



Visit to Shenzhen Hon Kwok City Centre (漢國城市商業中心)

Reported by Sr Paul Wong, Chairman of the Quantity Surveying Division/Chairman of the QSD CPD Sub-committee

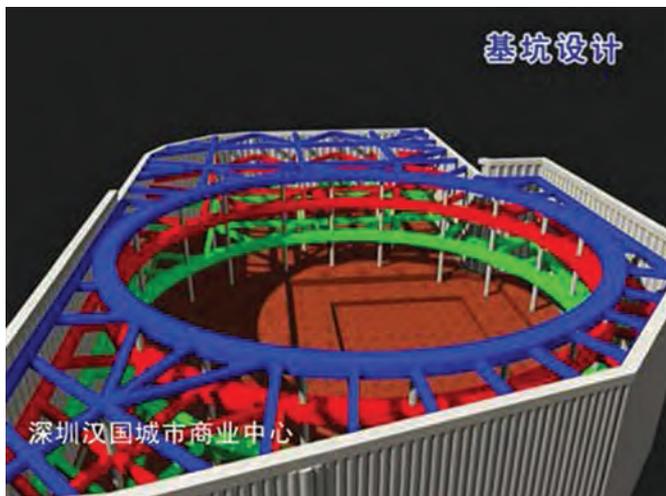
The QSD CPD Sub-Committee organised a visit to the site of Shenzhen's Hon Kwok City Centre (漢國城市商業中心), located in Futian at the junction of Shennan Ave and Fu Ming Road, on 10 January 2015. This visit was guided by Mr Geoffrey Lee, the Project Director of Hon Kwok Land Investment (China), Ltd. Before starting the tour, Mr Lee informed us of the building's design concept, its cost of construction, and the construction technologies applied.

This spectacular skyscraper has a construction floor area of approximately 171,000m² and will become the fifth highest building in Shenzhen (329m). It consists of five levels of basement, six levels of podium, and 75 levels of tower block. Found in the basement are retail, garage, and mechanical rooms, with part of the B5 level serving as an emergency bomb shelter in wartime. The podium and tower block will serve as retail, office, and leisure space. This fabulous project is expected to be completed by the end of 2015.

Difficulties always appear in high-rise buildings, and Hon Kwok City Centre is no exception. What makes this project so complicated is its extremely large basement, which measures 115m (length) x 70m (width) x 22m (depth). Also, since the basement is close to peripheral structures, such as a hospital and underground railway, its design and construction sequence had to be thoroughly considered. In order to solve these problems, the method of circular inner bracing with anchor cables and piles was adopted for the

building's deep excavation. Through this method, the risk of settlement and deformation was minimised.

After the presentation, the members had a valuable chance to visit the site. Due to the outstanding height of the Centre, we enjoyed a stunning panoramic view of the entire city. After the visit, our own Sr Paul Wong presented a souvenir to Mr Lee. We then took group photos to commemorate this event. We thank Mr Lee for giving us a wonderful presentation and tour in a weekend morning.



Circular inner bracing



night view



Report on the Presentation of the Site Area and Land Boundaries in Building Plan Submissions

Reported by Sr Tony Hon & Paddy Ng

The CPD seminar on the Presentation of the Site Area and Land Boundaries in Building Plan Submissions was held successfully on 10 November 2014. We had the honour to welcome the LSD Chairman, Sr Lesly LAM, Assistant Director (PD) of the Operations Department of Vanke Property (Hong Kong) Company Limited, and the LSD Vice Chairman, Sr Joseph Wong, Director of Land Marker (1980) HK Co., Ltd, to come share their views on land boundary surveys in the urban areas and New Territories and compare the Guidelines in the Buildings Department and Land Survey Ordinance in site area measurements and land boundary plan preparations. The seminar was very comprehensive and attracted 176 members from the different divisions.

Sr LAM and Sr WONG introduced the historical background of land boundary survey development in the urban areas and New Territories, which involved different types of land records and survey practices. The major aims of the Land Survey Ordinance (Cap.473) (LSO), which was enacted in 1995, are to provide for the registration and discipline of land surveyors engaged in land boundary surveys, control the standards of land boundary surveys, and establish land boundary records.

Before the enactment of the LSO, registered land boundary records were prepared by non-land surveying professionals whose accuracy and quality could not be verified. These flaws and inaccuracies made the jobs of land surveying professionals

who were engaged in boundary re-establishments difficult, especially when it came to fulfilling the site area requirements for building plan submissions under the Guidelines of the Buildings Department (i.e., lot areas corrected to 0.001 m²) because they contradicted the requirements of the LSO. Reconciling the requirements of these two systems become crucial for making building plan submissions more convenient, which would expedite the pace of development, and safeguarding those land survey professionals registered under the LSO.



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Report on the 2014 LSD PQSL Series

Reported by Sr Tony Hon & Paddy Ng

The PQSL Series for LSD probationers were held successfully from September to November 2014. We were honoured to invite Sr KOO Tak-ming, Sr Kenny CHAN, Sr TONG Kwan-yuen, Sr Victor NG, Sr Raymond CHOI, and Ms. Florence CHAN, all of them experienced land surveying and mapping practitioners, to come share with us the concepts and highlights of various topics in the land surveying profession.

This PQSL Series aimed to help LSD probationers prepare for the LSD APC Part I Written Assessment, which was held in December 2014. The six talks were very informative and attracted over 250 members.



Date	Topic	Speaker
26 Sep 2014	Cadastral Surveying	Sr KOO Tak-ming
10 Oct 2014	Geodetic Surveying	Sr Kenny CHAN
22 Oct 2014	Photogrammetry and Remote Sensing	Sr TONG Kwan-yuen
3 Nov 2014	Geographic Information Systems	Sr Victor NG
7 Nov 2014	Engineering Surveying, Hydrographic Surveying, Topographic Surveying, and Utility Surveying	Sr Raymond CHOI
14 Nov 2014	Mapping and Cartography	Ms. Florence CHAN

