

**Contract No. HY/99/19**  
**Castle Peak Road Improvement between**  
**Ting Kau and Sham Tseng**

**Landscape & Visual Audit and Monitoring**  
**(Operational Phase)**

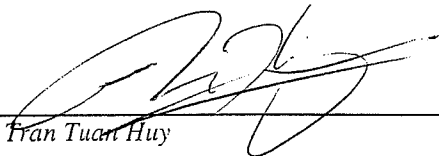
**Bi-monthly Inspection Report No. 01**

**(December 2006)**

Prepared by


URBIS LIMITED

Prepared by :

  
\_\_\_\_\_  
*Fran Tuan Huy*

\_\_\_\_\_  
18<sup>th</sup> December 2006

Approved by :

  
\_\_\_\_\_  
*David Morkel*

\_\_\_\_\_  
18<sup>th</sup> December 2006

## 1.0 INTRODUCTION

This is a Landscape and Visual Audit conducted to fulfill the requirements of the EIA during the Operational Phase of the project, and is based on the procedures and requirements as set out in the Castle Peak Road Improvement between Ting Kau and Sham Tseng - Environmental Monitoring and Audit Manual – Middle Contract.

Under the EIA, the proposed mitigation measures include both the planting works and treatment to structures. As stated in 6.4.2 of the EM & A Manual, all measures undertaken by both the Contractor and the Landscape Contractor during the construction phase and the first 12 months of the operational phase shall be audited on a bi-weekly and bi-monthly basis respectively to ensure compliance with the intended aims of the mitigation measures.

## 2.0 SCOPE OF AUDIT

The broad scope of the audit on mitigation measures is as detailed below:

### 2.1 Planting Proposals

#### *Construction Phase:*

- Regular inspection of the agreed works areas to ensure no unnecessary intrusion by the Contractor outside the limit of the works;
- Regular review of the progress of engineering works to identify the earliest practical opportunity for the landscape works;
- Monitoring of tree transplanting and planting operations;
- Monitoring of works around the area of existing trees to be retained and protected;
- Monitoring of protection works for existing trees;
- Ensure planting works are carried out in accordance with the Specification and within the right planting season;

#### *Operation Phase:*

- Monitoring of the maintenance operations during the Establishment Period to ensure all plants develop and grow.

### 2.2 Standard Treatment to Structures

- Monitoring and review to ensure the proposed architectural treatments to retaining walls, viaducts, bridges, and noise barriers are implemented in accordance with the approved design, and where appropriate, to soften the hard edges to structures with planting works.

### **3.0 INSPECTIONS**

#### **3.1 Summary of Inspection – 15<sup>th</sup> December 2006**

##### **3.1.1 Planting Works and Maintenance Operations**

- It was observed that many landscape planting works were outstanding, especially the planting of woodland mix plants on slopes. The Contractor was requested to carry out the outstanding planting works as soon as possible.
- A number of trees were observed to be dead. The Contractor was requested to replace all dead trees as soon as possible.
- Some slope planting areas were observed without grass hydroseeding. The Contractor was requested to carry out hydroseeding to all exposed soil surface areas.
- Scattered litter and construction waste were observed on some slope planting areas. The Contractor was requested to clear away the litter and construction waste to tidy up the slopes.
- Weeds were found to have over-grown on some of the slope areas. The Contractor was requested to carry out weeding to enhance the establishment of woodland plants.
- Several shrub planters were found without mulch cover. The Contractor was requested to carry out mulching to all outstanding areas.
- The tree roots of existing tree ST1 of tree group 18A (near RW40) to be retained was observed to be expose above pavement level. The Contractor was recommended to carry out remedial measure such as the construction of the low planter wall at the base of the tree for the protection and healthy establishment of the tree roots.

##### **3.1.2 Recommendations**

- The Contractor is recommended to replacing all dead trees as soon as possible.
- The Contractor is recommended to carrying out the planting of woodland mix plants on all outstanding slope areas as soon as possible. Also, the Contractor should carry out regular weeding, clearing of litter, and watering of plants during the dry periods.
- The Contractor is recommended to carrying out mulching to outstanding area of planter beds as soon as possible.
- The Contractor is recommended to carrying out remedial measures to ensure the healthy establishment of the existing retained tree ST1 near RW40.

### **4.0 AUDIT SCHEULE**

#### **4.1 Bi-monthly Audit Schedule during Establishment Period**

The next bi-monthly audit is schedule to be conducted on 15<sup>th</sup> February 2007.