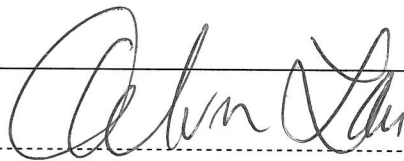


**CEDD Contract No. GE/2013/06
Landslip Prevention and Mitigation Programme, 2008, Package J,
Landslip Prevention and Mitigation Works in New Territories
Above Leung Fai Tin along Clear Water Bay Road, Sai Kung
Study Area No.: 12NW-C/SA1 (Study Area H)**

Independent Environmental Checker (IEC)
Monthly Audit Report No. 2
1 April to 30 April 2014

(182663/B&V/003/Issue 1)

Report Authorized For
Issue By:



For and on Behalf of
Black & Veatch Hong Kong Limited

Black & Veatch Hong Kong Limited
25/F, Millennium City 6
392 Kwun Tong Road
Kowloon
Hong Kong

May 2014

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FIGURES

Figure 1 Location Plan of the Designated Project

APPENDICES

Appendix A Environmental Inspection Checklist

	Name	Signature	Date
Prepared by	Esther Tong		30 Apr 2014
Checked by	Manuel Chua		30 Apr 2014
Reviewed by	Andy Kwok		30 Apr 2014

1. INTRODUCTION

1.1 Background and Project Description

1.1.1 Geotechnical Engineering Office (GEO) of the Civil Engineering and Development Department has identified about 2700 natural hillside catchments with a known history of landslides close to existing buildings and important transport corridors based on interpretation of large-scale historical aerial photographs. Natural hillside catchments affecting individual units of existing development are further grouped into different Study Areas designated for natural terrain hazard studies by GEO.

1.1.2 The natural hillside, Study Area No. 12NW-C/SA1, at Leung Fai Tin above Clear Water Bay Road in Clear Water Bay Peninsula, includes a number of hillside catchments which warrant high priority for natural terrain hazard study and mitigation actions. The location and the extent of the Study Area are shown in **Figure 1**.

1.1.3 The natural hillside within the Study Area has been disturbed since 1940s, and there were 3 landslides identified to have occurred on the natural hillside in 1970s. A detailed natural terrain hazard study concluded that the natural hillside within the Study Area is highly susceptible to landslide failures and the landslide debris would travel downslope and be channelised along the stream course reaching Clear Water Bay Road and the village houses at Leung Fai Tin.

1.1.4 Hence, natural terrain hazard mitigation works (HMW) are required at the lower portion of the Study Area (hereinafter referred to as the "Works Area") to mitigate the potential hazards arising from natural terrain open hillslope landslides, boulder falls and channelised debris flows at the Study Area affecting Clear Water Bay Road and village houses at Leung Fai Tin downhill. The proposed natural terrain HMW includes erection of tensioned steel mesh fences (also known as flexible barrier), construction of masonry maintenance staircases and associated landscape treatments at the Works Area. The extent of the Works Area has been carefully considered to limit the extent of proposed works, necessary working space and the site access.

1.2 Types of Designated Project

1.2.1 The Natural Terrain Hazard Mitigating Works at Study Area No. 12NW-C/SA 1 above Leung Fai Tin along Clear Water Bay Road, Sai Kung is referred as "Designated Project" (DP) which includes the works area of the Project falls within a Conservation Area under the approved Clear Water Bay Peninsula South Outline Zoning Plan No. S/SK-CWBS/2 and Item Q.1 Part 1 of Schedule 2 under the Environmental Impact Assessment Ordinance (EIAO). The Project Profile (Register No. PP-480/2013) was submitted for directly application of Environmental Permit (EP) on 18 March 2013. Environmental Protection Department (EPD) granted the EP (EP No.: EP-448/2013) to the GEO/Civil Engineering and Development Department (hereinafter referred to as the "Client") in 10

- April 2013 to construct the Designated Project (EP) under the Environmental Impact Assessment Ordinance (EIAO).
- 1.2.2 According to the EP Specific Condition Clause 2.5, the Permit Holder shall employ an Independent Environmental Checker (IEC) to audit the implementation of all mitigation measures recommended in the Project Profile and the approved Landscape and Compensatory Planting Plan, and to certify in writing in the monthly audit report full implementation of the mitigation measures during and upon completion of the construction works. The IEC shall not be in any way an associated body of the Contractor of the Project.

1.3 Location and Scale of Project

- 1.3.1 The proposed HMW will be constructed within the Works Area at the lower portion of the Study Area No. 12NW-C/SA1 above Clear Water Bay Road, Leung Fai Tin in Clear Water Bay Peninsula. The Works Area is located within a Conservation Area. Extent of the Works Area is approximately 6,000m² and the project comprises as follows:
- a. Erect about 250m long, 5m-6m high flexible barrier supported by vertical and raking steel bar anchors (about 120 nos.) to be drilled and installed in ground.
 - b. Construct of 300m long, 600mm wide masonry maintenance access with handrails
 - c. Provision of soft landscape works includes pit-planting of native/shrub seedlings, plant of climbers and hydroseeding.

1.4 Organisation and Reporting Schedule

- 1.4.1 CEDD commissioned CH2M HILL Halcrow China Limited (CHMHC) as the Engineer. The Contractor of the Project is Kwan On Construction Co. Ltd (KOCCL). Black & Veatch Hong Kong Limited (B&V) was appointed as Independent Environmental Checker (IEC) on 10 February 2014. This Report covers the period from 1 April 2014 to 30 April 2014.

2. PROGRESS OF THE CONTRACT

2.1 Status of the Environmental Licence and Permits

2.1.1 Table 2-1 presents a summary of the status of environmental licenses and permits for this Contract.

Table 2-1 Status of Environmental Permit

Type of Licence	Permit/License No.	Issue Date	Covered Area	Validity	Status
Environmental Permit	EP-448/2013	10 April 2013	Study Area No. 12NW-C/SA1 above Leung Fai Tin along Clear Water Bay Road, Sai Kung	Whole Project	Valid

2.2 Progress of the Construction Works

2.2.1 The construction work of the Project has been commenced on 15 January 2014. During the reporting period, no construction work was being carried out during the site inspection. Partial site hoarding adjacent to Clear Water Bay Road was hoisted during the site audit (Photos 1 to 2).



Photo 1 View from Outside the Project Boundary



Photo 2 Internal View of Site Hoarding along the Project Boundary

2.3 Summary of Site Inspection and Audit

- 2.3.1 According to the approved Landscape and Compensatory Planting Plan, no tree will be felled due to the site hoarding erection. The Contractor is reminded to position the site hoarding to protect all trees along the alignment.
- 2.3.2 During the reporting period, one IEC joint site inspection with KOCCL was conducted on 25 April 2014. Erection of site hoarding has been commenced this month. It is expected to be completed in coming month. Protective tree wrapping on retained trees along the site hoarding were observed and provided. No tree damage was observed during the site audit. No non-compliance and observation was identified. No follow-up action is required.
- 2.3.3 April to October is typical wet season months. The Contractor is reminded to implement necessary mitigation measures to prevent silty runoff from site. The design of the drainage and discharge quality shall comply with Water Pollution Control Ordinance and its subsidiary regulations and Practice Note for Professional Person ProPECC Notes PN1/94 on Construction site drainage.
- 2.3.4 The Contractor was conducted a tree survey before commencement of construction. It was noted some protected trees are damaged and missing. CHMHC submitted the latest tree survey report to EPD on 10th February 2014 (Ref. HCL/(GE/2013/06)/M45/600/081) regarding status of protected trees and are summarized as below Table 2-2. Details are shown in Appendix B.

Table 2-2 Status of Protected Trees

Tree Species	No. of individuals identified during Design Phase	No. of individuals identified during Site Preparation Stage	No. of individuals is reported missing	No. of individuals is reported damaged
<i>Aquilaria sinensis</i>	85	65	20	19
<i>Pavetta hongkongensis</i>	10	7	3	0

2.4 Summary of Complaints and Prosecutions

- 2.4.1 No environmental complaint was recorded in the reporting period.
- 2.4.2 No prosecution was recorded in the reporting month.
- 2.4.3 No violation of the environmental permit of the Contract as listed in Table 2-1 was recorded during the reporting month.
- 2.4.4 The update statistical summary of complaint is presented in Table 2-3.

Table 2-3 Status of Complaints and Prosecution

Reporting Period	Complaint Statistics		Area of Concern	Validity	Status
	Number	Cumulative			
1 st Apr 2014 – 30 th Apr 2014	0	0	-	-	-

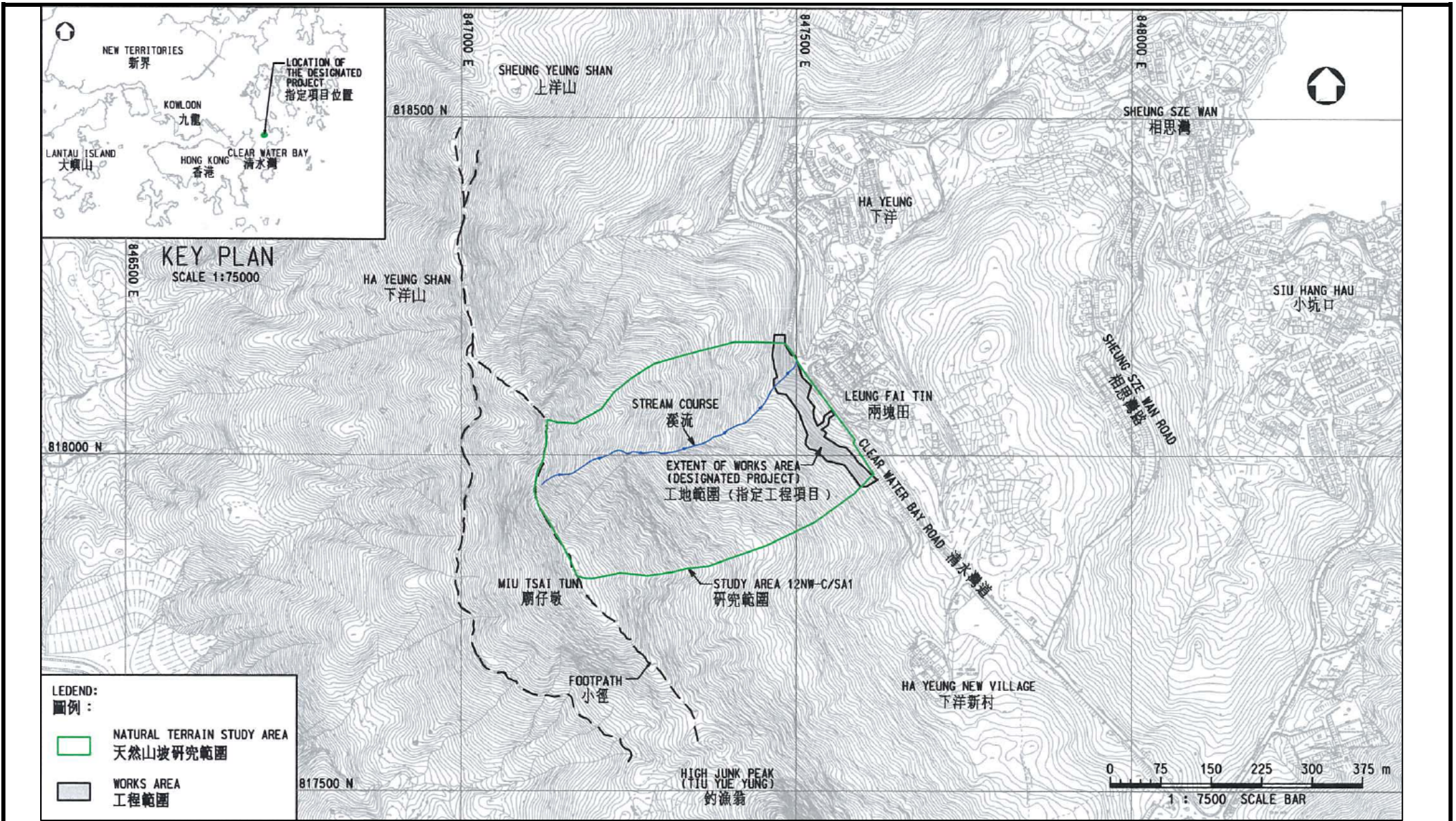
3. CONCLUSIONS

- 3.1.1 During the reporting period, no construction work was carried out. Erection of site hoarding was commenced this month.
- 3.1.2 No environmental complaint was received in the reporting month. No summon or prosecution related to the environmental issues was made against the Project in the reporting month.

4. RECOMMENDATIONS

- 4.1.1 The Contractor was reminded to implement the relevant mitigation measures as stated in the Environmental Permit and the Contract to prevent any non-compliance throughout the construction period.

Figure



Project Title : Natural Terrain Hazard Mitigation Works at Study Area No. 12NW-C/SA1 above Leung Fai Tin along Clear Water Bay Road, Sai Kung
工程項目名稱: 西貢清水灣道兩塊田天然山坡研究地區編號 12NW/C/SA1 天然山坡災害緩減工程
Environmental Permit No. : EP-448/2013
環境許可證編號 : EP-448/2013

Figure 1 : Location of the Project

圖 1 : 工程項目位置

(This figure was prepared based on Figure 1 of the Project Profile (Register No.: PP-480/2013))
 (本圖是根據工程項目簡介(登記冊編號: PP-480/2013) 圖1 編製)

Appendix A

Environmental Inspection Checklist

		Checklist Number:	GE/2013/16_No. 3
Project:	Contract No. GE/2013/16	Inspected by:	
	Leung Fai Tin along Clear Water Bay Road	IEC's Representative:	Ms. Esther Tong
	Study Area: 12NW-C/SA1 (Study Area H)	RE's Representative:	Mr. Joe Nam
Inspection Date:	25 April 2014	ET's Representative:	-
Time:		Contractor's Representative:	Mr. Roy Leung

PART A: GENERAL INFORMATION

Weather: Sunny Haze Cloudy Rainy Fine

Temperature: °C

Humidity: High Moderate Low

Wind: Strong Breeze Light Calm

Major Construction Works Observed

Site Hoarding was hoisted.

PART B: SITE AUDIT

Note:	N/A	Yes	Follow Up	N/C	Photo/Remarks
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Section 1: Construction Noise

1.01	Are noisy equipment and activities positioned as far as practicable from the sensitive receivers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.02	Is silenced equipment adopted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.03	Is idle equipment turned off or throttled down?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.04	Are plant and equipment kept to a minimum?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.05	Is parallel use of noisy equipment / machinery avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.06	Are all plant and equipment well maintained and in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.07	Are noise barriers or enclosures provided at areas where construction activities cause noise impact on sensitive receivers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.08	Are hand held breakers fitted with valid noise emission labels during operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.09	Are air compressors fitted with valid noise emission labels during operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.10	Are flaps and panels of mechanical equipment closed during operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.11	Are Construction Noise Permit(s) applied for general construction works during restricted hours?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.12	Are valid Construction Noise Permit(s) displayed on the construction site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Checklist Number:

GE/2013/16_No. 3

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
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Section 2: Air Quality

2.01	Are the excavated materials sprayed with water during handling?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.02	Are stockpiles of dusty materials sprayed with water, covered or placed in sheltered areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.03	Is the exposed earth properly treated within six months after the last construction activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.04	Is the surface where any drilling, cutting, polishing or breaking operation continuously sprayed with water?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.05	Are de-bagging, batching and mixing processes carried out in sheltered areas during the use of bagged cement?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.06	Are there any fencing provided along the site boundary, which adjoins areas accessible to the public?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
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Section 3: Water Quality

3.01	Is the discharge of turbid water avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.02	Are there proper desilting facilities in the drainage systems to reduce SS levels in effluent?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.03	Are there channels, sandbags or bunds to direct surface run-off to sedimentation tanks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.04	Are there any perimeter channels provided at site boundaries to intercept storm runoff from crossing the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.05	Are the maintenance access and/or anchor built within the stream?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.06	Are temporary exposed slopes properly covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.08	Are earthworks final surfaces well compacted or protected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.09	Are there any procedures and equipment for rainstorm protection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.10	Are the vehicle and plant servicing areas paved and located within roofed areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.11	Is the oil leakage or spillage avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.12	Are there any measures to collect spilt cement and concrete washings during concreting works?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.13	Are the oil interceptors/grease traps maintained properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14	Concreting wastes water should be neutralized below the pH Action Levels before discharge.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.15	Mobile toilets should provide on-site and located away the stream course.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.16	License collector should be employed for handling the sewage of mobile toilet.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Checklist Number: GE/2013/16_No. 3

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
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Section 4: Ecology

4.01	Are the maintenance access and/or anchor built within the stream?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.02	Is there any opening (at least 0.5m allowed) between the stream bed and the bottom of the flexible barrier provide?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.03	Are protected plants species are retained in-situ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.04	Is there any tree pruning to damage the preserved trees?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.05	Are all <i>Aquilaria sinensis</i> (85 nos.) and <i>Pavetta hongkongensis</i> (10 nos.) retained in-situ and fenced off?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.06	Are there any tagged provided at retained in-situ trees?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.07	Are all retained trees closed to the construction works providing protective wrapping properly to minimize the damage?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.08	Are only 25 nos. of non-protected trees are felled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.09	Are any native light standard trees provided as compensatory planting (ratio 1:3)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.10	Are the proposed compensatory trees planting native and shade-tolerant trees species according to the recommendation of Project Profile?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.11	Is the positioning the alignment has minimum 1.5m in radius away from the alignment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.12	Any induction training course to all site personnel (both supervision staff and workers) to brief the persevered trees location and importance?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.13	Any adjustment of the foundation of flexible barriers and staircases to avoid the damage of root systems of existing trees?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.14	Is there any re-vegetation area to compensate the temporary loss of 200m ² (due to temporary access) understorey area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.15	Is there any re-vegetation area to compensate the permanent loss of 200m ² (due to maintenance access and anchor) understorey area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
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Section 5: Landscape and Visual

5.01	Is the landscape design including the compensatory planting follow GEO Publication No. 1/2011?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.02	Is there any erecting of hoarding to minimize the unsightly construction activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.03	Is the hoarding with decorative panels with patterns of vegetation mature trees below the hoardings for nature screening) to minimize the visual impact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.04	Any utilization of existing trees located in fornt of hte flexible barrier as natural screening?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.05	Any provision Pit-planting of native light standard trees and planting of climbers in front of the fence to provided screening effect?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.06	Is the dark colour of the flexible barrier used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

		Checklist Number:				GE/2013/16_No. 3
Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
5.07	Are the concrete footing of the anchor and the handrails along the maintenance access painted with sub-due colour as far as practical?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.08	Are the maintenance accesses apply masonry finished to blend with surroundings?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Section 6: Waste Management						
6.01	Has the Waste Management Plan prepared according to ETWB TC(W) No. 19/2005 and submit to Engineer?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.02	Are receptacles available for general refuse collection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.03	Is general refuse sorting or recycling implemented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.04	Is general refuse disposed of properly and regularly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.05	Is the Contractor registered as a chemical waste producer?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.06	Are the chemical waste containers properly labelled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.07	Are the chemical wastes stored in proper storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.08	Is the chemical waste storage area properly labelled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.09	Is the chemical waste storage area used for storage of chemical waste only?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.10	Are incompatible chemical wastes stored in different areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.11	Are the chemical wastes disposed of by licensed collectors?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.12	Are trip tickets for chemical wastes disposal available for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.13	Are chemical/fuel storage areas bunded?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.14	Are designated areas identified for storage and sorting of construction wastes?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.15	Are construction wastes sorted (inert and non-inert) on site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.16	Are construction wastes reused?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.17	Are construction wastes disposed of properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.18	Are site hoardings and signboards made of durable materials instead of timber?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.19	Is trip ticket system implemented for the disposal of construction wastes and records available for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.20	Are appropriate procedures followed if contaminated material exists?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.21	Is relevant license/ permit for disposal of construction waste or excavated materials available for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.22	Site cleanliness and appropriate waste management training had provided for the site workers.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Checklist Number: GE/2013/16_No. 3

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/Remarks
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Section 7: Licence

7.01 Is relevant Environmental Permit posted at all vehicle site entrances/exits? _____

Section 8: Follow-up of the previous monthly environmental audit on date _____ (Checklist No. GE/2013/16_No.)

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/Remarks
8.01	Is the situation in item _____ improved / rectified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
8.02	Is the situation in item _____ improved / rectified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
8.03	Is the situation in item _____ improved / rectified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
8.04	Is the situation in item _____ improved / rectified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
8.05	Is the situation in item _____ improved / rectified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Checklist Number: GE/2013/16_No. 3

Remarks / Observations:

Nil

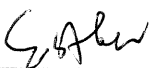
Signature:

IEC's Representative

RE's representative

ET's representative

Contractor's representative



Name: Ms. Esther Tong

Name: Mr. Joe Nam

Name:

Name: Mr. Roy Leung

Date: 25 April 2014

Date: 25 April 2014

Date:

Date: 25 April 2014

Checklist Number: GE/2013/16_No. 3

Observation (O) or Reminder (R) during site inspection on 25 April 2014.

Nil

Appendix B

Existing Protected Trees Status

Table B1 Status of *Aquilaria sinensis* (土沉香) within the Project Area

Existing Tree No.	Size: Information provided by		Status		Observable Defects / Damages of Trees	Remarks
	Overall Height (cm)	Diameter at breast height of the tree (mm)	Health Condition	Structure		
T582	2000	260	Very Poor	Very Poor	[1]	Found
T630	1200	220	Good	Fair	-	Found
T550	1500	210	Very Poor	Very Poor	[2]	Found
T627	1200	200	Good	Fair	-	Found
T705	1400	200	Very Poor	Very Poor	[3]	Found
T518	600	190	Good	Fair	-	Found
T599	800	190	Good	Fair	[2]	Found
T596	800	180	Good	Fair	-	Found
T608	800	170	Poor	Fair	[4]	Found
T644	800	160	Very Poor	Very Poor	-	Missing
T607	800	130	Poor	Poor	-	Found
T606	700	120	Very Poor	Very Poor	[3]	Found
T649	1000	120	Very Poor	Very Poor	[3]	Found
T495	600	100	Very Poor	Very Poor	-	Missing
T621	700	100	Very Poor	Very Poor	-	Missing
T629	700	100	Good	Fair	-	Found
TA044	1000	180	Fair	Poor	[1]	Found
833A	200	160	Fair	Poor	[5]	Found
889C	300	150	Very Poor	Very Poor	[3]	Found
605A	140	120	Good	Good	[6]	Found
495M	550	85	Poor	Poor	[3]	Found
801A	130	85	Good	Good	-	Missing
TA133A	170	80	Fair	Fair	-	Found
852A	550	65	Good	Good	-	Found
TA130A	450	60	Poor	Poor	[3]	Found
495D	500	55	Good	Good	-	Found
TA135A	200	55	Fair	Fair	-	Found
495E	300	45	Good	Poor	-	Found
495F	400	40	Fair	Fair	-	Found
895A	250	40	Good	Good	-	Missing
TA145B	350	40	Fair	Fair	-	Found
TA038A	300	40	Good	Good	-	Found
301D	350	35	Good	Good	-	Found
495A	300	35	Fair	Fair	-	Found
495H	300	35	Good	Good	-	Found
495P	200	35	Poor	Poor	-	Missing
889B	200	35	Good	Fair	-	Found
191A	250	30	Good	Good	-	Found
301A	160	30	Good	Fair	-	Found
301B	200	30	Good	Good	-	Found
301C	300	30	Good	Good	-	Found

Existing Tree No.	Size: Information provided by		Status		Observable Defects / Damages of Trees	Remarks
	Overall Height (cm)	Diameter at breast height of the tree (mm)	Health Condition	Structure		
301E	300	30	Good	Good	-	Found
495Q	250	30	Good	Good	-	Missing
495R	250	30	Fair	Fair	-	Missing
495S	300	30	Good	Fair	-	Missing
495T	250	30	Good	Fair	-	Missing
889A	200	30	Good	Good	-	Found
889D	300	30	Good	Good	-	Found
495J	300	28	Good	Fair	-	Found
495L	350	25	Good	Good	-	Found
495O	300	25	Good	Good	-	Missing
889E	200	25	Good	Fair	-	Found
038E	150	20	Good	Good	-	Found
036A	170	13	Fair	Poor	-	Missing
038D	150	11	Fair	Fair	-	Found
038A	50	10	Very Poor	Very Poor	[7]	Found
T341	100	N/A	Very Poor	Very Poor	[8]	Found
T517	100	N/A	Very Poor	Very Poor	-	Missing
T532	800	N/A	Very Poor	Very Poor	-	Missing
T847	100	N/A	Very Poor	Very Poor	[8]	Found
T891	100	N/A	Very Poor	Very Poor	[8]	Found
038B	40	Seedling	Fair	Poor	-	Found
038C	40	Seedling	Good	Good	-	Found
038F	50	Seedling	Good	Good	-	Found
038G	50	Seedling	Good	Good	-	Missing
480A	50	Seedling	Fair	Fair	-	Found
480B	30	Seedling	Fair	Poor	-	Missing
495B	120	Seedling	Good	Good	-	Found
495C	120	Seedling	Fair	Fair	-	Found
495G	180	Seedling	Good	Good	-	Found
495I	30	Seedling	Good	Good	-	Found
495K	30	Seedling	Fair	Fair	-	Found
495N	170	Seedling	Poor	Poor	-	Found
495U	100	Seedling	Good	Good	-	Missing
832A	100	Seedling	Good	Fair	-	Found
860A	50	Seedling	Good	Good	-	Found
889F	100	Seedling	Fair	Fair	-	Found
TA151A	100	Seedling	Fair	Poor	[8]	Found
TA151B	350	Seedling	Fair	Fair	-	Found
TA151C	350	Seedling	Fair	Good	-	Found
TA131A	100	Seedling	Fair	Fair	-	Missing
TA131B	100	Seedling	Fair	Fair	[7]	Found
TA145A	100	Seedling	Fair	Fair	-	Found
TA032A	20	Seedling	Fair	Fair	-	Missing
TA047A	26	Seedling	Good	Good	-	Missing

Existing Tree No.	Size: Information provided by		Status		Observable Defects / Damages of Trees	Remarks
	Overall Height (cm)	Diameter at breast height of the tree (mm)	Health Condition	Structure		
TOTAL					65 Found, 20 Missing	

Table B2 Status of *Pavetta hongkongensis* (香港大沙葉) within the Project Area

Existing Tree No.	Size: Information provided by		Status		Observable Defects / Damages of Trees	Remarks
	Overall Height (cm)	Diameter at breast height of the tree (mm)	Health Condition	Structure		
T897A	300	40	Fair	Fair	-	Found
T897B	117	Seedling	Good	Good	-	Found
T897C	80	Seedling	Fair	Poor	[9]	Found
T897D	250	Seedling	Fair	Fair	-	Found
T897E	150	Seedling	Fair	Poor	-	Missing
T704A	120	Seedling	Fair	Poor	-	Missing
T897F	55	Seedling	Good	Good	-	Missing
TA054A	70	Seedling	Fair	Fair	-	Found
TA054B	300	Seedling	Fair	Fair	-	Found
TA054C	170	Seedling	Fair	Fair	-	Found
TOTAL					7 Found, 3 Missing	

Remarks:

Damaged Trees

- [1] – Bottom part damage, topped
- [2] – Bottom part damage, fallen
- [3] – Bottom part damage
- [4] – Broken tree trunk
- [5] – Bottom part damage/ fungal body observed at bottom part
- [6] – Trunks broken and sealed with concrete
- [7] – Main stem broken
- [8] – Topped

Missing Trees

- [9] – Disease symptom observed on the leave

均安建築有限公司
KWAN ON CONSTRUCTION CO. LTD.

07 May 2014

Senior Environmental Protection Officer (Regional Assessment)3
Environmental Protection Department
Environmental Assessment Division - Regional Assessment Group
27/F, Southorn Centre,
130 Hennessy Road, Wan Chai, Hong Kong

By Post

Attn: Mr. WONG Wai-yan, Richard

Dear Sirs,

CEDD Contract No. GE/2013/06
Landslip Prevention and Mitigation Programme, 2008, Package J
Landslip Prevention and Mitigation Works in New Territories
Environmental Permit No. EP-448/2013
Independent Environmental Checker (IEC) Monthly Audit Report No. 3

Pursuant to Clause 2.5 of the Environmental Permit No. EP-448/2013, we would like to submit captioned the Independent Environmental Checker Monthly Audit Report No. 3 for your perusal.

Yours faithfully,
Kwan On Construction Co., Ltd.



Joey WONG
Ref: GE/2013/06-S103
Encl.

c.c. - GEO/LPM2 – Mr. Harris LAM w/e
- CH2M HILL Halcrow China Limited – Mr. Joe Nam w/e