

ITEM FOR PUBLIC WORKS SUBCOMMITTEE OF FINANCE COMMITTEE

HEAD 703 – BUILDINGS

Environmental Hygiene – Others

187GK – Animal Management and Animal Welfare Building Complex in Kai Tak Development

Members are invited to recommend to the Finance Committee the upgrading of **187GK** to Category A at an estimated cost of \$881.9 million in money-of-the-day prices for the construction of the Animal Management and Animal Welfare Building Complex.

PROBLEM

We need to relocate the Animal Management Centre in Kowloon (AMC(K)) for releasing the existing site in To Kwa Wan for public housing development and also to provide additional space and facilities to meet the operational needs of the Agriculture, Fisheries and Conservation Department (AFCD).

PROPOSAL

2. The Director of Architectural Services, with the support of the Secretary for Food and Health, proposes to upgrade **187GK** to Category A at an estimated cost of \$881.9 million in money-of-the-day (MOD) prices for the construction of the Animal Management and Animal Welfare Building Complex (the Complex) in Kai Tak Development (KTD).

/PROJECT

PROJECT SCOPE AND NATURE

3. The proposed site occupies an area of 2 344 square metres (m²) at Site 3A1 in KTD. The scope of the project comprises -

- (a) construction of a new 15-storey complex for –
 - (i) re-provisioning of AMC(K);
 - (ii) provision of offices and facilities for Animal Management (Development) Division (AMDD), Equine Disease Division (EDD), Veterinary Laboratory Division (VLD), Antimicrobial Resistance Surveillance Section (AMRSS) and Avian Influenza Surveillance Section (AISS) of Animal Health Division (AHD) and the Secretariat of the Veterinary Surgeons Board (VSB);
 - (iii) provision of other related ancillary facilities; and
- (b) demolition of the existing AMC(K).

4. A site and location plan, floor plans, a sectional drawing, an artist's impression and a barrier-free access plan for the project are at **Enclosures 1 to 12**. Subject to funding approval of the Finance Committee, we plan to commence construction in the third quarter of 2020 for completion of the works including the demolition in the second quarter of 2024.

JUSTIFICATION

5. AFCD operates four Animal Management Centres (AMCs) across the territory, which provide services relating to vaccination and licensing of dogs, and temporarily housing for imported animals during their quarantine periods, stray animals for owners to reclaim as well as animals surrendered by owners before they are arranged for adoption. AMC(K) is located in To Kwa Wan with a site area of around 1 130 m². It is also one of Hong Kong's two statutory quarantine centres for imported animals under the Rabies Ordinance (Cap. 421).

/Release

Release of the existing site for public housing development

6. The relocation of AMC(K) is necessary for the release of the existing site in To Kwa Wan, which has been planned for building about 600 units of public housing.

Re-provisioning of AMC(K) with improved facilities

7. Developing the Complex in KTD will provide AFCD with the essential hardware to enhance its services. The workload of AMC(K) is very heavy¹, yet it is the smallest AMC. The building has been in operation since the 1960s, and facilities inside have become insufficient. Some animal welfare organisations have also asked the Government to provide more animal keeping facilities at the AMCs. AMC(K) now has only one inoculation room for dog vaccination, resulting in a long queue at the waiting area; and one interview room for providing public services, which include taking prosecution statements and handling public enquiries and complaints. If the room is occupied, some of these tasks will have to be performed at the waiting areas or corridors. In addition, not all rooms are temperature-regulated. With its structural constraints, room for improvement works at AMC(K) is limited.

8. The Complex will provide about 270 animal keeping facilities for dogs, cats and other small animals, which is more than double the current number of similar facilities in AMC(K)². AFCD will then be able to receive more stray animals or animals given by owners and extend the housing period of these animals where necessary, with a view to enhancing their chance of being adopted. This could also shorten the waiting time of the importers for booking AFCD's quarantine facilities.

9. In addition, two inoculation rooms for dog vaccination and a larger waiting area, as well as eight individual multi-purpose rooms³ will be provided in the Complex. The temperature and humidity of the Complex can be regulated, making it more comfortable for the animals. In the existing AMC(K), there is no proper exercise yard available for the animals being kept. In the Complex, both indoor and outdoor exercise areas will be provided to improve the wellbeing, and temperament of the animals, with a view to increasing their chance of being adopted.

/10.

¹ In 2019, there were a total of about 4 177 animal nuisance complaints being handled by the four AMCs. Among the four AMCs, AMC(K) handled around 45% of the total complaint received.

² The number of animal keeping facilities in the existing AMC(K) is around 120.

³ There will be six individual multi-purpose rooms to be provided at AMC(K) and two for the AMDD.

10. Besides, there is currently only one medical treatment facility in AMC(K), which will be expanded in the Complex with the inclusion of a veterinary surgical operation theatre and a X-ray room. A new special case detention facility will also be provided in the Complex for keeping court exhibits (e.g. animals involved in cruelty cases).

New publicity and public education facilities

11. At present, there are no library, classroom and exhibition facilities in AFCD premises for organising classes, seminars and programmes on responsible pet ownership and animal welfare⁴. Dedicated facilities for library and classroom will be available at the Complex. This will go a long way in enhancing animal welfare in Hong Kong. The facilities mentioned above will enable AFCD to launch more varieties of publicity and provide more opportunities for participants to see and handle animals first-hand. All units of AFCD's AMDD⁵, now scattered at different locations, will be co-located to enhance synergy and efficiency in the department's operations.

Office space for the VSB

12. The Complex will provide a stand-alone office and disciplinary inquiry related facilities for the VSB⁶. The VSB Secretariat is now relying on shared office space, equipment and conference facilities in the AFCD headquarters at the Cheung Sha Wan Government Offices which is already overcrowded. Furthermore, members of the public may visit the Secretariat from time to time to make statutory declarations for complaint cases or submit documents for registration. Given the increasing number of registered veterinary surgeons in Hong Kong⁷, we see an upsurge in workload arising from the registration, and regulating the practice of veterinary surgery.

/Additional

⁴ The current channels used by AFCD include roving exhibitions, school and estate seminars, adoption days, the production of announcement of public interests and videos for display at different locations, production of leaflets and posters and a thematic website.

⁵ AMDD comprises an Education Team (managing publicity and public education related to animal welfare), a Task Force (combating illegal animal trading and boarding on the internet) and a Licensing and Inspection Unit (carrying out licensing and regulatory duties under the Public Health (Animals and Birds) (Trading and Breeding) Regulations (Cap. 139B)).

⁶ The VSB is an independent statutory authority established under the Veterinary Surgeons Registration Ordinance (Cap. 529). It exercises registration and regulatory functions for the veterinary profession in Hong Kong.

⁷ The number of registered veterinary surgeons has grown from around 150 in 1998 to more than 1 000 as at end-April 2020.

Additional veterinary laboratory space

13. The Complex will also provide much needed additional veterinary laboratory space. AFCD's Tai Lung Veterinary Laboratory (TLVL) is the only government veterinary laboratory responsible for diagnostic testing of animal diseases and chemical residual testing in order to safeguard public and animal health in Hong Kong. At present, there is no spare capacity at TLVL for antimicrobial resistance (AMR) tests on local food animals and equine disease tests⁸. The Complex will help relieve the shortage of space in this regard.

FINANCIAL IMPLICATIONS

14. We estimate the capital cost of the project to be \$881.9 million in MOD prices, broken down as follows –

	\$ million (in MOD prices)
(a) Site works	15.6
(b) Piling	75.1
(c) Building ⁹	451.3
(d) Building services ¹⁰	151.2
(e) Drainage	7.5
(f) External works	13.4
(g) Demolition works	6.5

/\$ million

⁸ In July 2017, the Government announced a five-year strategy and plan to combat the growing threat of AMR, and AFCD's VLD needs new laboratory facilities to conduct AMR tests on local food animals. In addition, with the commissioning of the Conghua Racecourse in August 2018, it is anticipated that there would be an increased demand for the EDD to conduct equine disease tests to facilitate the frequent horse movement between Hong Kong and Conghua. Moreover, to achieve synergy, the AMRSS set up in 2017 under AHD on surveillance and testing on local food animals and AISS will also be relocated to the Complex.

⁹ Building works comprise construction of substructure and superstructure of the building.

¹⁰ Building services works comprise electrical installations, ventilation and air-conditioning installations, fire service installations, lifts and other specialist installations, etc.

		\$ million (in MOD prices)
(h)	Additional energy conservation, green and recycled features	5.1
(i)	Furniture and equipment ¹¹	49.4
(j)	Consultants' fees for	17.8
	(i) contract administration	17.1
	(ii) management of resident site staff (RSS)	0.7
(k)	Remuneration of RSS	9.0
(l)	Contingencies	80.0
Total		<u>881.9</u>

15. We propose to engage consultants to undertake contract administration and site supervision for the project. A detailed breakdown of the estimate for consultants' fees and RSS costs by man-months is at **Enclosure 13**. The construction floor area (CFA) of this project is 21 316 m². The estimated construction unit cost, represented by the building and building services costs, is \$28,265 per m² of CFA in MOD prices. We consider this unit cost comparable to that of similar projects built by the Government.

16. Subject to funding approval, we plan to phase the expenditure as follows –

/Year

¹¹ The estimated cost is based on an indicative list of furniture and equipment required.

Year	\$ million (in MOD prices)
2020 – 2021	52.4
2021 – 2022	132.0
2022 – 2023	213.7
2023 – 2024	291.0
2024 – 2025	105.3
2025 – 2026	61.0
2026 – 2027	26.5
	<hr/> 881.9 <hr/>

17. We have derived the MOD estimates on the basis of the Government's latest set of assumptions on the trend rate of change in the prices of public sector building and construction output for the period 2020 to 2027. We will deliver the construction works through a lump-sum contract as the scope of the works can be clearly defined in advance. The contract will provide for price adjustment.

18. We estimate the annual recurrent expenditure arising from this project to be \$54.0 million.

/PUBLIC

PUBLIC CONSULTATION

19. We consulted the Kowloon City District Council on 21 March 2019. Members supported the project and were assured that the Complex would not cause any environmental nuisance, public health concern and traffic congestion in the nearby area. The Task Force on Kai Tak Harbourfront Development was also consulted on the project on 15 January 2019 and considered the project was in line with the Harbour Planning Principles and Guidelines and had no adverse impact on the Harbour. Animal welfare groups in general welcomed the project and urged for its early implementation.

20. We consulted the Legislative Council Panel on Food Safety and Environmental Hygiene on 12 November 2019. Members generally supported the submission of the funding proposal to the Public Works Subcommittee.

ENVIRONMENTAL IMPLICATIONS

21. The construction and operation of the new 15-storey Complex, which includes quarantine facilities, is a designated project under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap 499). Having regard to the project profile for the new Complex, the Director of Environmental Protection is satisfied that the environmental impact of the new Complex can meet the requirements of the Technical Memorandum on EIA Process. With the consent of the Secretary for the Environment, the permission to apply directly for an environmental permit was granted in July 2018. An Environmental Permit for the construction and operation of the new Complex was issued on 10 August 2018 under the EIA Ordinance. We shall implement the mitigation measures set out in the project profile and as required by the Director of Environmental Protection.

22. The demolition of the existing AMC(K) is not a designated project under the EIA Ordinance. We have completed the Preliminary Environmental Review (PER) for the project under the "Demolition of Animal Management Centre Kowloon" in December 2019. The PER has concluded and the Director of Environmental Protection agreed that the demolition works would not have any long-term environmental impacts. During construction, we will control noise, dust and site run-off nuisances to within established standards and guidelines through the implementation of recommended mitigation measures in the contract. These include the use of silencers, mufflers, acoustic lining or shields and the building of barrier wall for noisy construction activities, frequent cleaning and watering of the site, and the provision of wheel-washing facilities to prevent dust nuisance. We have included in the overall project estimate the cost to implement the recommended environmental mitigation measures for the project.

23. At the planning and design stages, we have considered measures to reduce the generation of construction waste where possible (e.g. using metal site hoardings and signboards so that these materials can be recycled or reused in other projects) for the construction of the new Complex. In addition, we will require the contractor to reuse inert construction waste (e.g. use of excavated materials for filling within the site) on site or in other suitable construction sites as far as possible, in order to minimise the disposal of inert construction waste at public fill reception facilities¹². We will encourage the contractor to maximise the use of recycled/recyclable inert construction waste, and the use of non-timber formwork to further reduce the generation of construction waste.

24. At the construction stage including the demolition works, we will require the contractors to submit for approval a plan setting out the waste management measures, which will include appropriate mitigation means to avoid, reduce, reuse and recycle inert construction waste. We will ensure that the day-to-day operations on site comply with the approved plan. We will require the contractor to separate the inert portion from non-inert construction waste on site for disposal at appropriate facilities. We will control the disposal of inert and non-inert construction waste at public fill reception facilities and landfills respectively through a trip-ticket system.

25. We estimate that the project will generate in total about 12 920 tonnes of construction and demolition waste. Of these, we will reuse about 930 tonnes (7.2%) of inert construction waste on site and deliver 10 620 tonnes (82.2%) of inert construction waste to public fill reception facilities for subsequent reuse. We will dispose of the remaining 1 370 tonnes (10.6%) of non-inert construction waste at landfills. The total cost for disposal of construction waste at public fill reception facilities and landfill sites is estimated to be \$1.0 million for this project (based on a unit charge rate of \$71 per tonne for disposal at public fill reception facilities and \$200 per tonne at landfills as stipulated in the Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 354N)).

HERITAGE IMPLICATIONS

26. This project will not affect any heritage site, i.e. all declared monuments, proposed monuments, graded historic sites/buildings, sites of archaeological interest and Government historic sites identified by the Antiquities and Monuments Office.

/LAND

¹² Public fill reception facilities are specified in Schedule 4 of the Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 354N). Disposal of inert construction waste at public fill reception facilities requires a licence issued by the Director of Civil Engineering and Development.

LAND ACQUISITION

27. The project does not require any private land acquisition.

ENERGY CONSERVATION, GREEN AND RECYCLED FEATURES

28. This project will be connected to the District Cooling System in KTD for chilled water supply. It will also adopt various forms of energy efficient features and renewable energy technologies including -

- (a) demand control of supply air;
- (b) heat energy reclaim of exhaust air;
- (c) building energy management system; and
- (d) solar hot water system.

29. For greening features, we will provide landscaping as well as vertical greening in the appropriate areas for environmental and amenity benefits.

30. The total estimated additional cost for adoption of the above energy conservation and greening features is around \$5.1 million (including about \$2.9 million for energy efficient features), which has been included in the cost estimate of this project. The energy efficient features will achieve 5.5% energy savings in the annual energy consumption with a payback period of about eight years.

BACKGROUND INFORMATION

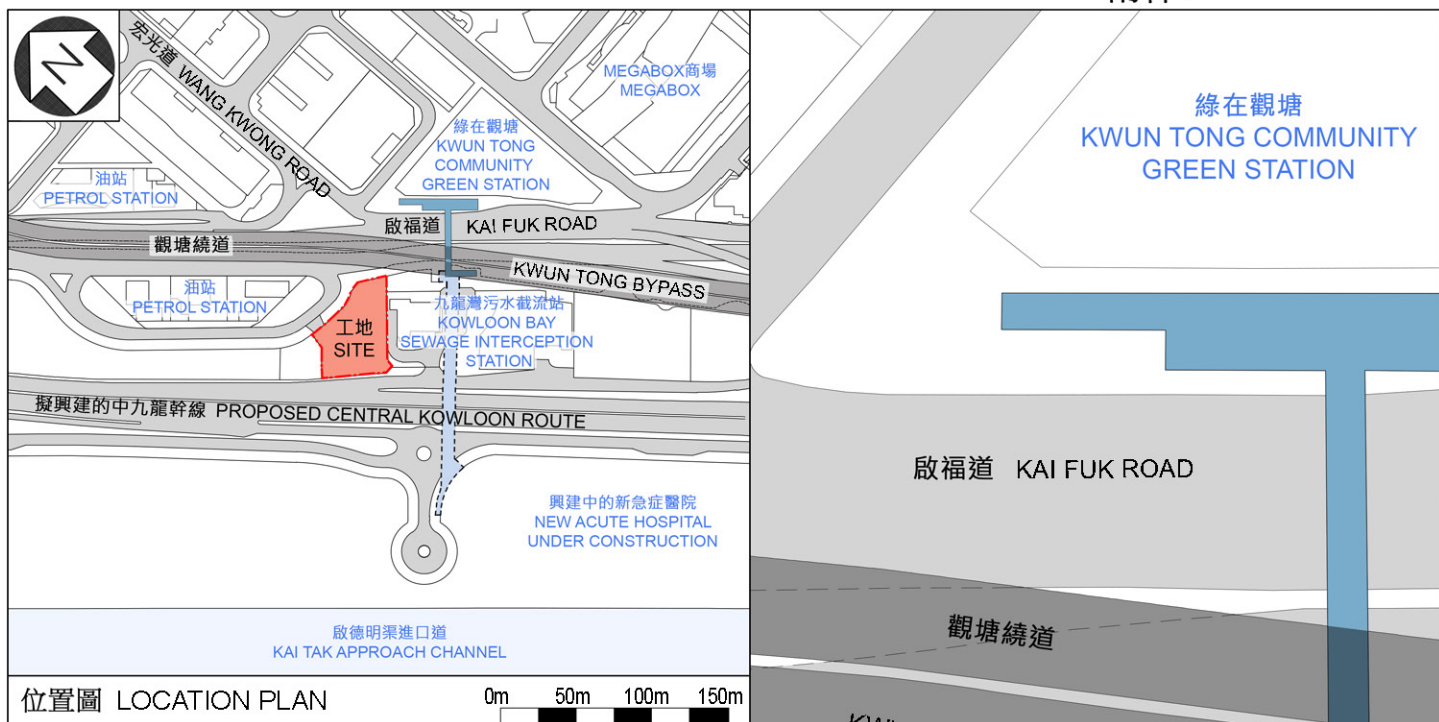
31. We upgraded **187GK** to Category B in September 2016. We engaged a contractor to undertake ground investigation and consultants to undertake various services, including risk assessment, environmental impact assessment study, design services, topographical survey, quantity surveying services, utility mapping, detail design, building environmental assessment certification and tender documentation at a total cost of about \$19.4 million. The above investigation and consultancy services were funded under block allocation **Subhead 3100GX** “Project feasibility studies, minor investigations and consultants’ fees for items in Category D of the Public Works Programme”. All the above investigation and consultancy services have been completed.

32. The proposed works will not involve any tree removal.

33. We estimate that the proposed works will create about 195 jobs (170 for labourers and 25 for professional or technical staff) providing a total employment of 5 415 man-months.

34. At the PWSC meeting on 31 October 2001, some Members suggested and the Government agreed to include information on the scope, approved project estimates and progress of all items under the KTD (formerly known as the “South East Kowloon Development”) Public Works Programme in future PWSC submissions relating to the KTD. The information is at **Enclosure 14**.

Food and Health Bureau
May 2020



圖例 LEGEND

- | | | |
|-----------------------------------|---|--|
| --- 工地界線
SITE BOUNDARY | ■ 地面綠化
AT-GRADE GREENING | ➡ 車輛出入口
VEHICULAR INGRESS / EGRESS |
| --- 垂直綠化
VERTICAL GREENING | ■ 天台綠化
LANDSCAPED ROOF | ➡ 行人出入口
PEDESTRIAN ENTRANCE / EXIT |
| ■ 太陽能熱水板
SOLAR HOT WATER PANEL | ■ 現有行人天橋
EXISTING FOOTBRIDGE | ➡ 無障礙出入口
BARRIER-FREE ENTRANCE / EXIT |
| | --- 擬興建行人天橋(由其他工程承造)
PROPOSED FOOTBRIDGE (BY OTHERS) | |

工地平面圖
SITE PLAN

187GK
啟德發展區的動物管理及動物福利綜合大樓
ANIMAL MANAGEMENT AND ANIMAL WELFARE
BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
SERVICES
DEPARTMENT 建築署



圖例 LEGEND

--- 工地界線 SITE BOUNDARY	動物管理設施 ANIMAL MANAGEMENT FACILITIES	機電房 PLANT ROOM
- - - 無障礙通道 BARRIER-FREE ACCESS	輔助設施 ANCILLARY FACILITIES	→ 車輛出入口 VEHICULAR INGRESS / EGRESS
..... 垂直綠化 VERTICAL GREENING	暢通易達升降機 ACCESSIBLE LIFT	➡ 行人出入口 PEDESTRIAN ENTRANCE / EXIT
■ 地面綠化 AT-GRADE GREENING	暢通易達洗手間 ACCESSIBLE TOILET	➡ 無障礙出入口 BARRIER-FREE ENTRANCE / EXIT
■ 職員範圍/辦公室 STAFF AREA / OFFICE	通用洗手間 UNIVERSAL TOILET	

地下平面圖
GROUND
FLOOR PLAN

187GK
啟德發展區的動物管理及動物福利綜合大樓
ANIMAL MANAGEMENT AND ANIMAL WELFARE
BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
SERVICES
DEPARTMENT 建築署



圖例 LEGEND

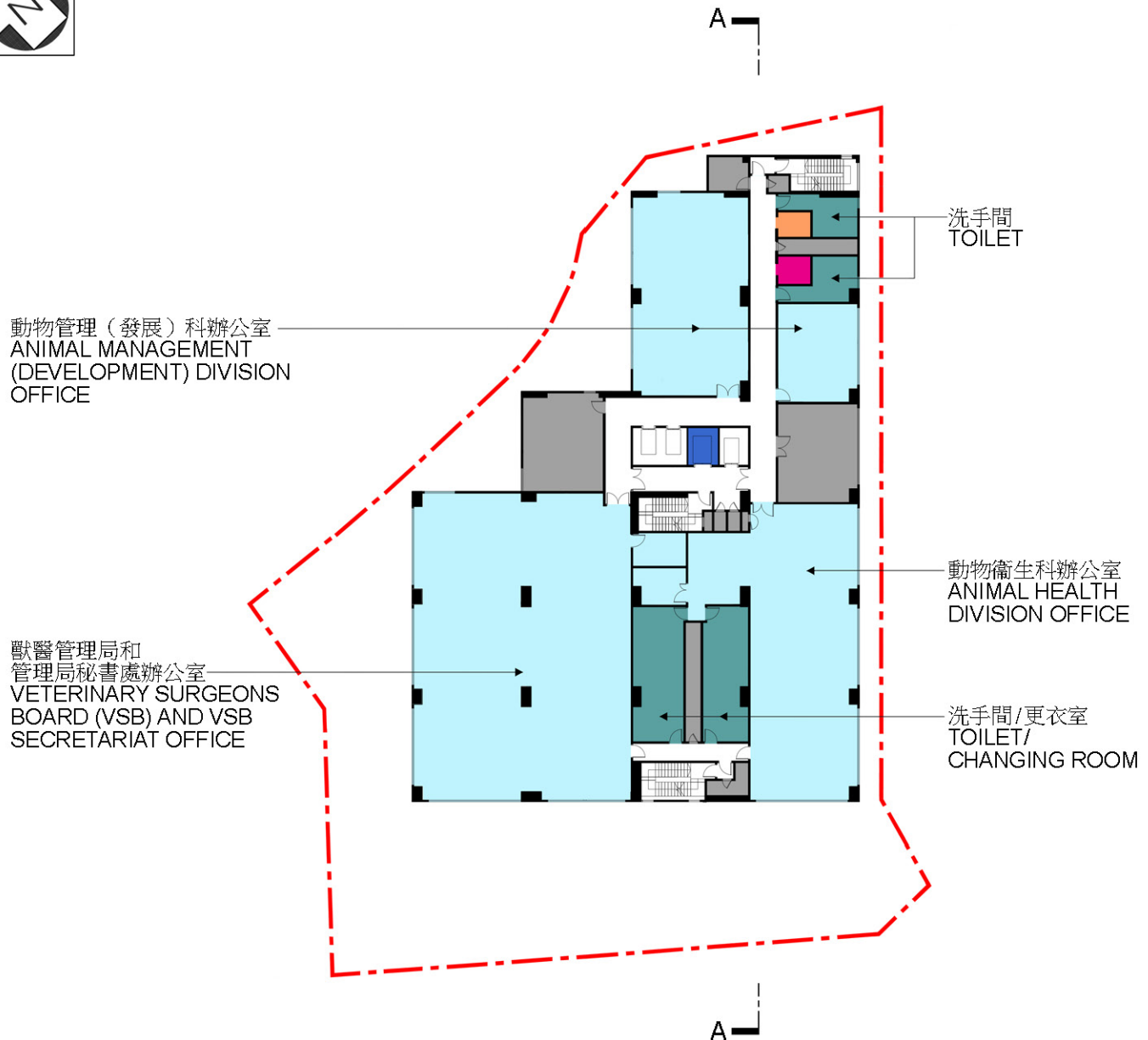
工地界線 SITE BOUNDARY	輔助設施 ANCILLARY FACILITIES
天台綠化 LANDSCAPED ROOF	暢通易達升降機 ACCESSIBLE LIFT
職員範圍/辦公室 STAFF AREA / OFFICE	暢通易達洗手間 ACCESSIBLE TOILET
動物管理設施 ANIMAL MANAGEMENT FACILITIES	通用洗手間 UNIVERSAL TOILET
公眾教育設施 PUBLIC EDUCATION FACILITIES	機電房 PLANT ROOM

三樓平面圖
THIRD
FLOOR PLAN

187GK
啟德發展區的動物管理及動物福利綜合大樓
ANIMAL MANAGEMENT AND ANIMAL WELFARE
BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
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DEPARTMENT 建築署



圖例 LEGEND

	工地界線 SITE BOUNDARY		通用洗手間 UNIVERSAL TOILET
	辦公室 OFFICE		機電房 PLANT ROOM
	輔助設施 ANCILLARY FACILITIES		
	暢通易達升降機 ACCESSIBLE LIFT		
	暢通易達洗手間 ACCESSIBLE TOILET		

四樓平面圖
FOURTH
FLOOR PLAN

187GK
啟德發展區的動物管理及動物福利綜合大樓
ANIMAL MANAGEMENT AND ANIMAL WELFARE
BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
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動物管理(貓檢疫)設施
ANIMAL MANAGEMENT
(CAT QUARANTINE) FACILITIES

動物管理(狗檢疫)設施
ANIMAL MANAGEMENT
(DOG QUARANTINE)
FACILITIES

洗手間
TOILET

註2: 七樓全層為動物管理(貓狗檢疫)設施，間格與六樓相若。
REMARK 2: 7/F IS ANIMAL MANAGEMENT (CAT & DOG QUARANTINE)
FACILITIES WITH LAYOUT SIMILAR TO 6/F.

0m 5m 10m 15m 20m 25m

圖例 LEGEND

--- 工地界線
SITE BOUNDARY

動物管理設施
ANIMAL MANAGEMENT FACILITIES

輔助設施
ANCILLARY FACILITIES

暢通易達升降機
ACCESSIBLE LIFT

暢通易達洗手間
ACCESSIBLE TOILET

通用洗手間
UNIVERSAL TOILET

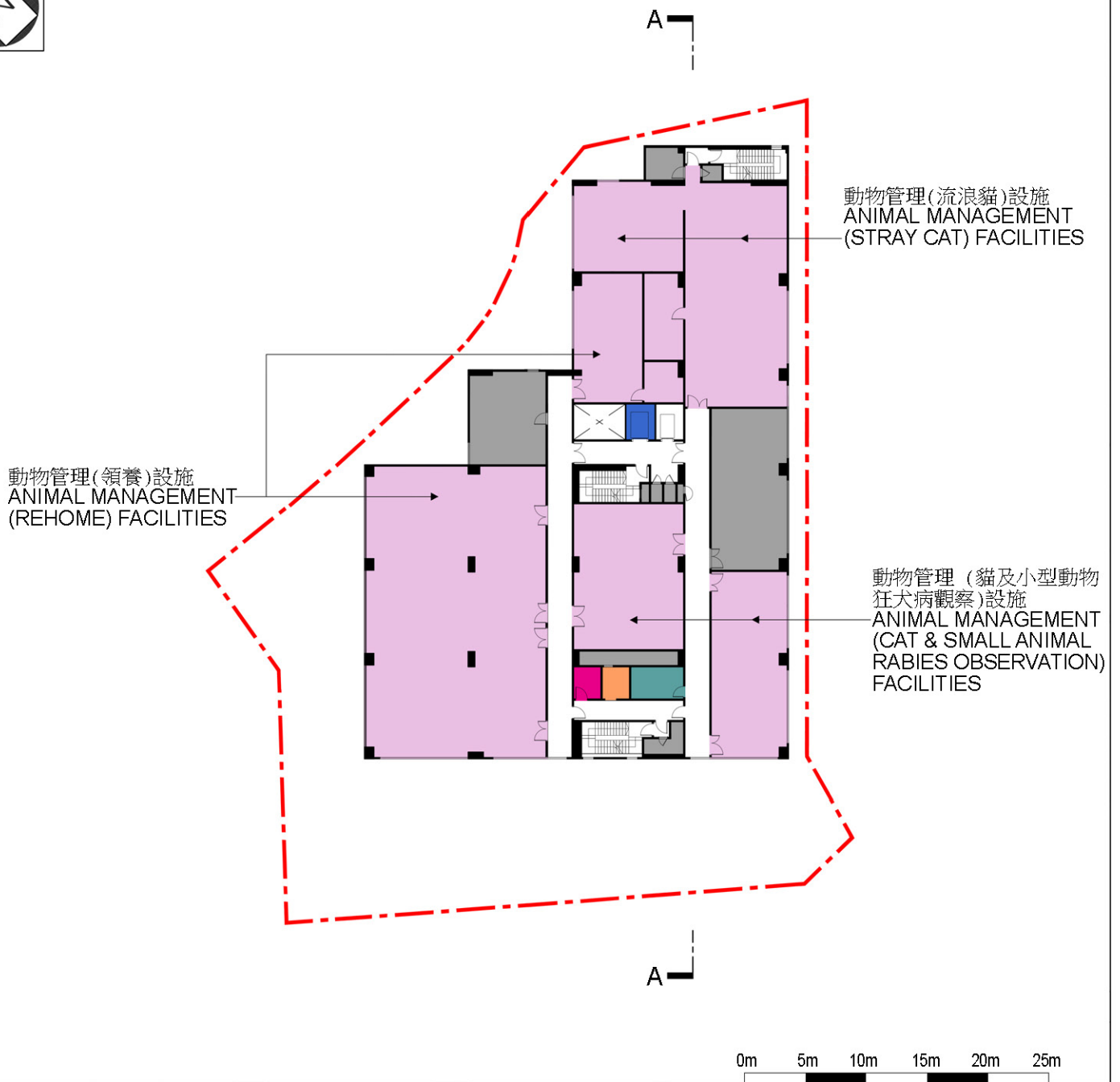
機電房
PLANT ROOM

六樓平面圖
SIXTH
FLOOR PLAN








187GK
啟德發展區的動物管理及動物福利綜合大樓
ANIMAL MANAGEMENT AND ANIMAL WELFARE
BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
SERVICES
DEPARTMENT 建築署



圖例 LEGEND

- | | |
|--|---|
|  工地界線
SITE BOUNDARY |  通用洗手間
UNIVERSAL TOILET |
|  動物管理設施
ANIMAL MANAGEMENT FACILITIES |  機電房
PLANT ROOM |
|  輔助設施
ANCILLARY FACILITIES | |
|  暢通易達升降機
ACCESSIBLE LIFT | |
|  暢通易達洗手間
ACCESSIBLE TOILET | |

八樓平面圖
EIGHTH
FLOOR PLAN

187GK
啟德發展區的動物管理及動物福利綜合大樓
ANIMAL MANAGEMENT AND ANIMAL WELFARE
BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
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動物管理(流浪狗)設施
ANIMAL MANAGEMENT
(STRAY DOG) FACILITIES



註3: 十樓全層為動物管理(流浪狗)設施，間格與九樓相若。
REMARK 3: 10/F IS ANIMAL MANAGEMENT (STRAY DOG) FACILITIES
WITH LAYOUT SIMILAR TO 9/F.

0m 5m 10m 15m 20m 25m

圖例 LEGEND

- | | |
|---|---|
| --- 工地界線
SITE BOUNDARY | 通用洗手間
UNIVERSAL TOILET |
| 動物管理設施
ANIMAL MANAGEMENT FACILITIES | 機電房
PLANT ROOM |
| 輔助設施
ANCILLARY FACILITIES | |
| 暢通易達升降機
ACCESSIBLE LIFT | |
| 暢通易達洗手間
ACCESSIBLE TOILET | |

九樓平面圖
NINTH
FLOOR PLAN

187GK
啟德發展區的動物管理及動物福利綜合大樓
ANIMAL MANAGEMENT AND ANIMAL WELFARE
BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
SERVICES
DEPARTMENT 建築署



A

動物管理(獸醫醫療)設施
ANIMAL MANAGAMENT
(VETERINARY MEDICAL)
FACILITIES

動物管理(狗狂犬病觀察)設施
ANIMAL MANAGEMENT
(DOG RABIES
OBSERVATION)
FACILITIES

洗手間/更衣室
TOILET/
CHANGING ROOM

A

0m 5m 10m 15m 20m 25m

圖例 LEGEND

--- 工地界線
SITE BOUNDARY

暢通易達洗手間
ACCESSIBLE TOILET

動物管理設施
ANIMAL MANAGEMENT FACILITIES

機電房
PLANT ROOM

輔助設施
ANCILLARY FACILITIES

暢通易達升降機
ACCESSIBLE LIFT

十一樓平面圖
ELEVENTH
FLOOR PLAN

187GK
啟德發展區的動物管理及動物福利綜合大樓
ANIMAL MANAGEMENT AND ANIMAL WELFARE
BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
SERVICES
DEPARTMENT 建築署



註4: 十三樓全層為獸醫化驗所設施及辦公室,間格與十二樓相若。
REMARK 4: 13/F IS VETERINARY LABORATORY FACILITIES AND OFFICE WITH LAYOUT SIMILAR TO 12/F.

0m 5m 10m 15m 20m 25m

圖例 LEGEND

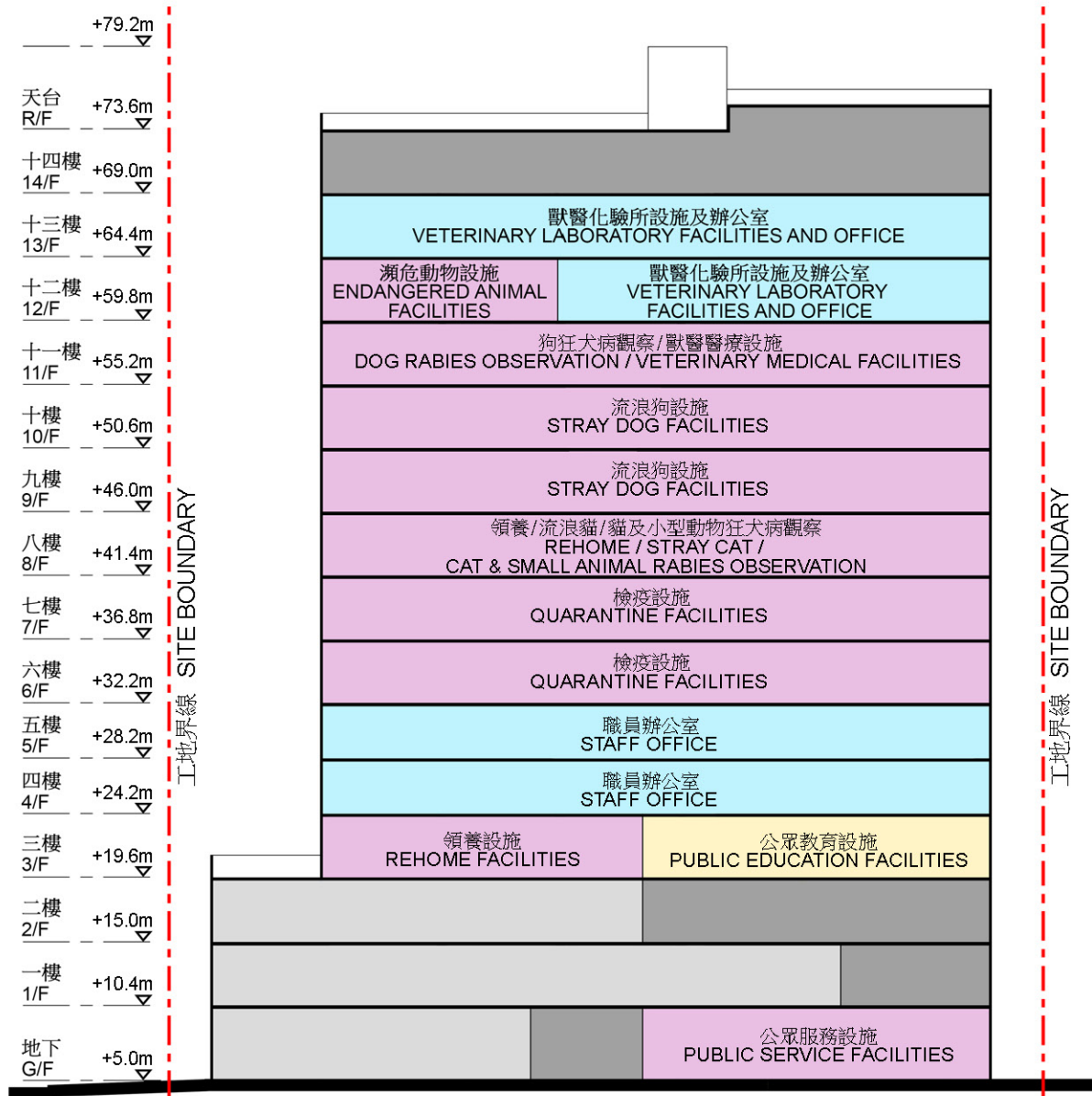
- | | |
|--|---|
| --- 工地界線
SITE BOUNDARY | 暢通易達洗手間
ACCESSIBLE TOILET |
| 獸醫化驗所設施及辦公室
VETERINARY LABORATORY FACILITIES AND OFFICE | 機電房
PLANT ROOM |
| 動物管理設施
ANIMAL MANAGEMENT FACILITIES | |
| 輔助設施
ANCILLARY FACILITIES | |
| 暢通易達升降機
ACCESSIBLE LIFT | |

十二樓平面圖
TWELVETH
FLOOR PLAN

187GK
啟德發展區的動物管理及動物福利綜合大樓
ANIMAL MANAGEMENT AND ANIMAL WELFARE
BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
SERVICES
DEPARTMENT 建築署



圖例 LEGEND

- | | |
|--|---|
| --- 工地界線
SITE BOUNDARY | 政府車輛停車場/上落貨區
GOVERNMENT VEHICLE
CARPARK / LOADING & UNLOADING AREA |
| 職員範圍/辦公室
STAFF AREA / OFFICE | 機電房
PLANT ROOM |
| 公眾教育設施
PUBLIC EDUCATION FACILITIES | |
| 動物管理設施
ANIMAL MANAGEMENT FACILITIES | |

剖面圖 A-A
SECTION A-A

187GK
啟德發展區的動物管理及動物福利綜合大樓
ANIMAL MANAGEMENT AND ANIMAL WELFARE
BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
SERVICES
DEPARTMENT 建築署



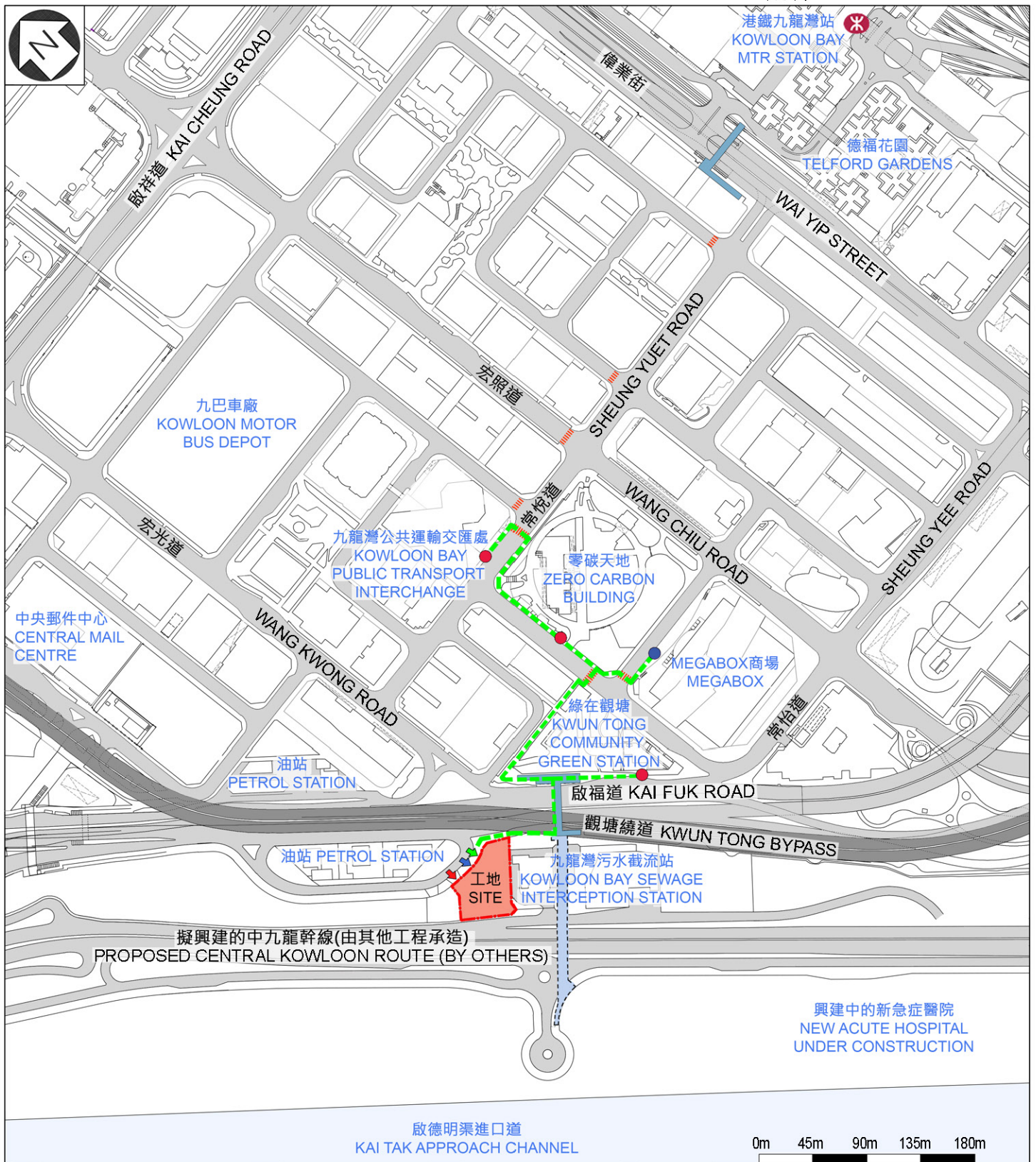
從西北面望向大樓的構思透視圖
PERSPECTIVE VIEW FROM NORTHWEST DIRECTION

構思圖
 ARTIST'S
 IMPRESSION

187GK
 啟德發展區的動物管理及動物福利綜合大樓
 ANIMAL MANAGEMENT AND ANIMAL WELFARE
 BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
 SERVICES
 DEPARTMENT 建築署



圖例 LEGEND

- | | | |
|---|--|---|
| --- 工地界線
SITE BOUNDARY | 現有行人天橋
EXISTING FOOTBRIDGE | ➡ 車輛出入口
VEHICULAR INGRESS / EGRESS |
| --- 無障礙通道
BARRIER-FREE ACCESS | 擬興建行人天橋 (由其他工程承造)
PROPOSED FOOTBRIDGE (BY OTHERS) | ➡ 行人出入口
PEDESTRIAN ENTRANCE / EXIT |
| ● 現有巴士站
EXISTING BUS STOP | 現有行人過路處
EXISTING AT-GRADE PEDESTRIAN CROSSING | ➡ 無障礙出入口
BARRIER-FREE ENTRANCE / EXIT |
| ● 現有小巴站
EXISTING MINI-BUS STOP | | |

無障礙通道平面圖
PLAN OF BARRIER-FREE ACCESS

187GK
啟德發展區的動物管理及動物福利綜合大樓
ANIMAL MANAGEMENT AND ANIMAL WELFARE
BUILDING COMPLEX IN KAI TAK DEVELOPMENT



ARCHITECTURAL
SERVICES
DEPARTMENT 建築署

**187GK – Animal Management and Animal Welfare Building Complex
in Kai Tak Development**

**Breakdown of the estimates for consultants' fees and resident site staff costs
(in September 2019 prices)**

		Estimated man- months	Average MPS[*] salary point	Multiplier (Note 1)	Estimated fee (\$ million)
(a) Consultants' fees for contract administration (Note 2)	Professional	–	–	–	9.8
	Technical	–	–	–	4.6
	Sub-total				<u>14.4 #</u>
(b) Resident site staff (RSS) costs (Note 3)	Professional	36	38	1.6	4.9
	Technical	68	14	1.6	3.3
	Sub-total				<u>8.2</u>
Comprising -					
(i) Consultants' fees for management of RSS			0.6#		
(ii) Remuneration of RSS			7.6#		
Total					<u>22.6</u>

* MPS = Master Pay Scale

Notes

1. A multiplier of 1.6 applied to the average MPS salary point to estimate the cost of RSS supplied by the consultants (as at now, MPS salary point 38 = \$ 85,870 per month and MPS salary point 14 = \$ 30,235 per month).
2. The consultants' staff cost for contract administration is calculated in accordance with the existing consultancy agreement for provision of contract administration and site supervision of **187GK**. The assignment will only be executed subject to Finance Committee's approval to upgrade **187GK** to Category A.
3. The consultants' staff cost for site supervision is based on the estimate prepared by the Director of Architectural Services. We will only know the actual man-months and actual costs after completion of the construction works.

Remarks

The cost figures in this Enclosure are shown in constant prices to correlate with the MPS salary point of the same year. The figures marked with # are shown in money-of-the-day prices in paragraph 14 of the main paper.

Kai Tak Development
List of Public Works Programme (PWP) Items in Category A

(Note: For details on the project scope of the PWP items listed below, please refer to the corresponding PWSC papers.)

PWP item no.:	440CL
Project title:	South East Kowloon development – comprehensive feasibility study
Date of upgrading to Category A:	April 1995
Approved project estimate:	\$220 million
Project scope:	The project comprises a comprehensive feasibility study for the whole South East Kowloon area, as well as associated laboratory testing and site investigation works.
Brief account of progress:	(a) The feasibility study was completed in December 2003. (b) The project account has been finalised at the sum of \$185.2 million.

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PWP item no.:	494CL (part upgraded from 469CL)
Project title:	South East Kowloon development at Kai Tak Airport – decontamination and site preparation
Date of upgrading to Category A:	February 1998
Approved project estimate:	\$316.9 million
Project scope:	Ground decontamination, demolition of existing buildings and structures and site preparation at the north apron of Kai Tak Airport.

- Brief account of progress:
- (a) The civil engineering works and the post-decontamination monitoring works were completed in April 2002 and December 2003 respectively.
 - (b) The project account has been finalised at the sum of \$281.8 million.

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- PWP item no.: **694CL** (part upgraded from **469CL**)
- Project title: South East Kowloon development at Kai Tak Airport – consultants' fees and site investigation
- Date of upgrading to Category A: November 2001
- Approved project estimate: \$115.9 million
- Project scope: Site investigation works and detailed design for 6 kilometres (km) drainage box culverts, five sewage pumping stations, flyovers, roads, sewerage, drainage and demolition of the passenger terminal building for the planned developments in the north apron area of Kai Tak Airport.
- Brief account of progress:
- (a) Consultancy started in January 2002.
 - (b) Detailed design for demolition of the passenger terminal building and associated structures has been completed.
 - (c) Detailed design of the stages 1, 2, 3A, 3B, 4,5A and 5B infrastructure works and the reconstruction and upgrading of Kai Tak Nullah at the north apron has been completed.
 - (d) Detailed design of the remaining infrastructure works at the north apron is in progress.

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PWP item no.:	693CL (part upgraded from 465CL)
Project title:	South East Kowloon development – consultants’ fees and site investigation for Kai Tak Approach Channel (KTAC) reclamation
Date of upgrading to Category A:	November 2001
Approved project estimate:	\$63.8 million
Project scope:	Site investigation works and detailed design for treatment of contaminated sediments and reclamation of KTAC, drainage and demolition of the existing airport taxiway bridge in KTAC.
Brief account of progress:	<p>(a) Consultancy started in January 2002.</p> <p>(b) In the light of the Court of Final Appeal (CFA)’s ruling on harbour reclamation under the Protection of the Harbour Ordinance (Cap. 531), the consultancy had been suspended since December 2003 and was terminated in July 2006.</p> <p>(c) The project account has been finalised at the sum of \$50.2 million.</p>

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PWP item no.:	699CL (part upgraded from 482CL)
Project title:	South East Kowloon development – consultants’ fees and site investigation for Kowloon Bay reclamation and engineering works
Date of upgrading to Category A:	July 2002
Approved project estimate:	\$105.7 million
Project scope:	Site investigation works and detailed design for treatment of contaminated sediments and reclamation of Kowloon Bay, marine structures and facilities, roads, drainage and sewerage works.

- Brief account of progress:
- (a) Consultancy started in December 2002.
 - (b) In the light of CFA's ruling on harbour reclamation under the Protection of the Harbour Ordinance (Cap. 531), the consultancy had been suspended since December 2003 and was terminated in July 2006.
 - (c) The project account has been finalised at the sum of \$6.1 million.

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- PWP item no.: **708CL** (part upgraded from **469CL**)
- Project title: South East Kowloon development – site preparation and drainage works at north apron area of Kai Tak Airport
- Date of upgrading to Category A: February 2004
- Approved project estimate: \$131.6 million
- Project scope: Construction of a twin-cell box culvert of about 600 m long, decommissioning of an existing culvert, demolition of the passenger terminal building and car-parking building at north apron area of Kai Tak Airport.
- Brief account of progress:
- (a) Works contract commenced in April 2004 and was completed in September 2006.
 - (b) The project account has been finalised at the sum of \$131.3 million.

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- PWP item no.: **719CL**
- Project title: Kai Tak development – engineering review
- Date of upgrading to Category A: December 2006

Approved project estimate: \$87.5 million

Project scope: A study to confirm the detailed engineering feasibility of the revised Preliminary Outline Development Plan of Kai Tak development, preliminary preparatory work for the early development of the cruise terminal in Kai Tak.

Brief account of progress:	Consultancy commenced in January 2007 and completed in April 2010. The project account has been finalised at the sum of \$76.4 million.
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PWP item no.: **724CL** (part upgraded from **711CL**)

Project title: Kai Tak development – investigation and detailed design for advance infrastructure works for developments at the southern part of the former runway

Date of upgrading to Category A: December 2006

Approved project estimate: \$38 million

Project scope: Investigation and detailed design for roads, drainage, sewerage, watermains, relocation and reprovisioning of existing radar facilities for the proposed developments at the southern part of the former runway.

Brief account of progress:

- (a) Consultancy commenced in January 2007.
- (b) Design of the decommissioning and decontamination works at the south apron and relocation and reprovision of Marine Vessel Traffic Services radar was completed.
- (c) Design of the stage 1 advance infrastructure works was completed.
- (d) Design of the remaining infrastructure works was completed.

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PWP item no.: **734CL** (part upgraded from **711CL**)

Project title: Kai Tak development – decommissioning and decontamination works at the south apron of the former Kai Tak Airport and installation of supplementary radar at North Point Government Offices (NPGO)

Date of upgrading to Category A: February 2008

Approved project estimate: \$120.1 million

Project scope: Decommissioning and decontamination of about 12 600 square metres of land at the south apron of the former Kai Tak Airport, installation of a supplementary radar at NPGO and associated works.

Brief account of progress: (a) Works contract commenced in May 2008 and was completed in January 2010.

(b) The project account has been finalised at the sum of \$82.5 million.

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PWP item no.: **738CL** (part upgraded from **465CL**)

Project title: Kai Tak development – detailed design and site investigation for Kai Tak Approach Channel and Kwun Tong typhoon shelter improvement works.

Date of upgrading to Category A: May 2009

Approved project estimate: \$50 million

Project scope: Site investigation works, environmental mitigation trial and monitoring, and detailed design for treatment of the contaminated sediments, forming of a 600 m opening at the former runway with a piled deck on the top and associated works.

Brief account of progress: (a) Consultancy commenced in August 2009.

(b) Detailed design of Phase 1 works has been completed.

(c) Design of Phase 2 works (IP Scheme) has been substantially completed.

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PWP item no.: **740CL** (part upgraded from **702CL**)

Project title: Kai Tak development – detailed design and site investigation for remaining infrastructure works for developments at the former runway

Date of upgrading to Category A: May 2009

Approved project estimate: \$32 million

Project scope: Site investigation works and detailed design for a road including a piled deck on the former runway; roads, footbridges, drainage, sewerage and water mains in south apron; and associated works.

Brief account of progress: Consultancy commenced in July 2009. Design of the infrastructure works (except the remaining part) has been completed. Detailed design of the remaining part of infrastructure works is in progress.

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PWP item no.: **739CL** (part upgraded from **469CL**)

Project title: Kai Tak development – stage 1 infrastructure works at north apron area of Kai Tak Airport

Date of upgrading to Category A: May 2009

Approved project estimate: \$566.5 million

Project scope: Construction of about 2.6 km of new roads and other

roadworks within the north apron area; two footbridges, two drainage box culverts, improvement to three existing subways across Prince Edward Road East, drainage, sewerage, water mains and associated works.

Brief account of progress:

(a) Works commenced in July 2009 and were completed in December 2013.

(b) The project account has been finalised at the sum of \$508.5 million.

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PWP item no.:

741CL (part upgraded from **711CL**)

Project title:

Kai Tak development – stage 1 advance infrastructure works for developments at the southern part of the former runway

Date of upgrading to Category A:

May 2009

Approved project estimate:

\$539.6 million

Project scope:

Construction of about 1.8 km carriageway, a fireboat berth cum landing steps, drainage, a sewage pumping station, sewerage, water mains and associated works for developments at the southern part of the former runway.

Brief account of progress:

(a) Works contract commenced in September 2009 and was completed in December 2013.

(b) The project account has been finalised at the sum of \$530.2 million.

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PWP item no.:

841TH (part upgraded from **785TH**)

Project title:

Trunk Road T2 – investigation and design

Date of upgrading to Category A:

June 2009

Approved project

\$133.6 million

estimate:

Project scope: Impact assessments on environment, traffic, marine, heritage and other related aspects; detailed design of the works and associated site investigations and supervision for Trunk Road T2.

Brief account of progress:

- (a) Consultancy commenced in July 2009.
- (b) The environmental impact assessment report was approved in September 2013.
- (c) Detailed design was completed.

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PWP item no.: **45CG**

Project title: District Cooling System at the Kai Tak Development

Date of upgrading to Category A: June 2009

Approved project estimate: \$4,945.5 million (approved by the Finance Committee on 4 January 2019) for Phase I, Phase II and Phase III (Package A, B, C&R) of the project

Project scope: The scope of the project comprises (a) construction of a northern chiller plant; (b) construction of a southern underground chiller plant cum underground seawater pump house and above-ground operational facilities; (c) laying of seawater intake and discharge pipelines; (d) laying of chilled water distribution pipe networks; and (e) provision of connection facilities at user buildings at Kai Tak development.

Brief account of progress:

- (a) Construction for Phase I commenced in February 2011 and was completed in January 2013.
- (b) Construction for Phase II commenced in March 2011 and was completed in September 2014.

- (c) Construction for Phase III (Package A) commenced in July 2013 and was completed in September 2017.
- (d) Construction for Phase III (Package B) commenced in September 2015 and substantially completed in December 2019.
- (e) Construction for Phase III (Package C) commenced in September 2016 and substantially completed in March 2020.
- (f) Construction for remaining works under Phase III (Phase IIIR) commenced in January 2019 for completion by end 2025.

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PWP item no.:	736CL
Project title:	Site formation for Kai Tak cruise terminal development
Date of upgrading to Category A:	November 2009
Approved project estimate:	\$2,303.9 million
Project scope:	Construction of about 1.1 km long seawall, piled structures, marine facilities and structures, and dredging works for Kai Tak Cruise Terminal.
Brief account of progress:	<p>(a) The site formation for Kai Tak cruise terminal development has been completed, with the first berth and the second berth commenced operations in June 2013 and September 2014 respectively. Remaining dredging was also completed in December 2015.</p> <p>(b) The project account was finalised at the sum of \$1,362.7 million.</p>

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PWP item no.:	7GA
Project title:	Cruise terminal building and ancillary facilities for the Kai Tak cruise terminal development
Date of upgrading to Category A:	April 2010
Approved project estimate:	\$5,852.1 million
Project scope:	Development of new cruise terminal facilities at the southern end of the former runway at the Kai Tak development; and provisions of building services to the apron area.
Brief account of progress:	<p>(a) Works contract commenced in May 2010 and was completed in May 2013.</p> <p>(b) The project account has been finalised in March 2019.</p>
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PWP item no.:	745CL (part upgraded from 465CL)
Project title:	Kai Tak development – Kai Tak approach channel and Kwun Tong typhoon shelter improvement works (Phase 1)
Date of upgrading to Category A:	June 2011
Approved project estimate:	\$717.7 million
Project scope:	Bioremediation treatment of the contaminated sediments over an area of about 90 hectares of seabed at KTAC and Kwun Tong typhoon shelter, dredging of seabed at KTAC, and demolition of a disused dolphin and associated improvement works in the vicinity of To Kwa Wan Typhoon Shelter.
Brief account of progress:	<p>(a) Works contract commenced in July 2011 and was completed in July 2014.</p> <p>(b) The project account has been finalised at the sum of \$427.6 million.</p>

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PWP item no.: **746CL** (part upgraded from **469CL**)

Project title: Kai Tak development – stage 2 infrastructure at north apron area of Kai Tak Airport

Date of upgrading to Category A: June 2011

Approved project estimate: \$355.8 million

Project scope: Construction of about 590 m roads, about 2 110 m footpaths, drainage box culverts, sewage pumping station and associated works.

Brief account of progress: (a) Works contract commenced in July 2011 and was substantially completed in June 2015.
(b) Project account finalisation is in progress.

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PWP item no.: **749CL** (part upgraded from **711CL**)

Project title: Kai Tak development – reprovisioning of radar on top of the cruise terminal building

Date of upgrading to Category A: June 2011

Approved project estimate: \$88.4 million

Project scope: Reprovisioning of a radar and associated signal processing and relaying equipment and construction of a radome, a radome base support and associated works.

Brief account of progress: (a) The works contract commenced in August 2011 and was completed in June 2013.
(b) The project account has been finalised at the sum of \$87.7 million.

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PWP item no.:	172BF
Project title:	Construction of fire station-cum-ambulance facility at Cheung Yip Street, Kowloon Bay
Date of upgrading to Category A:	July 2011
Approved project estimate:	\$210 million
Project scope:	Construction of a new six-storey fire station with ambulance facility-cum-an urban search and rescue equipment store in Kowloon Bay.
Brief account of progress:	(a) Works contract commenced in July 2011 and was completed in June 2013. (b) Project account has been finalised in April 2016.

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PWP item no.:	109KA
Project title:	Construction of Trade and Industry Tower in Kai Tak Development Area
Date of upgrading to Category A:	January 2012
Approved project estimate:	\$2,645.1 million
Project scope:	Construction of government offices and ancillary property management facilities providing a net operational floor area (NOFA) of around 32400m ² , and a community hall of about 600 m ² in NOFA.
Brief account of progress:	(a) Works contract commenced in January 2012 and was completed in April 2015. (b) The project account has been finalised in December 2016.

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PWP item no.:	443RO (part upgraded from 425RO)
Project title:	Runway Park at Kai Tak, Kowloon City District – Phase 1
Date of upgrading to Category A:	July 2012
Approved project estimate:	\$169.7 million
Project scope:	Construction of a 270m long waterfront promenade at the runway tip facing Lei Yue Mun and along the waterfront facing Kwun Tong, a large lawn with seating and extensive soft landscape planting, and ancillary facilities.
Brief account of progress:	<p>(a) Works contract commenced in August 2012 and was completed in April 2014.</p> <p>(b) The project account has been finalised in July 2018 at the sum of \$131.9 million.</p>

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PWP item no.:	439RO
Project title:	Kwun Tong promenade (stage 2)
Date of upgrading to Category A:	July 2012
Approved project estimate:	\$250.7 million
Project scope:	Construction of a 750 m long waterfront promenade at the former Kwun Tong Public Cargo Working Area with a boardwalk, and upgrading works for the Kwun Tong promenade (stage 1), including installation of more lighting, close-circuit television and a public address system.
Brief account of progress:	<p>(a) Works contract commenced in February 2013 and was completed in December 2014.</p> <p>(b) The project account has been finalised in March 2019 at the sum of \$208.5 million.</p>

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PWP item no.: **167CD** (part upgraded from **469CL**)

Project title: Kai Tak development – reconstruction and upgrading of Kai Tak Nullah

Date of upgrading to Category A: January 2013

Approved project estimate: \$2,488.2 million

Project scope: Reconstruction and upgrading of Kai Tak Nullah from Prince Edward Road East to KTAC, construction of two enclosed desilting compounds with vehicular access and ancillary works.

Brief account of progress: (a) Works contract commenced in January 2013 and was substantially completed in April 2018.
(b) Project account finalisation is in progress.

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PWP item no.: **76MM**

Project title: Establishment of the Centre of Excellence in Paediatrics (Hong Kong Children's Hospital)

Date of upgrading to Category A: June 2013

Approved project estimate: \$12,985.5 million

Project scope: Establishment of the Centre of Excellence in Paediatrics with 468 beds in the south apron of the Kai Tak development.

Brief account of progress: (a) Works contract commenced in August 2013 and was completed in September 2017.
(b) The project account finalisation is in progress.

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PWP item no.:	761CL (part upgraded from 469CL)
Project title:	Kai Tak development – stages 3A and 4 infrastructure at north apron area of Kai Tak Airport
Date of upgrading to Category A:	June 2013
Approved project estimate:	\$2,255.3 million
Project scope:	<p>Stage 3A – Construction of roads, a vehicular underpass, a pedestrian subway, extension of an existing subway, reconstruction of existing roads, associated drainage, sewerage, water mains, roadworks and other ancillary works.</p> <p>Stage 4 – Construction of roads, reconstruction and widening of existing footpaths, two sewage pumping stations, twin rising mains, associated drainage and sewerage works and other ancillary works.</p>
Brief account of progress:	Works contracts commenced in stages starting from July 2013. Stage 3A Contract was completed in June 2017 whereas Stage 4 works were substantially completed in March 2019.

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PWP item no.:	349EP
Project title:	A 30-classroom primary school at site 1A-3, Kai Tak development, Kowloon
Date of upgrading to Category A:	July 2013
Approved project estimate:	\$312.4 million
Project scope:	Construction of a 30-classroom primary school at site 1A-3, Kai Tak development

Brief account of progress: (a) Works contract commenced in November 2013 and was substantially completed in December 2015.

(b) The project account finalisation is in progress.

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PWP item no.: **350EP**

Project title: A 30-classroom primary school at site 1A-4, Kai Tak development, Kowloon

Date of upgrading to Category A: July 2013

Approved project estimate: \$317.5 million

Project scope: Construction of a 30-classroom primary school at site 1A-4, Kai Tak development

Brief account of progress: (a) Works contract commenced in November 2013 and was substantially completed in December 2015.

(b) The project account finalisation is in progress.

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PWP item no.: **287RS** (part upgraded from **272RS**)

Project title: Kai Tak Multi-purpose Sports Complex – pre-construction works

Date of upgrading to Category A: July 2015

Approved project estimate: \$62.7 million

Project scope: Preparation of technical specifications, cost estimate, tender documents (including information in ground investigation, utility mapping, topographic and tree surveys) and tender assessment for the mainworks

Brief account of progress: The pre-construction works commenced in phases since December 2015 and were completed in December 2018.

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PWP item no.: **711CL**

Project title: Kai Tak development – infrastructure works for developments at the southern part of the former runway

Date of upgrading to Category A: July 2015

Approved project estimate: \$5,757.1 million

Project scope: Construction of roads, an elevated landscaped deck with lifts and staircases, roadside noise barriers, a supporting underground structure as enabling works to facilitate future construction of Trunk Road T2, improvement to three existing road junctions in Kowloon Bay, associated drainage, sewerage, water mains, roadworks, landscaping and other ancillary works.

Brief account of progress: Works contracts commenced in November 2015 and substantially completed in December 2019.

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PWP item no.: **65TR**

Project title: Detailed Feasibility Study for Environmentally Friendly Linkage System (EFLS) for Kowloon East

Date of upgrading to Category A:	July 2015
Approved project estimate:	\$92.3 million
Project scope:	<ul style="list-style-type: none">(a) Evaluation of the most suitable green transport mode(s) for EFLS and formulation of a well-planned integrated multi-modal linkage system to enhance the connectivity of Kowloon East;(b) examination of financial viability and environmental acceptability as well as technical feasibility for EFLS;(c) examination of the impact of the proposed Kwun Tong Transportation Link on the use of the water body at the Kwun Tong Typhoon Shelter and Kai Tak Approach Channel and formulation of mitigation measures;(d) review and examination on the network development for EFLS; and(e) assessment on innovative designs, and arrangements for enhancing attractiveness and cost-effectiveness for EFLS.
Brief account of progress:	<p>The second stage of the detailed feasibility study for EFLS is being conducted, including its network coverage, alignment, station locations, etc. The study will also make reference to the latest development and experiences in the environmentally friendly transportation technology at home and abroad, with the associated technical and financial assessments being carried out concurrently, so as to ascertain the feasibility of the proposed EFLS. Upon completion of the study, the way forward for the proposed EFLS project will be formulated.</p>

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PWP item no.:	797CL (part upgraded from 469CL)
Project title:	Kai Tak development – stages 3B and 5A infrastructure works at former north apron area
Date of upgrading to Category A:	May 2016
Approved project estimate:	\$2,152.8 million
Project scope:	<p>Stage 3B – Construction of roads, an elevated landscaped walkway, a pedestrian subway, demolition of an existing flyover, road modification works, associated drainage, sewerage, watermains, landscaping and other ancillary works.</p> <p>Stage 5A – Construction of roads, a pedestrian subway, associated drainage including box culverts, sewerage, watermains, landscaping and other ancillary works.</p>
Brief account of progress:	Works contracts commenced in stages starting from September 2016 for phased completion from 2020 to 2021.

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PWP item no.:	237LP
Project title:	Kowloon East Regional Headquarters and Operational Base-cum-Ngau Tau Kok Divisional Police Station
Date of upgrading to Category A:	May 2016
Approved project	\$3,186 million

estimate:

Project scope: Demolition of existing vacated Kai Tak Operational Base, construction of an integrated complex and demolition of building and facilities upon commissioning of the integrated complex

Brief account of progress: Construction of the integrated complex commenced in July 2016 and was completed in March 2020.

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PWP item no.: **271ES**

Project title: A 30-classroom secondary school at Site 1A-2, Kai Tak development

Date of upgrading to Category A: June 2016

Approved project estimate: \$446.7 million

Project scope: Construction of a 30-classroom secondary school and ancillary facilities

Brief account of progress: (a) Works contract commenced in December 2016 and was completed in June 2019.

(b) Project account finalisation is in progress.

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PWP item no.: **272RS**

Project title: Kai Tak Sports Park– construction works

Date of upgrading to Category A: June 2017

Approved project estimate: \$31,898 million

Project scope: Design, construction and operation of the Kai Tak Sports Park which occupied a site of around 28 hectares in the north apron of the former Hong Kong International Airport in Kai Tak comprising a multi-purpose Main Stadium, a Public Sports Ground, an Indoor Sports Centre, retail outlets and dining facilities and public open space.

Brief account of progress: Contract awarded in December 2018 and commenced in February 2019 for completion of works in 2023.

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PWP item no.: **92MM** (part upgraded from **87MM**)

Project title: New Acute Hospital (NAH) at Kai Tak Development Area –preparatory works

Date of upgrading to Category A: July 2017

Approved project estimate: \$769.3 million

Project scope: (a) Consultancy services for outline the sketch design and detailed design, as well as preparation of tender documentation and tender assessment for the proposed NAH and the adjoining section of the waterfront promenade; and

(b) site investigations and minor studies (such as preliminary environmental review, tree and topographical surveys, utilities survey and survey for impact assessment studies, etc.).

Brief account of progress: (a) Project has been entrusted to the Hospital Authority (HA). Consultants were engaged by HA in September 2017.

(b) Detailed design of Main Building Works is in progress.

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PWP item no.:	122KA
Project title:	Inland Revenue Tower in Kai Tak Development
Date of upgrading to Category A:	April 2018
Approved project estimate:	\$3,600 million
Project scope:	<ul style="list-style-type: none"> (a) Offices and other support facilities including conference rooms, interview rooms, training rooms, a lecture hall, a departmental library and storage areas; (b) public services counters(e.g. enquiry counters and shroff counters) and waiting areas for the public; (c) a telephone enquiry centre; (d) operational equipment, including system printing rooms, and a room for mail-inserting system and folding machines; (e) a document processing centre for handling incoming mails, business returns and individuals returns, and for scanning documents; (f) a computer data centre (comprising data control rooms, server farm, media library, printer and console areas), data preparation rooms, and network distribution rooms; (g) other miscellaneous facilities including staff lactation rooms, baby care room, pantries, toilet facilities, facilities for the disabled, a security control room, plant rooms, maintenance offices and workshops; and

- (h) a car park with a total of 66 parking spaces at grade including double-deckers located outside the building, for departmental, staff and visitor vehicles.

Brief account of progress:

Works contract commenced in August 2018 for completion in 2022.

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PWP item no.:

436RO

Project title:

Avenue Park at Kai Tak

Date of upgrading to Category A:

May 2018

Approved project estimate:

\$321.9 million

Project scope:

- (a) Thematic gardens;
- (b) a children's play area and a fitness area;
- (c) a basketball court;
- (d) covered walkways to connect the proposed Station Square where the future Kai Tak Station is located; and
- (e) ancillary facilities such as a park management office, toilets and baby care rooms.

Brief account of progress:

Works contract commenced in June 2018 for completion in Q1 2021.

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PWP item no.:

188GK

Project title:

Government Flying Service (GFS) Kai Tak Division

Date of upgrading to Category A:	May 2018
Approved project estimate:	\$469.1 million
Project scope:	<p>(a) Construction of an apron to provide a helicopter take-off/landing pad, two helicopter parking pads and the associated safety/protection areas;</p> <p>(b) construction of an office building to accommodate an Air Command and Control Centre, a Flight Planning Centre and ancillary facilities including offices for GFS's aircrew, engineering and administration staff, a multi-purpose function room for mission planning, briefing, training and meeting, and an aircraft and mission equipment storage area;</p> <p>(c) construction of a hangar to accommodate two helicopters and the associated maintenance equipment;</p> <p>(d) provision of supporting facilities for helicopter operation including radio and communication facilities, navigation, security and surveillance systems, helicopter refueling facilities and firefighting facilities; and</p> <p>(e) associated civil, drainage, sewerage, water supply, building and landscaping works, etc.</p>
Brief account of progress:	Construction works commenced in November 2018 for completion in 2021.
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PWP item no.:	452RO
Project title:	Waterfront promenade adjacent to the Hong Kong Children's Hospital

Date of upgrading to Category A:	May 2018
Approved project estimate:	\$82.2 million
Project scope:	<p>(a) A continuous pedestrian waterfront promenade;</p> <p>(b) landscaped areas with benches, sheltered seating and flowering trees;</p> <p>(c) a children's play area; and</p> <p>(d) ancillary facilities including toilets, a baby care room, etc.</p>
Brief account of progress:	Works contract commenced in November 2018 for completion in Q3 2020.
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PWP item no.:	94MM (part upgraded from 87MM)
Project title:	New Acute Hospital at Kai Tak Development Area—foundation, excavation and lateral support, and basement excavation works
Date of upgrading to Category A:	May 2018
Approved project estimate:	\$5,356.8 million
Project scope:	<p>(a) Foundation works;</p> <p>(b) excavation and lateral support works;</p> <p>(c) basement excavation works;</p> <p>(d) pile cap construction works; and</p> <p>(e) basement slab works.</p>

Brief account of progress:

(a) Project has been entrusted to HA. Consultants were engaged by HA in September 2017 under **92MM**.

(b) Works contract for Foundation, Excavation & Lateral Support, and Basement Excavation Works commenced in September 2018 for completion in 2021.

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PWP item no.: **467RO**

Project title: Station Square at Kai Tak

Date of upgrading to Category A: June 2018

Approved project estimate: \$1,651.5 million

Project scope:

- (a) An open plaza with a landmark feature;
- (b) a Tai Chi plaza;
- (c) two lawn bowling greens;
- (d) a children's play area;
- (e) fitness stations (including fitness equipment for the elderly);
- (f) cycling grounds;
- (g) a cycle track connected to the Kai Tak cycle track network;
- (h) a jogging track;
- (i) a pet garden;
- (j) a large lawn for casual leisure use;

- (k) shaded seating areas;
- (l) soft landscaping and artwork;
- (m) a covered pedestrian passage to facilitate visitors walking between the future Kai Tak Station of Shatin-to-Central Link (SCL) and the Kai Tak Sports Park; and covered pedestrian pathways to facilitate movement between the two public housing estates (i.e. Kai Ching and Tak Long Estates) and the future SCL Kai Tak Station respectively; and
- (n) ancillary facilities including a park management office, toilets, changing rooms, a refuse collection chamber, a service yard, pavilions and store rooms.

Brief account of progress:

- (a) Phase 1 works contract commenced in February 2019 for completion in Q1 2021.
- (b) Phase 2 works contract commenced in September 2019 for completion in Q4 2022.

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PWP item no.:

822CL(part upgraded from **702CL**)

Project title:

Kai Tak development – infrastructure for developments at the former runway and south apron

Date of upgrading to Category A:

November 2018

Approved project estimate:

\$2,874.7 million

Project scope:

- (a) Former runway – Construction of roads, drainage, sewerage, water mains, saltwater pumping station, sewage pumping station, landscaped decks and public open space.
- (b) Former south apron –

Construction of roads, drainage, sewerage, water mains, a landscaped elevated walkway with associated lifts and staircase, landscaping and other ancillary works.

Brief account of progress:

The works have commenced in phases starting from March 2019 for completion by 2023.

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PWP item no.:

458RO

Project title:

Signature Project Scheme (Kwun Tong District) - Construction of Music Fountains at Kwun Tong Promenade

Date of upgrading
to Category A:

November 2018

Approved project
estimate:

\$49.7 million

Project scope:

Construction of Music Fountains with animated lighting and sound effects, interactive fountains with jumping jets and wet play area; and construction of filtration plant room with the provision of ancillary facilities.

Brief account of progress:

Works contract commenced in September 2019 for completion in Q2 2021.

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PWP item no.:

785TH

Project title:

Trunk Road T2 and Cha Kwo Ling Tunnel - Construction

Date of upgrading
to Category A:

October 2019

Approved project
estimate:

\$16.017.0 million

Project scope: Construction of Trunk Road T2 and Cha Kwo Ling (CKL) Tunnel connecting with Central Kowloon Route (CKR) and Tseung Kwan O-Lam Tin Tunnel (TKO-LTT) to from Route 6 as an east-west express link between West Kowloon and Tseung Kwan O.

Brief account of progress: Works contract commenced in November 2019 for completion in Q1 2026.

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