



**泰昇地基**  
TYSAN FOUNDATION

## **AIL 451 Welfare Road, Aberdeen** **Site Formation Works**

Project : Residential Development at  
Inland Lot 451 Welfare Road Aberdeen

Client : K. Wah International Holdings Limited/  
Nan Fung Group/  
Sino Land Company Limited (JV)  
[Teamer International Limited]

Architect : Wong Tung and Partners Limited

Engineer : C M Wong and Associates Ltd

Construction Period : August 2008 to February 2010

Location : AIL 451 Welfare Road, Aberdeen

## **香港仔惠福道AIL451地段** **地盤平整工程**

工 程 : 香港仔惠福道內地段  
第AIL451住宅發展項目

客 戶 : 嘉華國際集團有限公司/  
南豐集團/  
信和置業有限公司(合資建設)  
[天霸國際有限公司]

建 築 師 : 王董國際有限公司

工 程 師 : 黃志明建築工程師有限公司

施 工 期 : 2008年8月至2010年2月

位 置 : 香港仔惠福道AIL451地段





## **AIL 451 Welfare Road, Aberdeen**

### **Site Formation Works**

The site formation works involved excavating to 23m deep from ex. ground level consisting of 58,000 m<sup>3</sup> of soil and 67,000 m<sup>3</sup> of rock. Excavation was carried out in 8 stages. To facilitate excavation, 10 nos. bored piles of 2.5m $\phi$  with average 10m rock socketing were installed along the western site boundary and acting as bored pile wall and 218 nos. of soldier piles were also installed along the rest of the site boundary (total 228 nos).

A temporary steel working platform covering half the site area was also constructed for the works. The site was bounded by The Aberdeen Marina Club along its southern boundary and an elderly's home at its northern boundary which were all very sensitive to noise and dust. Various safety and environmental measures needed to be implemented at site especially during the rock breaking works to minimize its effect on the adjacent surroundings, such as all machines were fitted with exhaust purifier to remove harmful gas and unburned diesel and deployment of hydraulic splitter for work excavation to reduce noise generated.

## **香港仔惠福道AIL451地段**

### **地盤平整工程**

這項地盤平整工程所需挖掘深度為23米，涉及大約58,000立方米的泥土及67,000立方米的岩石，分8個階段進行。為方便挖掘，地盤西面範圍建造了10支直徑2.5米、平均入石深達10米的鑽孔樁作為擋土牆，以及在地盤其餘的範圍安裝了218支企樁(共228支)。

為了這項工程，亦特別興建了一個覆蓋半個地盤面積的臨時鋼鐵工作平台。由於地盤南面為深灣遊艇會及北面為老人院，均對噪音及塵埃較敏感，因此施工時，尤其在進行打石工程時需要實施不同的安全及環保措施，以確保對鄰近環境的影響減至最低，例如所有機器都安裝廢氣淨化器以去除有害氣體及未完全燃燒的柴油，以及在打石工程中調動油壓開尖工具以減低噪音的形成。

