

Noise Management Plan

for

Contract No. 04/HY/2006

Reconstruction of Bus Terminus

near Man Yiu Street and Man Kwong Street

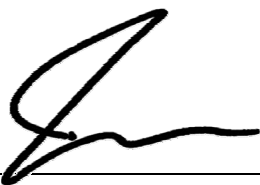
by

Environmental Pioneers and Solutions Limited

Revision 1

prepared on 6th January 2011

Prepared by: _____



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1 Introduction

Chiu Hing Construction & Transportation Co. Ltd. (hereafter as the Chiu Hing) appointed Environmental Pioneers and Solutions Limited as their environmental consultant to prepare this noise management plan for “Contract No. 04/HY/2006 – Reconstruction of Bus Terminus near Man Yiu Street and Man Kwong Street” (hereafter as the Project) under the requirement in condition 2.9 of the Environmental Permit (EP-364/2009).

The purpose of this noise management plan is to outline how Chiu Hing intends to minimize the environmental nuisance of noise pollution. Working processes of the project are reviewed and potential noise sources are forecasted and identified in this plan. Then, noise mitigation measures are proposed for implementation to minimize noise impact from the course of construction activities to the vicinity of sensitive receivers.

2 Project Information

The construction works of the project are located at the existing bus terminus and depot area near Man Yiu Street and Man Kwong Street. Construction activities were planned to be carried out in four phases and the project will be completed by January 2011.

The construction works under this Project are briefly described, without limitation, as below:

- Widening of carriageway;
- Construction of new footpaths;
- Transplantation of the existing trees;
- Demolition of existing planter and kerb along Man Kwong Street;
- Demolition of existing bus terminus;
- Construction of new bus terminus;
- Modification of existing drainage system;
- Construction of new cable ducts and cable drawpits;
- Relocation of existing street lighting; and
- Relocation of existing pedestrian crossing along with traffic light signal posts.

3 Identified Noise Sensitive Receiver

According to the findings from the Section 4.6.3 of Environmental Impact Assessment (EIA) Report (Ref. no.:AEIAR-041/2001), as part of construction programme of Central Interchange the Korea Centre (N1) at Sheung Wan, City Hall (N2) and PLA headquarters (N3) at Central are considered as the nearest Noise Sensitive Receivers (NSRs) from the project site.

The locations of the locations of representative noise sensitive receives are shown in Appendix.

3.1 Noise impact to Korea Centre

According to the findings from the EIA report, potential noise impact would be dealt to the N1 during the construction of Central Interchange. As part of the Central Interchange project, however, several commercial premises (International Finance Centre and Four Seasons Compound, Harbour Building, Vicwood Plaza as well as the Wing On Centre) are located between the project site and N1. Adverse noise impact generated during the course of construction would likely to be reduced as the NSR was shielded by those noise tolerant structures.

3.2 Noise impact to City Hall and PLA Headquarters

According to the findings from the EIA report, noise impact dealt to the N3 would be mainly attributed by construction activities from the Central Reclamation Phase III (CRIII). Due to the reason that N2 is provided with central air conditioning and noise insulated facilities and several commercial premises are located between the project site and N2 (i.e.: International Finance Centre, General Post Office and Jardines Houses) as noise tolerant structures. Adverse noise impact arisen from project site activities that would deal to the NSRs is believed to be in minimal.

4 Evaluation of Noise Impacts and Implementation of Noise Mitigation Measures

Although proposed construction activities would be generally small in scale and noise impact to the NSRs would be minimal from the findings in Section 3, to comply with requirements stipulated in EIAO-TM, NCO and minimize public concerns, implementation of noise mitigation measures and good site practices will be conducted during execution of construction activities and those statuses would be routinely inspected with representatives of Environmental Team (ET) and Independent Environmental Checker (IEC).

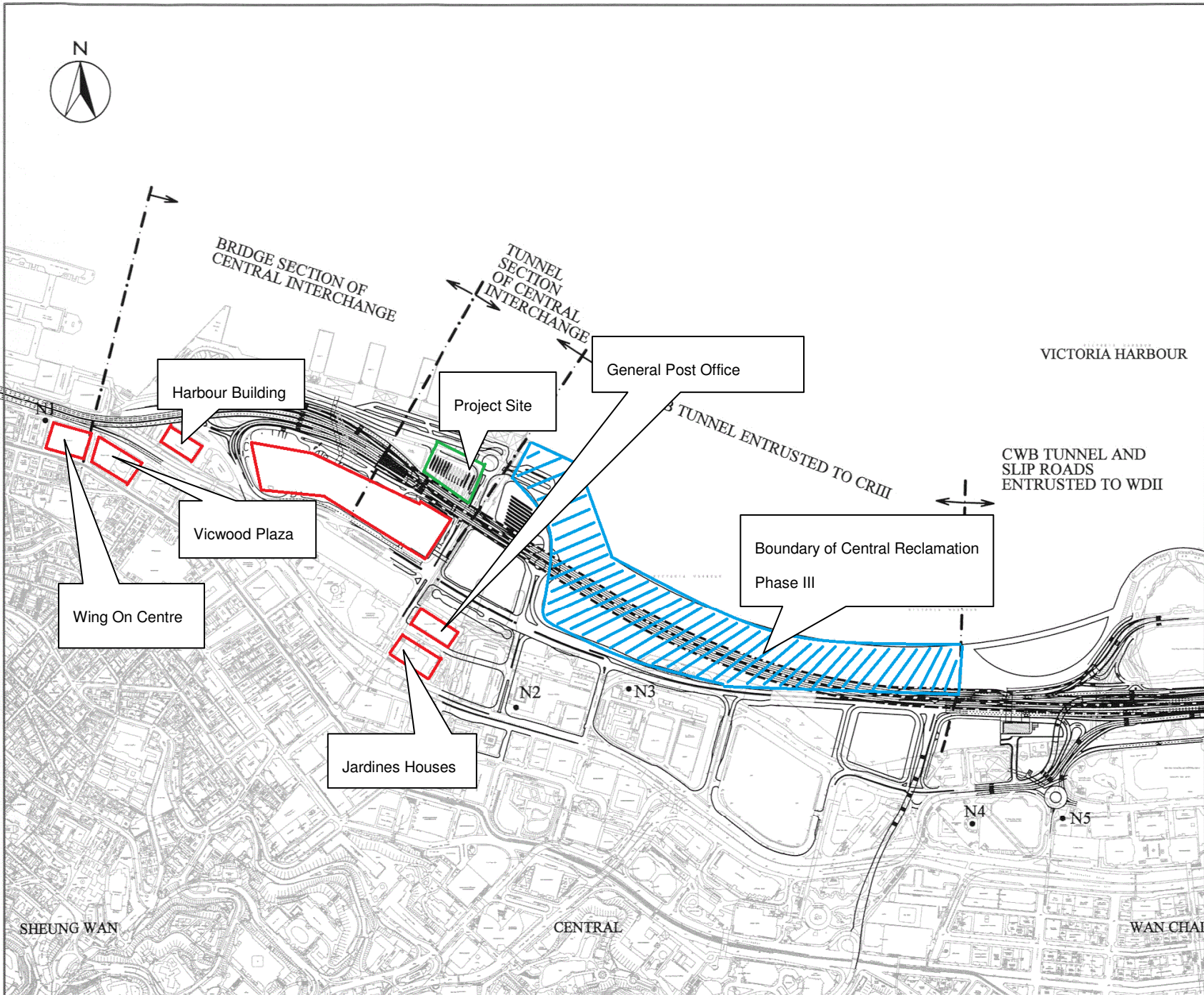
Chiu Hing shall adopt the following practices, but not limited, to minimize noise generation.

- Provide adequate planning with contingency to ensure that lengthy operation can be completed within the permitted hours.
- Schedule of construction activities will be well planned and operation of PMEs will be grouped to avoid generation of excessive noise.
- Only well-maintained plant would be operated on site and plant would be serviced regularly during the course of construction.
- Silencers or mufflers on construction equipment will be utilized and will be properly maintained during the construction program.
- All hoods, cover panels and inspection hatches of PMEs, such as generator, air compressor and backhoe, will be closed during operation.
- Where percussive breakers are used, the breaker tip will be wrapped with sound insulating materials to reduce noise generation as if it is practicable.
- Mobile plants will be sited as far away from NSRs as possible.
- Plant known to emit noise strongly in one direction will be orientated as far as it is practicable so that the noise is directed away from the nearby NSRs
- Machines and plant (such as trucks) that may be in intermittent use will be shut down between work periods or will be throttled down to a minimum.
- Material stockpiles and other structures should be effectively utilized, where practicable, in screening noise from on-site construction activities.

In accordance with the specific requirement condition 2.4 of the granted Further Environmental Permit (Permit No.: FEP-04/364/2009/A), the Project Proponent and Engineer Representatives will closely liaise with the Stake Holders of the concerned parties, including owners of corporations, management offices, local committees and set up a Community Liaison Group with the aforementioned parties to facilitate communication, enquiries and complaints on all environmental issues. Chiu Hing will also pay serious attention on their site activities as to minimize environmental impacts as far as practicable.

Appendix

General Layout of Project Site Area, NSRs, Noise Tolerant Structures and CRIII



- Legend :
- N1 Noise Sensitive Receiver

Highways Department 路政署
Major Works Project Management Office

CENTRAL - WAN CHAI BYPASS AND IEG LINK

LOCATIONS OF REPRESENTATIVE NOISE SENSITIVE RECEIVERS

SHEET 1 OF 2

MAUNSELL CONSULTANTS ASIA LTD
馬敏士亞洲工程顧問有限公司

FIG. NO. FIGURE 4.3.1

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METRES		

