



中華人民共和國香港特別行政區政府總部食物及衛生局
Food and Health Bureau, Government Secretariat
The Government of the Hong Kong Special Administrative Region
The People's Republic of China

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8 June 2020

(English translation)

Clerk to PWSC
(Attn.: Ms Doris LO)
Public Works Subcommittee
Legislative Council Complex
1 Legislative Council Road
Central, Hong Kong

Dear Ms Lo,

**Legislative Council Public Works Subcommittee
Follow-up to the meetings on 27 May 2020 and 1 June 2020**

During the discussion of the four projects under the first Ten-year Hospital Development Plan (HDP) at the meetings of the Legislative Council Public Works Subcommittee held on 27 May 2020 and 1 June 2020 (LC Paper No. PWSC(2020-21)3), Members requested the Administration to provide supplementary information on the projects of “Expansion of United Christian Hospital” and “Hospital Authority Supporting Services Centre”. Having consulted the Hospital Authority (HA) and the Architectural Services Department (ArchSD), our reply is as follows:

(1) Expansion of United Christian Hospital (UCH)

(a) Provision of pedestrian connection facilities for UCH (including the location of connection and the planned construction timetable)

2. Regarding the arrangements for the provision of pedestrian connection facilities for UCH, HA has reserved funding in the expansion project for the proposed construction of pedestrian linkage to neighbouring site within the hospital boundary, including construction of a new entrance and lift tower/elevated walkway at the northern side of UCH for connecting to the existing footpath of Sau Mau Ping Road, and construction of a barrier-free ramp access next to the existing Block L to link with the pedestrian path beside Hiu Lai Court. For other pedestrian connectivity proposals, including construction of pedestrian connection facilities/lift tower at the north-eastern side of UCH, we are actively studying the technical feasibility of the proposal with relevant departments.

(b) Arrangement for hospital services during the proposed expansion works

3. The relevant decanting arrangement for the services affected by the expansion works for UCH was completed in earlier years. Before demolition of Blocks F, G, H and P (lower portion) in 2015, the facilities and services of these buildings were decanted to other buildings, including other existing buildings and the newly built temporary decanting building (i.e. Block Q) in UCH, and the temporary decanting building in Tseung Kwan O Hospital (TKOH) (see **Annex 1**). The back office services such as Procurement Unit, Human Resources Department and Finance Department, etc. were relocated to the temporary decanting building in TKOH while Family Medicine and Health Care Department, Diabetes Ambulatory Care Centre, Dietetics Department, Speech Therapy Department, Community Involvement and Volunteer Services Department/Health Resources Centre/Cancer Patient Resources Centre and HA Staff Clinic were decanted to Block Q. Facilities for clinical services have continued to remain in UCH to provide services to the public. During the proposed superstructure and refurbishment works, there is no need for service decanting to other hospitals or buildings.

4. In addition, in order to rationalise the Ear, Nose and Throat (ENT) service of Kowloon East Cluster and to facilitate the decanting arrangement, the ENT Specialist Outpatient Clinic (SOPC) was relocated to TKOH in September 2013 while UCH continues to provide the ENT inpatient service. The Kwun Tong District Council (KTDC) was consulted on the decanting project for the expansion of UCH on 6 November 2012 and a visit to the SOPCs of UCH and TKOH was arranged for KTDC Members on 14 November. KTDC Members generally supported the decanting arrangement of ENT service.

(c) Oncology service and additional major medical equipment under the expansion project

5. At present, cancer patients are referred to Queen Elizabeth Hospital for radiotherapy or inpatient treatment according to their clinical needs. There will be a new oncology centre in UCH upon completion of the expansion project. In order to provide more comprehensive diagnostic and treatment services to cancer patients, additional major medical equipment at **Annex 2** will be provided in UCH.

(d) Impact of the glass of curtain walls of the ambulatory block to the neighbouring residents in Shun Tin Estate

6. The façade materials of the ambulatory block of UCH are mainly composed of curtain wall glass and unglazed homogenous ceramic external wall tiles. The project specifications require low-reflectivity glass for curtain walls, with the light reflectance limited to 20%, which complies with the relevant Practice Notes of the Buildings Department. According to the study by HA, the glare reflected by the curtain wall glass will not pose any nuisance to the neighbouring residents. Reasons include:

- (1) Solar path: Hong Kong is located in the northern hemisphere. According to the seasonal solar path, the sunshine is mainly in the south. The sunshine coverage in the north is relatively less, with occurrence time only in the early morning and in the afternoon around sunset in summer. The reflection of curtain wall glass will not pose any nuisance to the residents in Shun Tin Estate in the north (see **Annex 3**); and
- (2) Geographical context: The reflective effect of the curtain walls depends on the sunshine direction and plane of reflection. The main façade of the ambulatory block is facing the east and the west, and the façade area facing Shun Tin Estate in the north is relatively small. Taking account of the relevant geographical context, with the existing Block P to the east of the ambulatory block, the playground in the south and the natural hillside in the west, the curtain wall glass will not pose any nuisance to the neighbouring residents.

(e) Provision of support for sexual violence victims

7. To provide support for sexual violence victims, the Social Welfare Department (SWD) has launched a “one-stop” service model for handling

sexual violence cases since 2007. Dedicated social workers will provide 24-hour outreach service to co-ordinate and arrange continuous support and follow-up services (such as emotional counselling, medical care services, forensic examination and statement-taking) according to the wishes and needs of the victims, so as to provide services to the victims in a convenient, safe, private and supportive environment with a view to minimising the necessity for the victims to repeat accounts of their unpleasant experience.

8. HA has arranged one designated room and one back-up room in each of the 18 public hospitals providing Accident and Emergency (A&E) services throughout the territory to facilitate sexual violence victims attending the A&E departments to receive “one-stop” services in hospital areas according to their needs, which avoids burdening the victims with the need to travel. The designated room and back-up room in UCH have doors and are sound-proof so as to protect patients’ privacy. The designated room is also equipped with a hospital bed for gynaecological examination. HA, SWD and other relevant government departments will regularly review the designated rooms in the 18 public hospitals to ensure that the victims can receive services under a convenient, safe and private environment. In parallel, HA will continue to actively study the provision and enhancement of the designated rooms or facilities in newly built or renovated hospitals (including UCH) for the need of the sexual violence victims.

(2) Hospital Authority Supporting Services Centre (HASSC)

(a) Considerations and risk assessment for the setting up of a central food production unit and a central laundry centre

9. HA has been prudent in planning the service network of business supporting services (such as food production and laundries). Relevant considerations include the efficiency of different modes of services and risk management. HA will conduct risk assessment for sustainability of service such that provision of particular service will not be centralised at a single location. Service will also be delivered through different modes of operation, such as HA in-house operation, as well as operation by contractors and commercial contractors, to ensure that the service network shall be resilient enough to provide mutual support and back-up to maintain the continuity of supporting services (such as day-to-day meal and clothing and linen supplies to patients) in case of emergency situations.

(b) HA hospitals to be provided with meals supplied by the proposed central food production unit

10. Upon commissioning, the proposed central food production unit will provide meal service to various hospitals, including Pamela Youde Nethersole Eastern Hospital, Ruttonjee and Tang Shiu Kin Hospital, Tung Wah Eastern Hospital, Wong Chuk Hang Hospital, Chung Hom Kok Cheshire Home, UCH, TKOH, Haven of Hope Hospital, The Duchess of Kent Children's Hospital at Sandy Bay, Tung Wah Group of Hospitals Fung Yiu King Hospital and MacLehose Medical Rehabilitation Centre, as well as to meet the service demand generated by hospital projects under the first Ten-year HDP.

(c) Laundries under HA hospitals, and percentages of delivery of laundry service through HA in-house operated laundries/HA laundries operated by contractors/laundries operated by the Correctional Services Department (CSD)/laundries operated by other commercial contractors

11. HA needs to handle laundry service of around 45 000 000 kg per year (including laundry service provided for various clinics and health centres of the Department of Health). Laundry service is provided through four modes of delivery and the percentages of work by each mode are: (i) HA in-house operated laundries (58%); (ii) HA laundries operated by contractors (8%); (iii) laundries operated by CSD (11%); and (iv) commercial contractors (23%). The ten laundries currently providing laundry service to HA (i.e. (i) to (iii)) are listed in the table below:

Hospital/organisation	Laundry under purview
<i>(i) HA in-house operated laundries (58%)</i>	
Pamela Youde Nethersole Eastern Hospital	Chai Wan Laundry
Tuen Mun Hospital	Tuen Mun Hospital Laundry
	Butterfly Beach Laundry
Caritas Medical Centre	Caritas Medical Centre Laundry
UCH	UCH Laundry
Queen Mary Hospital	Shum Wan Laundry
<i>(ii) HA laundries operated by contractors (8%)</i>	
Alice Ho Miu Ling Nethersole Hospital	Alice Ho Miu Ling Nethersole Hospital Laundry
Ruttonjee Hospital	Ruttonjee Hospital Laundry
<i>(iii) Laundries operated by CSD (11%)</i>	
Pik Uk Prison of CSD	Pik Uk Laundry

Pak Sha Wan Correctional Institution of CSD	Pak Sha Wan Laundry
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(d) Hospital area to be released for clinical services upon commissioning of the proposed central laundry centre and relocation of existing laundries from various hospitals to the central laundry centre

12. Upon relocation of existing hospital laundries to HASSC, hospital space can be released for clinical and related services. The hospitals concerned include Pamela Youde Nethersole Eastern Hospital, UCH, Tuen Mun Hospital and Ruttonjee Hospital. The approximate area to be released is listed in the table below:

Hospital	Laundry	Area (m ²)
Pamela Youde Nethersole Eastern Hospital	Chai Wan Laundry	3 725
UCH	UCH Laundry	800
Tuen Mun Hospital	Tuen Mun Hospital Laundry	4 632
Ruttonjee Hospital	Ruttonjee Hospital Laundry	500
Total		9 657

(e) Furniture and equipment (F&E) items with unit cost below \$1 million to be procured for the proposed HASSC and the required total cost

13. The estimated total cost of F&E for the proposed HASSC is about \$1,062.9 million in September 2019 prices. An indicative list of major F&E items (with unit cost of \$1 million or above) for the project is at Annex 4 to Enclosure 4 of LC Paper No. PWSC(2020-21)3, with an estimated total cost of about \$743.9 million in September 2019 prices. As for F&E items with unit cost below \$1 million, the estimated total cost is about \$319 million, major items of which include:

Indicative list of major F&E items (unit cost below \$1 million)			
Item Description	Quantity	Unit Cost (HK\$)	Total Cost (HK\$)
Laundry F&E			
Tumble Dryer	69	870,000	60,030,000
Conveyor	24	600,000	14,400,000
Folder	18	800,000	14,400,000

Indicative list of major F&E items (unit cost below \$1 million)			
Item Description	Quantity	Unit Cost (HK\$)	Total Cost (HK\$)
Central Food Production Unit F&E			
Mobile Robot	8	589,000	4,712,000
Pump Fill Station	7	659,000	4,613,000
Conveyor for Tumble Chiller	7	598,000	4,186,000
Retherm Trolley	14	230,000	3,220,000
Combi Steamer, 180 kg	10	251,000	2,510,000
Combi Steamer, 120 kg	8	229,000	1,832,000
Electrolysed Water System	2	883,000	1,766,000
Turbowash	2	883,000	1,766,000
Vacuum Filling Machine with Lifter	2	840,990	1,681,980
Corporate Data Centre F&E			
Smart Rack	500	30,000	15,000,000
Cold/Hot Aisle Containment	500	21,500	10,750,000
Intelligent Power Distribution Unit	1 000	8,000	8,000,000
Intelligent Structured Cabling System	1 200	5,700	6,840,000
Batteries and Battery monitoring system	100	60,000	6,000,000
250kVA Uninterruptible Power Supply System	20	300,000	6,000,000
Network Cable	57 600	100	5,760,000
In-row Cooling System	30	160,000	4,800,000
250-350kVA Isolation Transformer	20	150,000	3,000,000
Automatic Transfer Switch	500	3,000	1,500,000
Subtotal :			182,766,980

Indicative list of major F&E items (unit cost below \$1 million)	
Item Description	Total Cost (HK\$)
Other Categories (approximate figures)	
Laundry Equipment	50,000,000
Catering Equipment	26,000,000
Food Production Tools and Utensils	22,000,000
Facility Management and Building Maintenance Equipment	20,000,000
Store and Transportation Equipment	14,000,000
Information Technology Equipment	4,000,000
Subtotal :	136,000,000
Grand Total :	318,766,980

Yours sincerely,

[Chinese version signed]

(Ms Elaine YIP)
for Secretary for Food and Health

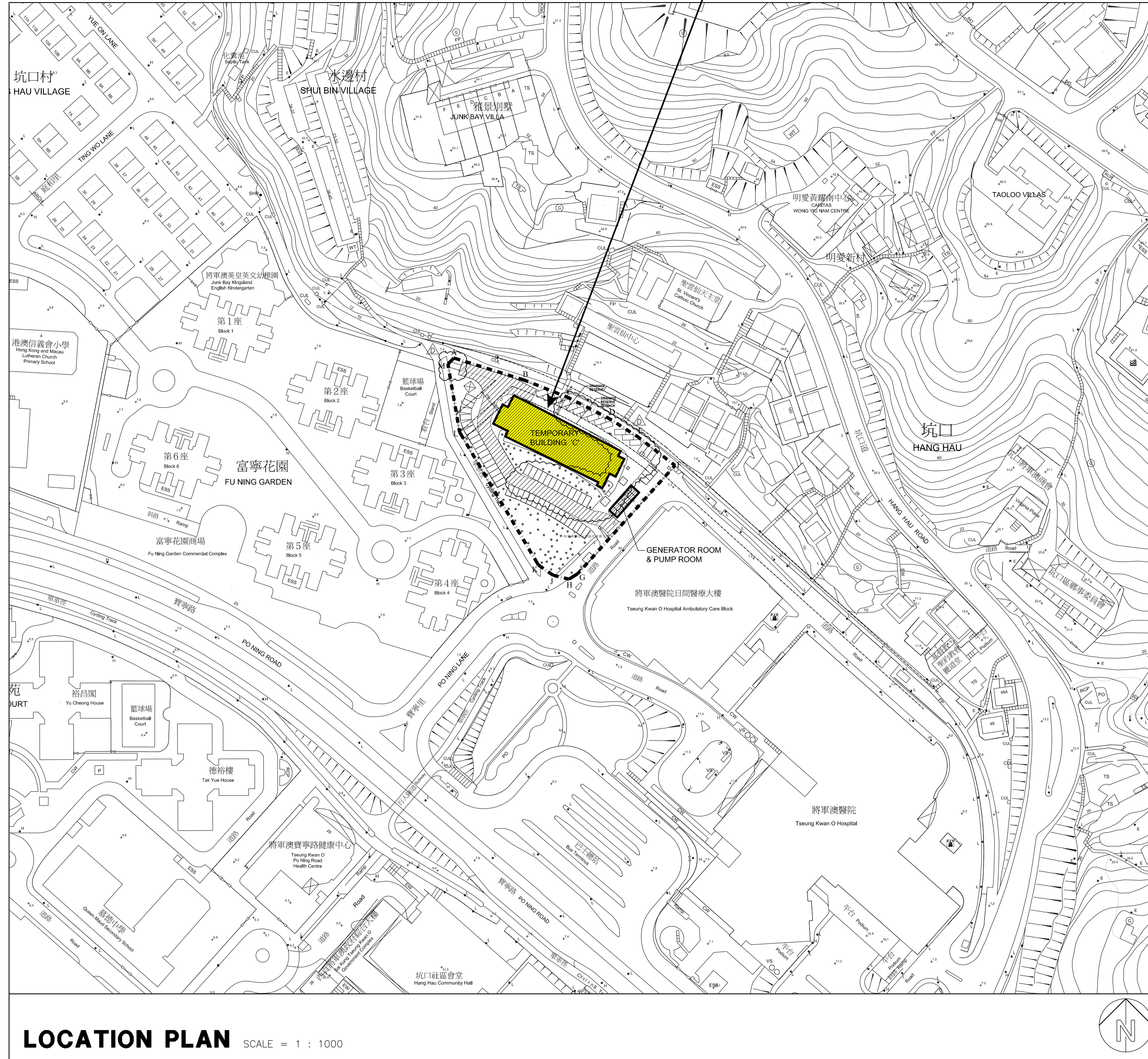
Encl. (Annexes 1 to 3)

c.c. Secretary for Financial Services and the Treasury
(Attn.: Mr CHIU Kwong-kin, Assistant Secretary for Financial
Services and the Treasury (Treasury) (Works)2)
(Fax: 2147 5240)

Chief Executive, Hospital Authority
(Attn.: Ms Dorothy LAM, Manager (Boards & Support))
(Fax: 2895 0937)

Director of Architectural Services
(Attn.: Mr Michael LI, Project Director/2)
(Fax: 2523 4693)

Temporary Decanting Building in Tseung Kwan O Hospital 將軍澳醫院內的臨時調遷大樓



REVISIONS		
NUMBER	DESCRIPTION	DATE
A	GENERAL REVISION	20 MAY 13
B	GENERAL REVISION	05 JUL 13
C	GENERAL REVISION	29 JUL 13
D	ISSUED FOR TENDER	30 AUG 13
D	ISSUED FOR TENDER ADDENDUM	12 SEP 13
D	ISSUED FOR A.I. NO. 1	27 NOV 13

LEGEND :
 HATCH AREA INDICATED TEMPORARY BUILDING BLOCK 'C'
 LOT BOUNDARY LINE

FOR CONSTRUCTION
A. I. NO. 1
DATE : 27 NOV. 13

醫院管理局 HOSPITAL AUTHORITY
基督教聯合醫院 UNITED CHRISTIAN HOSPITAL

PROJECT MANAGER
AECOM

ARCHITECT
王歐陽(香港)有限公司 ARCHITECTS WONG & OUYANG (HK) LTD

BUILDING SERVICES ENGINEER
PARSONS BRINCKERHOFF

STRUCTURAL, CIVIL & GEOTECHNICAL ENGINEER
MEINHARDT
 Meinhardt (C&S) Ltd. Consulting Engineers

QUANTITY SURVEYOR
sweett

PROJECT
 DECANTING WORKS CONTRACT FOR EXPANSION OF UNITED CHRISTIAN HOSPITAL

DRAWING TITLE
 TEMPORARY BUILDING 'C' LOCATION PLAN
 (SHEET 1 OF 4)

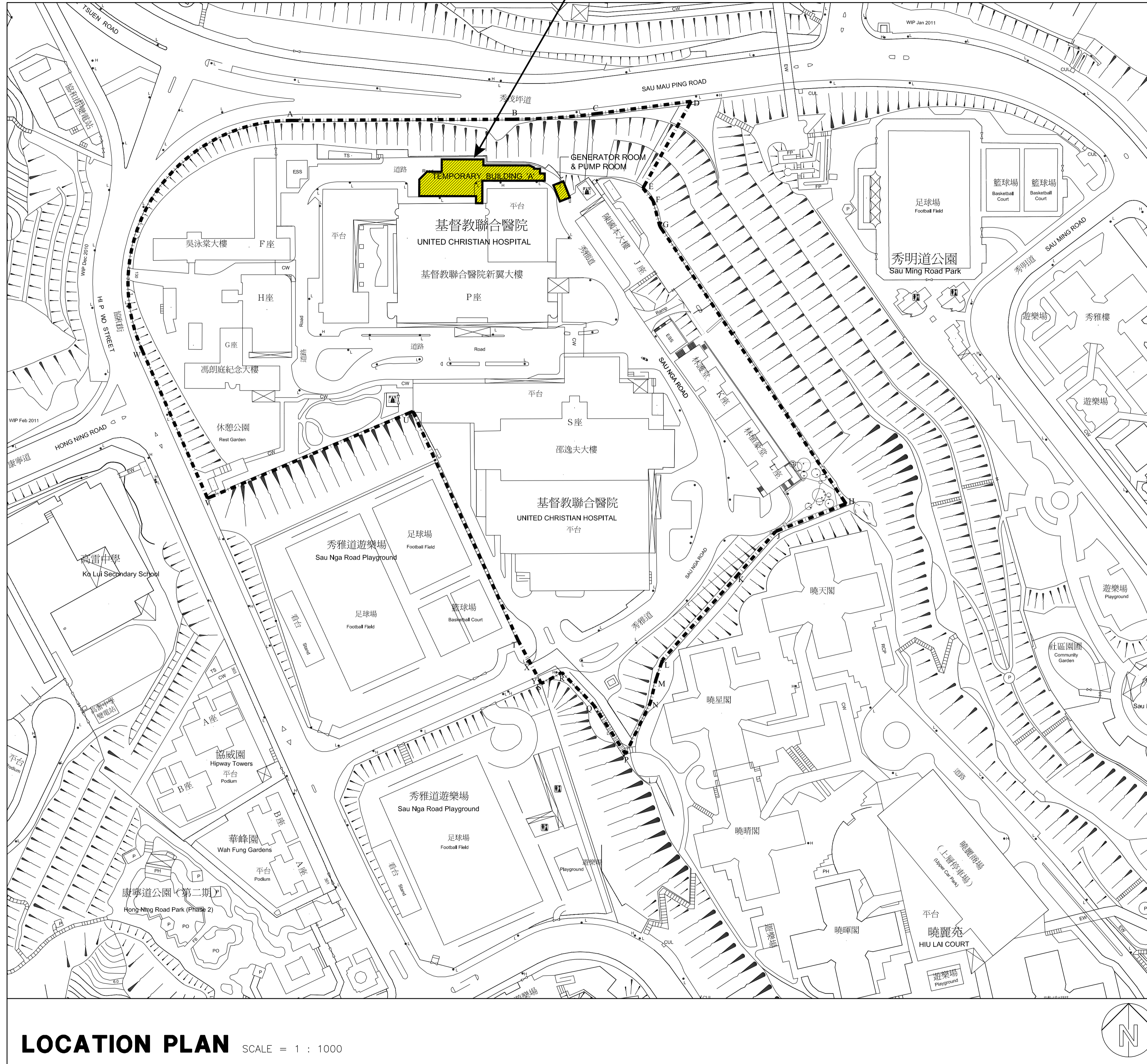
SIGNATURE FOR SUBMISSION/CONSTRUCTION

DRAWN BY **FKB** DATE **27/11/13**
 ENTERED BY **KHK** DATE **27/11/13**
 CHECKED BY **SU / NAM** DATE **27/11/13**

SCALE **AS SHOWN (A1)** PRINT DATE
 JOB NUMBER **2195** DRAWING NUMBER **8005MA/AR/TC/00/LI/0001** REVISION **D**

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Temporary Decanting Building in United Christian Hospital 基督教聯合醫院內的臨時調遷大樓



LOCATION PLAN SCALE = 1 : 1000

B.L.D. REF

F.S.D. REF

REVISIONS

NUMBER	DESCRIPTION	DATE
A	GENERAL REVISION	05 JUL. 13
A	ISSUED FOR TENDER	30 AUG. 13
A	ISSUED FOR A.I. NO. 1	27 NOV. 13

LEGEND :

- HATCH AREA INDICATED TEMPORARY BUILDING BLOCK 'A'
- LOT BOUNDARY LINE

FOR CONSTRUCTION

A. I. NO. 1

DATE : 27 NOV. 13

醫院管理局
HOSPITAL AUTHORITY

基督教聯合醫院
UNITED CHRISTIAN HOSPITAL

PROJECT MANAGER
AECOM

ARCHITECT
 王歐陽(香港)有限公司
ARCHITECTS WONG & OUYANG (HK) LTD

BUILDING SERVICES ENGINEER
 PARSONS BRINCKERHOFF

STRUCTURAL, CIVIL & GEOTECHNICAL ENGINEER
 MEINHARDT
Meinhardt (C&S) Ltd. Consulting Engineers

QUANTITY SURVEYOR
 sweett

PROJECT
DECANTING WORKS
CONTRACT FOR
EXPANSION OF UNITED
CHRISTIAN HOSPITAL

DRAWING TITLE
TEMPORARY BUILDING 'A'
LOCATION PLAN

(SHEET 1 OF 5)

SIGNATURE FOR SUBMISSION/CONSTRUCTION

DATE
DRAWN BY FKB DATE 27/11/13
ENTERED BY KHK DATE 27/11/13
CHECKED BY SU / NAM DATE 27/11/13

SCALE AS SHOWN (A1) PRINT DATE
JOB NUMBER DRAWING NUMBER REVISION
2195 8005M/AR/TA/00/0001 A

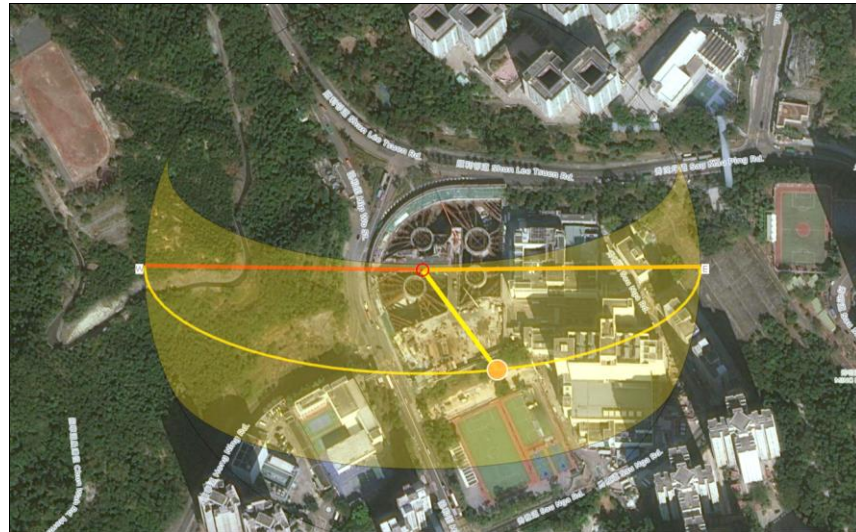
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**Major furniture and equipment items
related to cancer diagnostic and treatment services to be procured
after the expansion of United Christian Hospital**

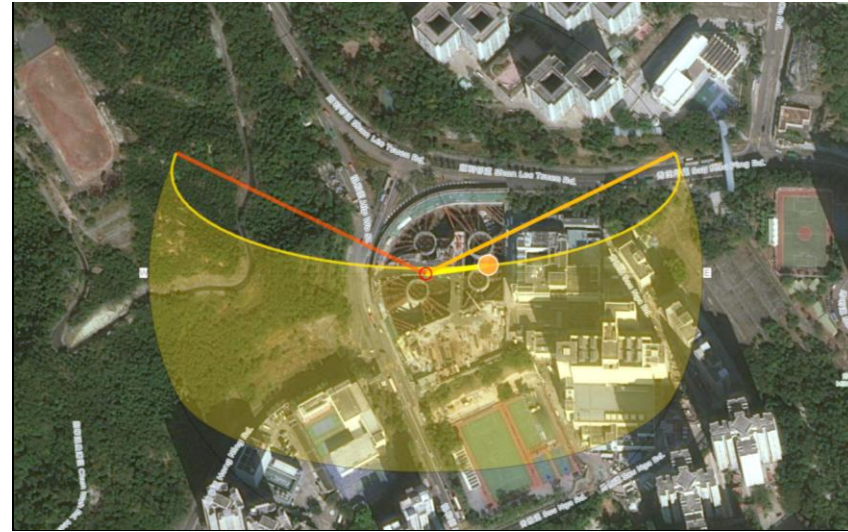
Item Description	Quantity	Unit Cost (\$ million)	Total Cost (\$ million)
Biopsy System, Prone Table, Mammographic	1	3.5	3.5
Information System, Data Management, Oncology Treatment Planning	1	22.1	22.1
Linear Accelerator, Dual Energy	1	25.5	25.5
Linear Accelerator, Dual Energy with Stereotactic Radiosurgery Capability	1	33.6	33.6
Linear Accelerator, Single Energy	2	19.0	38.0
Linear Accelerator, Tomotherapy	1	34.4	34.4
Magnetic Resonance Imaging (MRI) Simulation Package	1	7.5	7.5
Quality Assurance System, 3D, Oncology Treatment Planning	2	1.2	2.4
Radiographic Equipment, Angiography	2	24.0	48.0
Radiographic Equipment, C-Arm	1	7.0	7.0
Radiographic Equipment, Ceiling- mounted, Accident & Emergency Department, Trauma	2	1.1	2.2
Radiographic Equipment, Fluoroscopic	1	4.5	4.5

Item Description	Quantity	Unit Cost (\$ million)	Total Cost (\$ million)
Radiographic Equipment, Mammographic	1	5.5	5.5
Radiographic Equipment, O-Arm, Spine	1	5.6	5.6
Radiographic Equipment, Single Photon Emission Computed Tomography/Computed Tomography	2	8.5	17.0
Radiographic Scanning System, Computed Tomography, Spiral	1	20.0	20.0
Radiographic System, Digital	4	1.6	6.4
Scanning System, MRI, Full Body	1	25.0	25.0
Simulator, Computed Tomography	2	14.1	28.2
Thermoluminescent Dosimeter System	1	1.2	1.2
Water Tank Beam Data Acquisition System	1	1.6	1.6

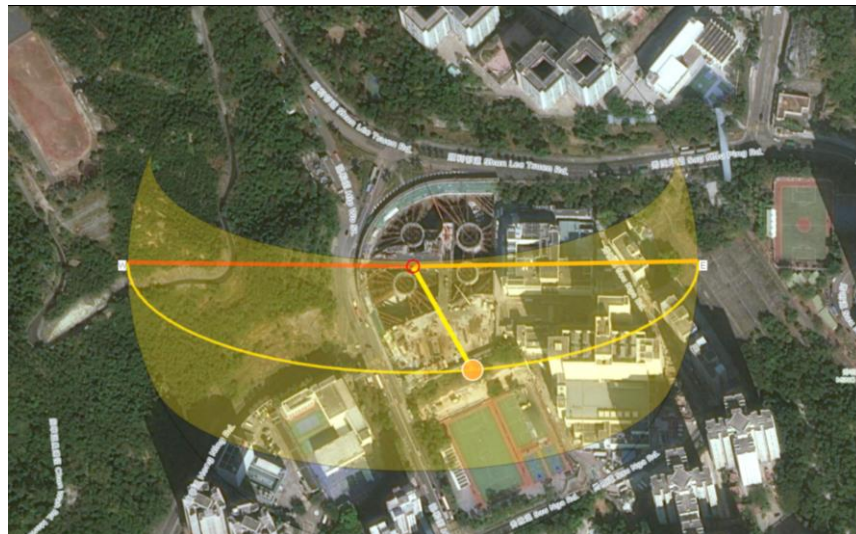
太陽路徑分析 Solar Path Analysis



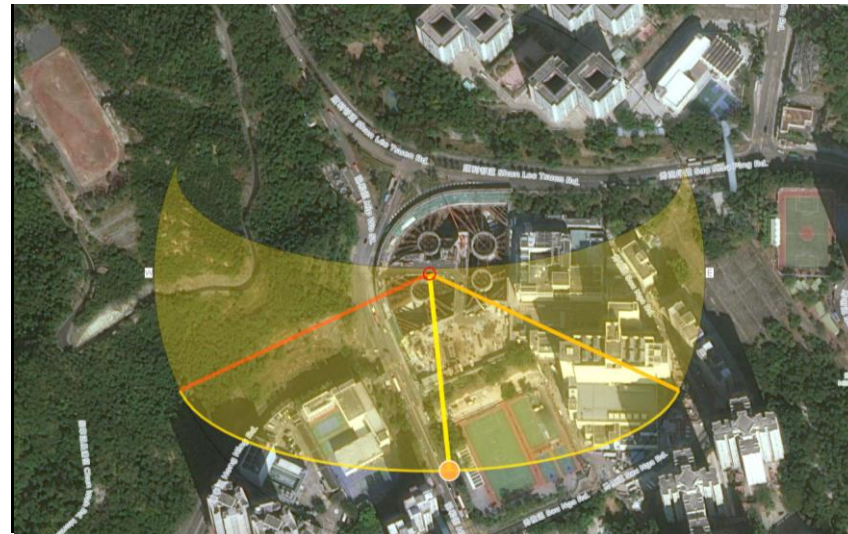
春分 (三月) Spring Equinox (March)



夏至 (六月) Summer Solstice (June)



秋分 (九月) Autumn Equinox (September)



冬至 (十二月) Winter Solstice (December)

香港 Hong Kong

緯度 Latitude 22°18'N

經度 Longitude 114°10'E