

Tung Chung Municipal Services Building

39 Man Tung Road, Tung Chung, Lantau



Located at Tung Chung New Town, the project provided an indoor recreation centre cum library, community hall, office accommodation for FEHD and a residential care home for the elderly (RCHE).

The building complex aims to echo the modern new town image of Tung Chung. The entrance plaza is designed with generous provision of circulation space to deliver an impressive sense of arrival for the public. The major functions of the indoor recreation centre, community hall, library and RCHE are four discrete architectural forms planned around the central circulation zone and landscape areas. The complex aims to create an urban oasis for Tung Chung residents with design of gardens at roof areas accessible and enjoyed by the public.

Fast Fact

gross floor area	Approx 14,390 sq m
site area	Approx 9,600 sq m
no of storeys	6 storeys
completion	October 2009
project cost	HK\$429.7 million



Project scope

- An indoor recreation centre with multi-purpose arena, multi-purpose activity rooms and other ancillary facilities including carparking spaces.
- A District Library with an adult library, a children's library, a quick reference section, a newspapers and periodicals section, a multi-media library, a computer and information centre, an exhibition/display area, an extension activities room, a students' study room, office and other supporting facilities including carparking spaces.
- A Community Hall with a multi-purpose hall and stage (seating capacity of 450 persons), meeting room, dressing rooms, conference room and ancillary facilities including car parking spaces.
- A Residential Care Home for the Elderly (about 150 residential care places) for Social Welfare Department.
- Office accommodation for the Hawker Control Team and Pest Control Section of Food and Environmental Hygiene Department.

client

Leisure and Cultural Services Department, HKSAR Government
Food and Environmental Hygiene Department, HKSAR Government
Social Welfare Department, HKSAR Government
Home Affairs Department, HKSAR Government

project manager

Architectural Services Department, HKSAR Government

design and build contractor

Shui On Construction Company Ltd

architect

P&T Architects and Engineers Ltd

building services engineer

P&T (M&E) Ltd

structural engineer

P&T Architects and Engineers Ltd

quantity surveyor

Davis Langdon & Seah Hong Kong Ltd

landscape architect

Kenneth Ng & Associates Ltd



Key environmental features



- Solar hot water heating system for IRC
- Photovoltaic panels on roof
- Roof garden



Primary School in Sham Tseng

Tsuen Wan

Fast Fact

gross floor area	Approx 11,434 sq m
site area	Approx 6,200 sq m
no of storeys	6 storeys
completion	May 2009
project cost	HK\$106.8 million



The project comprises the construction of a 6-storey 24-classroom school building consisting of a classroom block and an assembly hall block overall T-shaped on plan together with associated facilities.

The building consists of 24 classrooms, 5 special rooms, 4 small group teaching rooms, a guidance activity room, 2 interview rooms, a staff common room, a staff room, a conference room, a student activity center, a library, an assembly hall, 2 multi-purpose areas and ancillary facilities.

The master layout plan indicates four distinct zones: the building area, the vehicular parking and roads, the ball court area, and the soft landscape area. The ground floor plan is divided into the administration area, student activity center, the covered playground and the utilities area.

The building arrangement allows optimal east-west orientation of both teaching block and special room with open playground shaded from afternoon sunlight and shield from chilling winter wind. The typical classrooms on the western wing can also capture best seaview to the south.

Greening is provided on ground floor open yard, roof garden on the 4/F of the hall block, and planters on various floors to provide a green and healthy environment with a unique and memorable identity for the benefit of the well being of the students. It includes green pocket corners and outdoor landscaping areas to give a variety of spaces of different characters for different functions and activities to enable students to develop an interest in horticulture and natural environment.



client
Education Bureau, HKSAR Government

project manager
Architectural Services Department, HKSAR Government

architect
P&T Architects and Engineers Ltd

structural engineer
WSP Hong Kong Ltd

building services engineer
J Roger Preston Ltd

quantity surveyor
TLS & Associates Ltd

Landscape Architect
Team 73 HK Ltd

Main Contractor
Hung Wan Construction Co Ltd



Tuen Mun Hospital Rehabilitation Block

Tsing Chung Koon Road, Tuen Mun

Fast Fact

gross floor area	Approx 58,000 sq m
site area	Approx 10,760 sq m
no of storeys	13 storeys
completion	June 2007
project cost	Approx HK\$738 million

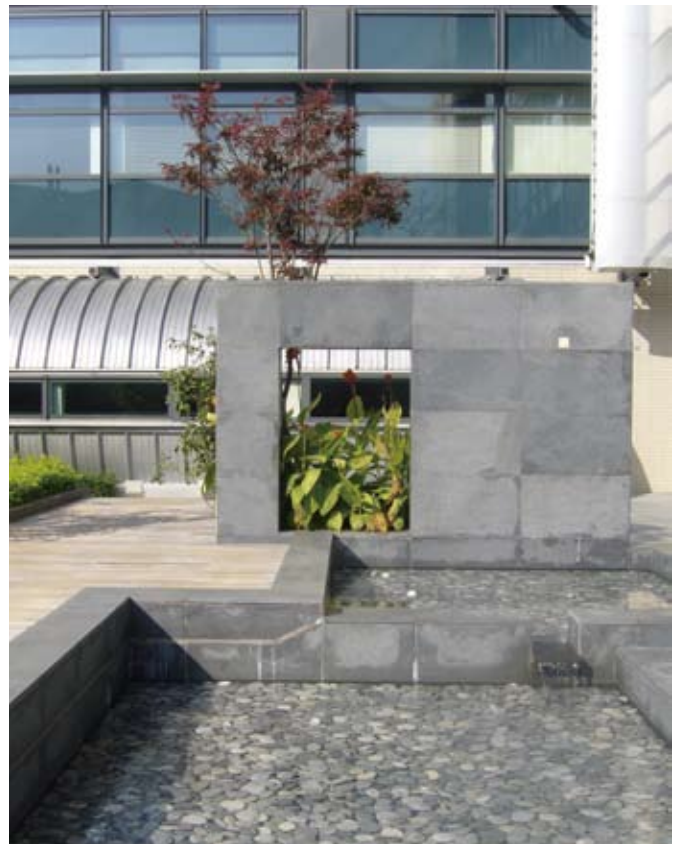




The rehabilitation block is a mixed use 'healthcare' building, offering comprehensive rehabilitation facilities to the public. It provides in-patient facility of 512 numbers of patients' beds, with supporting rehabilitation facilities, such as a day rehabilitation centre, physiotherapy, occupational therapy, prosthesis and orthotic, speech therapy, radiology department, walk-in counselling centre, mortuary and pharmacy departments.

The design of the Rehabilitation Block manifested a contemporary and innovative approach to hospital design.

Due to the complex requirements of the project, the facilities are arranged in the 13-storey high block. A series of shared gardens and public open space are created to form a buffer zone between the busy Tsing Lun Road and the Rehabilitation Block. The gardens also provides the clinical facilities of integrated rehabilitation training for the patients, such as Tai Chi court, bowling





green, exercise ramps, walking tracks and climbing bars.

The building is served by a central core, a five-storey atrium under a glazed roof allows natural light to penetrate central core of the upper ward floors, while the landscaped spaces around the atrium provide areas for patients to exercise, to show artwork, to relax in a community space. Another artificially lit atrium breaks open the core from the second through to the fifth floor.

Besides the landscaped atrium, the various clinical spaces inside the hospital have integrated landscaping throughout the facility. Some are internal, such as the art exhibition space on the second floor and the internal glazed courtyards on the staff accommodation floors. Others are external – large podium gardens extend from the second, fourth and fifth floors to give patients access to the outside for activities and relaxation.

The hospital also considers that a healthy



and pleasant working environment is an important asset, therefore a small staff gymnasium and Oasis, which is a centre for staff stress management, are incorporated on the 12/F and 13/F, together with staff canteen, cafe, overnight rooms and call rooms facilities.

client
Hospital Authority

project manager
Architectural Services Department, HKSAR Government

architect
Architectural Services Department, HKSAR Government

building services engineer/structural engineer/
quantity surveyor/landscape architect
Architectural Services Department, HKSAR Government

main contractor
Shui On Construction Co Ltd

Kennedy Town Community Complex

12 Rock Hill Street, Kennedy Town



Kennedy Town Community Complex is situated at Rock Hill Street and is adjacent to Kennedy Town Public Swimming Pool and Smithfield UC Complex. The site has a narrow street frontage with a non-building zone along its periphery stipulated for maintaining adequate separation from the neighbouring retaining wall. With only one narrow side abutting the street, the G/F layout is compactly designed to accommodate the pedestrian and car park entrances for different functions.

Through judicious planning of the setback of the existing retaining wall of the adjacent swimming pool, the non-building zone is designed as a landscaped area for accommodating compensatory trees, and as the means of escape route as well as ventilation space for the mechanical and electrical plant rooms.

Due to limited street frontage, Kennedy Town Community Complex shares the vehicular access ramp of the Smithfield UC Complex for access to the loading/unloading area, such that the street frontage of the post office and the main entrance can be maximised.

The vehicular entrance to the multi-storey car park at 3/F to 9/F is located adjacent to the post office. The car park is served by a pair of one-way scissor-ramps to maximise car-parking spaces within a small floor plate as constrained by the narrow site.

Through strategic planning of public offices and car park on the lower floors, the private offices are accommodated on the upper floors. By a strategic zoning of lifts, security control is maintained while still allowing restricted access to various sections of the building for respective users.

In harmony with the adjacent UC Complex and surrounding buildings, Kennedy Town Community Complex adopts a warm colour scheme. Unitized curtain wall and cladding panels are used as the main building enclosure components.

Fast Fact

gross floor area	Approx 16,550 sq m
site area	Approx 1,857 sq m
no of storeys	15 storeys
completion	May 2006
project cost	HK\$245.3 million

Environmental features

Various environmental related concepts and measures were introduced to the project. Addressing the building's orientation and its adjacent environment, the sustainable planning incorporated the following elements:

- Reducing the solar heat induced by the afternoon sun through minimizing the openings to the exposed west-facing facade
- Through a setback of the main building block from the Rock Hill Street to create a landscaped plaza to allow more natural daylight into the narrow street and to minimize disturbance to the adjoining streetscape, residential buildings and public swimming pools
- By providing internal courtyards on 13/F (approx 120 sq m) and 14/F (approx 150 sq m), natural daylight penetration to the interior of the building is maximized. It also provides a green and environmentally friendly design.



client
Home Affairs Department, HKSAR Government

project manager
Architectural Services Department, HKSAR Government

design & build contractor
Yau Lee Construction Co Ltd

architectural designer
Simon Kwan & Associates Ltd

building services designer
Parsons Brinckerhoff (Asia) Ltd

structural designer
Babtie Asia Ltd

quantity surveyor
KPK Quantity Surveyors (HK) Ltd

landscape designer
ADI Limited



Stanley Municipal Services Building

6 Stanley Market Road, Stanley



The project comprises the construction of a multi-purpose complex to accommodate the recreation, community and library facilities, office accommodation, open space and others, including a rooftop garden, loading and unloading bays and car parking spaces.

To respect and respond to the existing sloping site, the building has different levels of open platforms for both indoor and outdoor spaces to relate to the street. Juxtaposing with vertical planes on the elevation, the horizontality of open terraces form a rhythm of architectural spaces that harmonize with the street market tradition of Stanley.

Fast Fact

gross floor area	Approx 4,884 sq m
site area	Approx 2,800 sq m
no of storeys	4 storeys
completion	November 2005
project cost	HK\$186.6 million

Environmental features

In order to retain the greenery of the environment, the building sets back 250 sq m site area to preserve three original trees at the perimeter of the site. The site was surrounded by buildings and structures that restrict daylight. A courtyard was inserted into the centre of the Complex and the main functions were orientated towards the streets and around the courtyard to take full advantage of natural daylight. The courtyard provides a well-ventilated rendezvous on bright sunny days, and serves as a vent shaft in winter to facilitate cross ventilation and natural airflow for the semi-indoor spaces.

Soft landscaping is provided in the courtyard and on the roof garden, using native planting species which require less maintenance and water consumption.



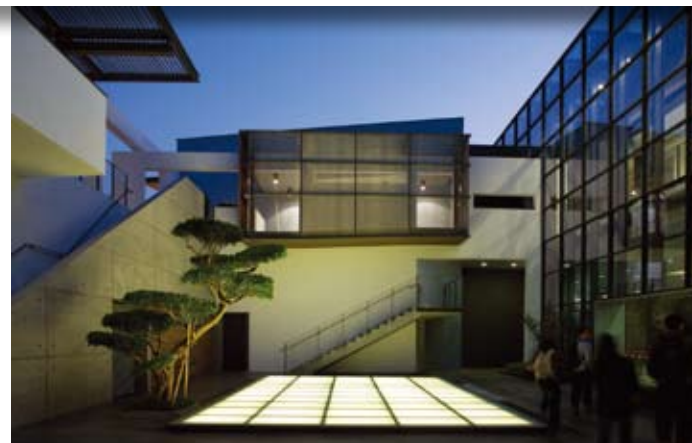
client
Leisure & Cultural Services Department, HKSAR Government
Home Affairs Department, HKSAR Government
Food and Environmental Hygiene Department, HKSAR Government

project manager
Architectural Services Department, HKSAR Government

architect/building services engineer/
structural engineer/landscape architect
Architectural Services Department, HKSAR Government

quantity surveyor
Levett & Bailey Quantity Surveyor Ltd

main contractor
Nishimatsui Construction Co Ltd



Reprovisioning of Diamond Hill Crematorium

Po Kong Village Road, Diamond Hill



Fast Fact	
gross floor area	Approx 5,740 sq m
site area	Approx 21,000 sq m
no of storeys	2 storeys
completion	February 2009
project cost	HK\$230 million





The design of the new Diamond Hill Crematorium aims to provide a calm, soothing and dignified place for the friends and relatives to face life's sad but unavoidable moments. This is achieved through the axial symmetrical disposition of the main service halls and the landscape podium; the carefully designed ceremonial

path for the mourners with intimate spaces for quiet reflection; and the spiritual engagement of the building with the surrounding nature.

The Re provisioning of the Diamond Hill Crematorium was carried out in two phases. Phase 1 consisted of the construction of six cremators, two service halls with a





capacity of 100 persons each, gardens of remembrance, water-lily ponds, automatic coffin transportation system and other associated facilities. Phase 2 consisted of the demolition of the old crematorium and at the space so released, constructed the remaining two service halls and other associated facilities.

The new Crematorium follows the existing site contour, facing south, and comprises 2 distinct zones accommodated on 2 levels: the ground floor level for vehicle drop-off and building services installations, and the podium level where service halls, water-lily ponds and landscaping area are located. The ceremonial path taken by the

mourners is carefully designed, focusing on the serene and contemplative experience.

Through admission of natural lighting from skylights and slit windows, a calm, tranquil and warm ambience is created inside the service halls. The entrance and exit of each service hall are purposely segregated, avoiding the chances of different groups of mourners meeting each other and stirring up grievous emotions.

The podium is richly landscaped with trees and climbers. Coupled with the water-lily ponds, a peaceful ambience is thus achieved for quiet reflection. Friends and relatives can take a rest and



pay tribute to the departed here before and after the ceremonies. Plants with bright colours and strong fragrances such as *Osmanthus fragrans* (sweet osmanthus) and *Plumeria rubra cv. Acutifolia* (Mexican frangipani) are selected for the gardens of remembrance so that mourners will be reminded of the beauty of nature and the celebration of life.

Continuous planters along building edges are provided to soften the rectilinear building form. The design features of the building also include the green roofs of the service halls which lower the roof surface temperature and the air-conditioning load of the halls.

client
Food and Environmental Hygiene Department, HKSAR Government

project manager
Architectural Services Department, HKSAR Government

architect/building services engineer/structural engineer/
 quantity surveyor/landscape architect
Architectural Services Department, HKSAR Government

main contractor
China Resources Construction Co Ltd