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**Yau Lee Construction Co., Ltd.**

(A wholly-owned subsidiary of Yau Lee Holdings Ltd.)

## Strategy to Promote Best Practice of Site Safety Management

Redevelopment of Un Chau Street Estate Phase 2 and 4  
and Minor Works

Awarded the Construction Industry Safety Award Scheme 2006/2007  
Gold awards for public sector project in the Building Sites category

**27 July 2007**

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# 1. Project Information

## Redevelopment of Un Chau Street Estate Phase 2 and 4 and Minor Works

**Client: Hong Kong Housing Authority**

**Contract Period : 23 Aug 2005 – 27 Jan 2008**

**Contract Sum: 640 Million**

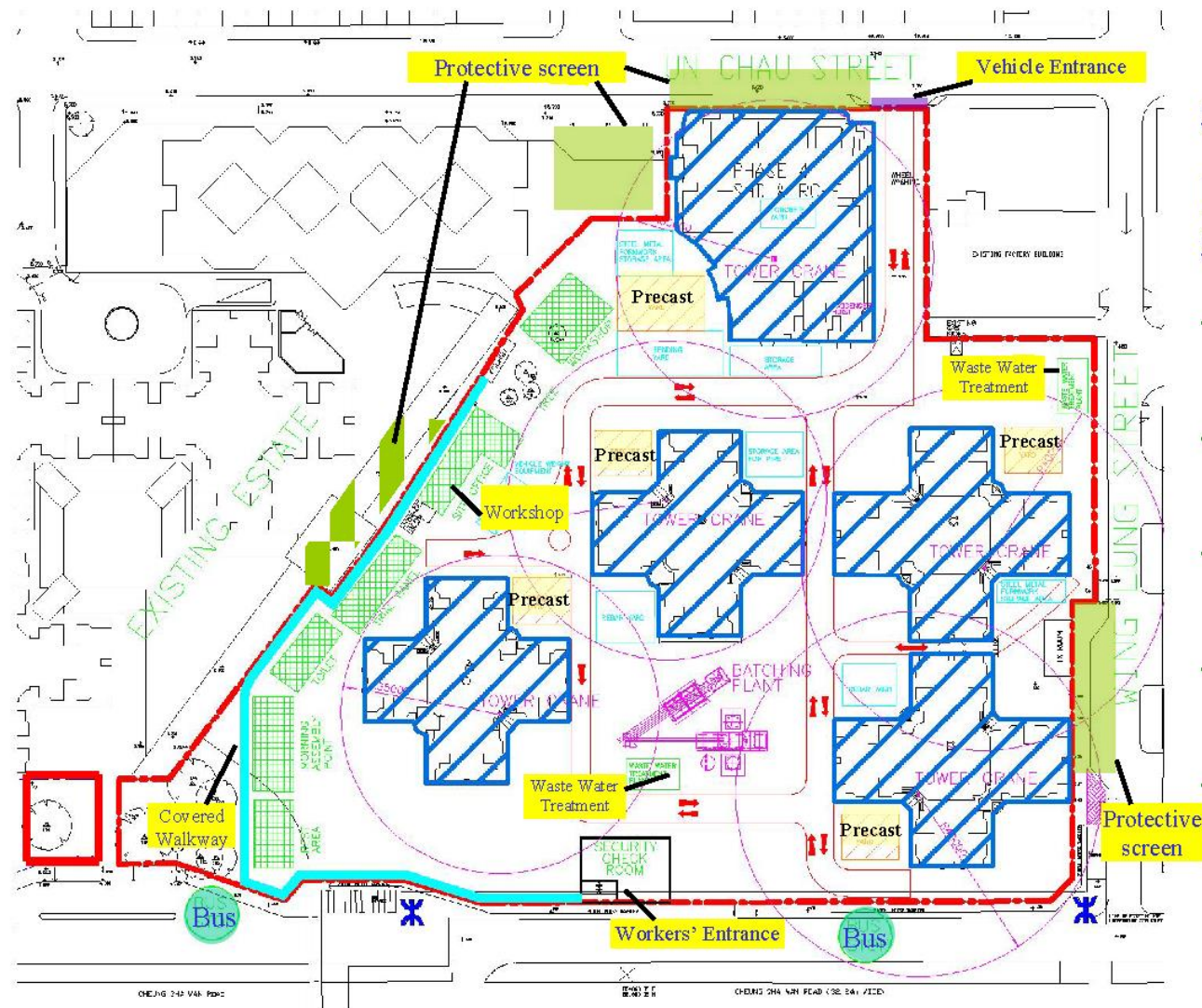
1. Two 41-storey New Harmony (Option 6) Blocks.
2. Two 41-storey New Harmony (Option 2) Blocks.
3. One 21-storey Small House Development and Residential Care Home for the Elderly.
4. Minor Works at Hammer Hill Road and Tai Hang Tung



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## 2. Site Planning and Public Concerns



### Safety Concerns:

### Neighbourhoods and Site Constraints

- Closed to MTR & Bus Stop  
> Site Entrance
- Falling objects  
> Protective Screens
- Dust  
> Whole Site Hard Paving
- Noise  
> Batching Plant
- Tower Crane Arrangement



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# Pedestrian Control

**Provide Audible Signaling System with barriers at entrance for pedestrian control**



**Green Signal** shows pedestrians can across the road



**Red Signal** alerts pedestrians



**Flag man controls** vehicle off-site



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# Public Awareness

## Over head protection for the public safety



Maintain a **good house keeping** and use **tag-lines** for the hand tools against falling objects



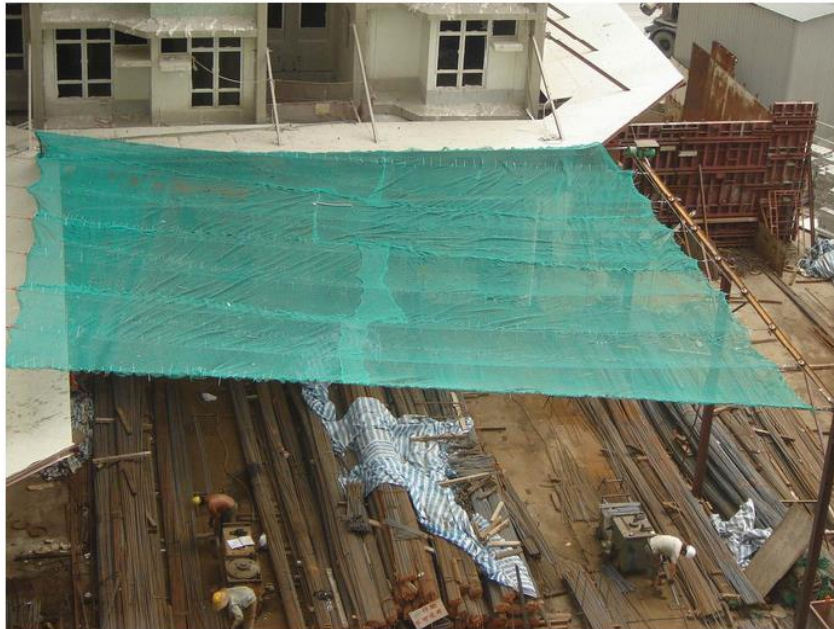
Provide **safety nets** for additional protection against falling objects from height



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## 4. Control of Major Work Hazards

### Protection from Falling Objects



**Electric Movable Overhead Protection Nets** protect workmen at steel bar bending yards against falling objects



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# Protection from Falling Objects



**Metal Gates** installed at lift shaft openings for preventing fall of person and objects (These measures implemented in previous projects since year 1996)



**Overhead Protection Nets** protect workmen at the material hoist loading and unloading areas



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# Reusable Precast Concrete Slab Hard Paving



## Advantages:

- Provide safe access and egress
- Easily reinstalled
- Material stacked in safe manner
- Provide safe and tidy working environment
- Dust control



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## Tidy Access and Egress



**Haul Road**



**Covered walkway to blocks and site office**



**Access and egress to blocks**





# Handling of Precast Facades



**Demarcated storage area** with assigned supporting steel frames for precast elements



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# Testing for Lifting Gears



**Welding Test** on Lifting Points  
of Lifting Gears



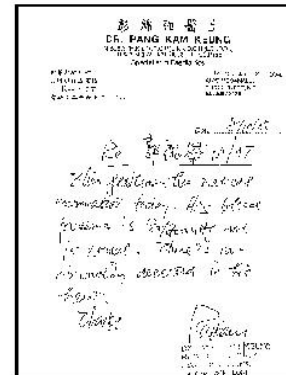
**Loading Test** to lifting beams  
for precast elements





# Tower Crane Operator's Competence

- **Direct experienced employees**
- **Provide adequate training**
- **Medical checks** to ensure health conditions
- **Safety rules** displayed at Tower Crane Cabinets



# CCTV to eliminate blind spots



**CCTV system** installed at the heavy vehicles and construction plants



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# Waste Water Collection and Recycle



**Collect water from blocks**

**Treatment Plant**



**Use recycle water for dust control and general cleaning**



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## 5. Safety Training

### Induction Training Course



文件：[CS/TM/01]

地盤安全健康及環保入職訓練  
元州街部二及四期及小型工程(大坑  
東及斧山道)地盤安全健康及環保  
入職訓練講義

檢討日期：2007年7月3日

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地盤安全健康及環保入職訓練  
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#### 危險區域

下列地點屬指定危險區域，未經許可，不可進入：  
石地盤、材料堆、吊車維修處、鋼筋廠、機房、  
煤油站、灰池、粉塵室(未潔)等。

過道不暢的地方，尤須留意。



**Comprehensive training programme  
to workers.**

### Morning assembly for workers' safety awareness



### Practical Training Course



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## 6. Workers' Welfare

Covered rest area



Workers Shower and Washroom



Solar Energy Heater

Filtered drinking water



Green Environment



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## 7. Conclusion

- **Company Policy**
- **Hazards Identification during Site Planning Stage**
- **Implementation of Safety Management System**
- **Client's Support**
- **Partnering**
- **Workers' and Sub-contractor's Co-operation**







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**Thank You**