/通風廊
Key View Corridor / Breezeway
-  次要觀景廊/通風廊
Secondary View Corridor / Breezeway
-  山景
Mountain Backdrop



大欖郊野公園
Tai Lam Country Park

Source: CEDD & PlanD

PUBLIC REALM: OPPORTUNITIES FOR MULTI-PURPOSE USAGE



PUBLIC OPEN SPACE



PRIVATE OPEN SPACE



SEWAGE TREATMENT FACILITY

DESIGN: STRETCHING BOUNDARY FOR MULTILEVEL SPACES



Source: PlanD

PEDESTRIAN SPACE



Source: Film Services Office

PODIUM GARDEN

RESILIENCE: COLLABORATION BETWEEN THE GREEN AND BLUE



WATERFRONT PROMENADE



NULLAH



RAINWATER HARVESTING SYSTEMS

THANK YOU



Source: ISD