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: 12/NW-C/SA1 (Study Area H)

Independent Environmental Checker (IEC)
Monthly Audit Report No. 9
1 October to 31 October 2014

182663/B&V/009/Issue 1

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November 2014

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	Name	*Signature*	*Date*
Prepared	Esther TONG		Nov 2014
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Reviewed / Authorised	Norman SONG		Nov 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 (DP) 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 6,000m^2 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 October 2014 to 31 October 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 Project has been commenced on 15 January 2014. During the reporting period, temporary access, erection of scaffolding and foundation works of the flexible barriers were being carried out during the site inspection. Site audit was carried out along the temporary works areas as shown in **Figure 2**.

2.3 Summary of Site Inspection and Audit

2.3.1 Proactive measures to prevent violation of EP were discussed by the Permittee, IEC, CHMHC and KOCCL in the reporting month.

2.3.2 Join site audit was carried out with CHMHC and KOCCL on 20th October 2014. Erection of chain link fencing, scaffolding and setting up of flexible barrier alignment were observed within the works area. All construction works were within the works boundary.

Identified Trees other than Aquilaria sinensis and Pavetta hongkongensis

2.3.3 41 nos. of trees along the temporary works area were inspected and summarized in Table 2-2. All of them were retained in-situ and provided with tree tags.

Table 2-2 Retained Trees along the Audit Route

ID.	Tree Species	ID.	Tree Species
T489	*Cinnamonum parthenoxylon*	T261	*Machilus chekiangensis*
T485	*Machilus chekiangensis*	T262	*Machilus chekiangensis*
T486	*Aporusa dioica*	T265	*Machilus chekiangensis*
T854	*Machilus chekiangensis*	T353	*Syzygium hancei*
T858	*Machilus chekiangensis*	T416	*Machilus chekiangensis*
T844	*Cinnamonum parthenoxylon*	T807	*Eurya nitida*
T420	*Machilus chekiangensis*	T805	*Machilus chekiangensis*
T419	*Machilus chekiangensis*	T38	*Cinnamonum parthenoxylon*
T418	*Machilus chekiangensis*	T191	*Machilus chekiangensis*
T414	*Scolopia saeva*	T36	*Cinnamonum parthenoxylon*
T413	*Machilus chekiangensis*	T53	*Diospyros morrisiana*

ID.	Tree Species	ID.	Tree Species
T416	*Machilus chekiangensis*	T55	*Machilus chekiangensis*
T358	*Machilus chekiangensis*	T35	*Diospyros morrisiana*
T359	*Machilus chekiangensis*	T123	*Machilus chekiangensis*
T357	*Syzygium hancei*	T149	*Schefflera heptaphylla*
T356	*Aporusa dioica*	T148	*Machilus chekiangensis*
T355	*Diospyros morrisiana*	T147	*Machilus chekiangensis*
T354	*Syzygium hancei*	T146	*Machilus chekiangensis*
T345	*Machilus chekiangensis*	T31	*Aporusa dioica*
T300	*Machilus chekiangensis*	T115	*Schefflera heptaphylla*
T298	*Machilus chekiangensis*		

Protected Tree - Aquilaria sinensis

2.3.4 22 nos. of *Aquilaria sinensis* located near or adjacent to the temporary works area were inspected and summarized in Table 2-3. Three (3) of them were found missing and were recorded as missing in the submitted baseline tree survey report before commencement of construction work. Five (5) of them were not inspected during the site audit as they are not close to the temporary works area. One (1) of them (T341) was found topped and bottom part damaged during the site audit which is located about 5 m away from the temporary works areas. It is considered not related to construction works nearby (Please refer to Photo 1).

Table 2-3 Identified *Aquilaria sinensis* along the Audit Route

Tree ID	Species	Conditions
T480A	*Aquilaria sinensis*	Fenced off with ~0.5m buffer distance
T480B*	*Aquilaria sinensis*	Missing
T852A	*Aquilaria sinensis*	Not examined, will be examined during next audit
T860A	*Aquilaria sinensis*	Not examined, will be examined during next audit
T832A	*Aquilaria sinensis*	Not examined, will be examined during next audit
T833A	*Aquilaria sinensis*	Not examined, will be examined during next audit
T847	*Aquilaria sinensis*	Not examined, will be examined during next audit
T341	*Aquilaria sinensis*	Dead
T301A	*Aquilaria sinensis*	Fenced off with ~1.5m buffer distance
T301B	*Aquilaria sinensis*	Fenced off with ~1.5m buffer distance
T301C	*Aquilaria sinensis*	Fenced off with ~1.5m buffer distance
T301D	*Aquilaria sinensis*	Fenced off with ~1.5m buffer distance
T301E	*Aquilaria sinensis*	Fenced off with ~1.5m buffer distance
T191A	*Aquilaria sinensis*	Fenced off with ~0.5m buffer distance
T38A	*Aquilaria sinensis*	Fenced off with ~0.5m buffer distance
T38B	*Aquilaria sinensis*	Fenced off with ~0.5m buffer distance
T38C	*Aquilaria sinensis*	Fenced off with ~0.5m buffer distance
T38D	*Aquilaria sinensis*	Fenced off with ~0.5m buffer distance
T38E	*Aquilaria sinensis*	Fenced off with ~0.5m buffer distance

Tree ID	Species	Conditions
T38F	*Aquilaria sinensis*	Fenced off with ~0.5m buffer distance
T38G*	*Aquilaria sinensis*	Missing
T36A*	*Aquilaria sinensis*	Missing
*:The tree was found missing during the Tree Baseline Survey (before commencement of construction works)		

Photo 1 T341 (*Aquilaria sinensis*)

Pavetta hongkongensis

2.3.5 *Pavetta hongkongnesis* was not inspected during the site audit as none of them were adjacent to the temporary works area.

Observation

2.3.6 No observation was recorded during the reporting month. Three follow up actions were taken due the observations recorded during the previous month. No tree felling was recorded.

Reminder

2.3.7 It is reminded that the Contractor shall ensure construction activities shall fully comply with the environmental permit conditions.

2.3.8 It is reminded that the Contractor shall provide sufficient induction training to all site personnel (both supervision staff and workers) in order to brief them on tree preservation including the locations of the *Aquilaria sinensis* and *Pavetta hongkongensis* individuals and their importance. The resident site supervisory staff shall closely monitor the conditions of the *Aquilaria sinensis* and *Pavetta hongkongensis* individuals

during the construction phase.

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 The update statistical summary of complaint is presented in Table 2-4.

Table 2-4 Status of Complaints and Prosecution

Reporting Period	Complaint Statistics		Area of Concern	Validity	Status
	Number	Cumulative			
1st Oct 2014 – 31st Oct 2014	0	0	-	-	-

3. CONCLUSIONS

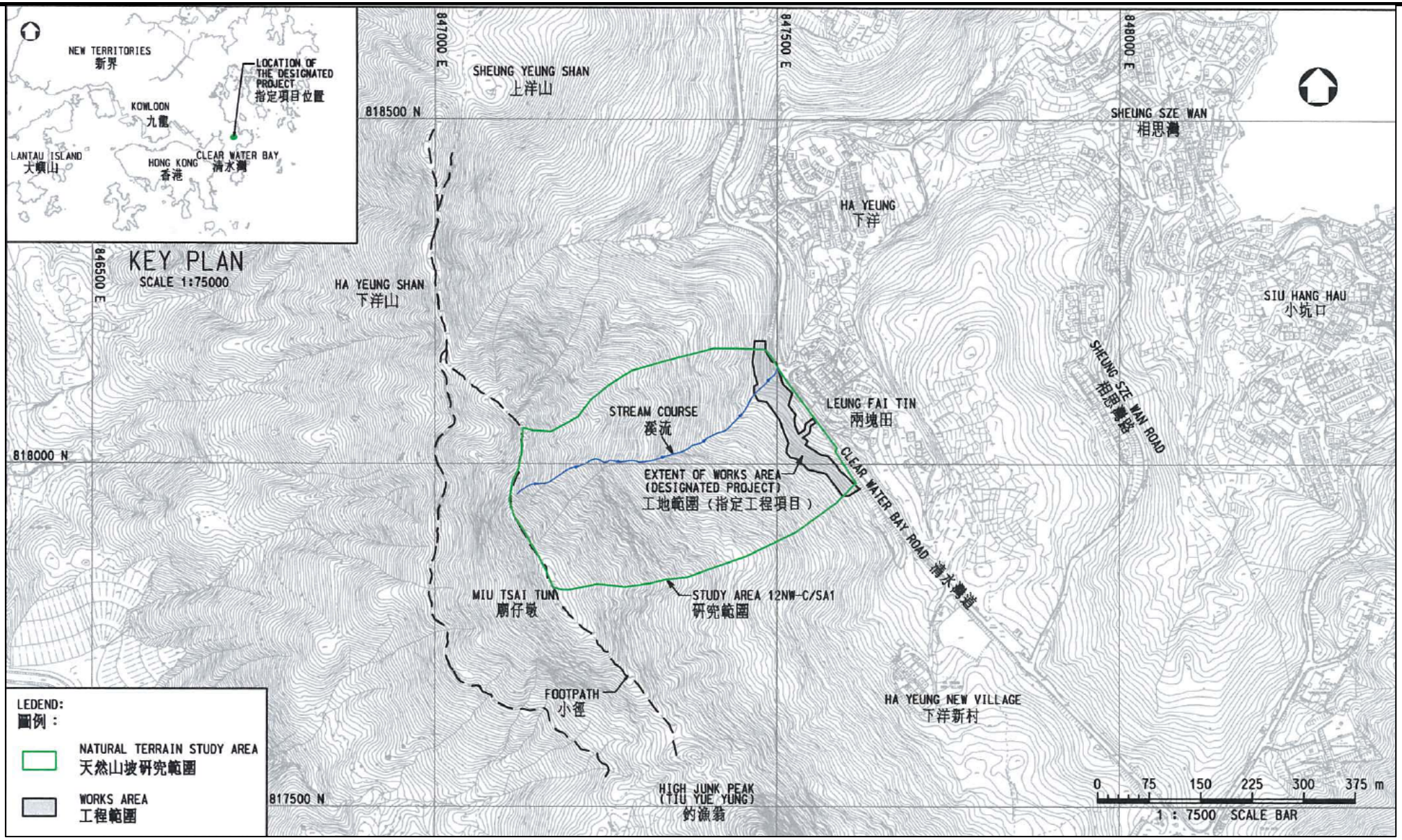
3.1.1 During the reporting period, erection of scaffolding and foundation works of the flexible barriers were carried out. The Contractor was reminded to provide protective measures to all *Aquilaria sinensis* and *Pavetta hongkongensis* (香港大沙葉) and retained in-situ. Follow up actions are required.

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)

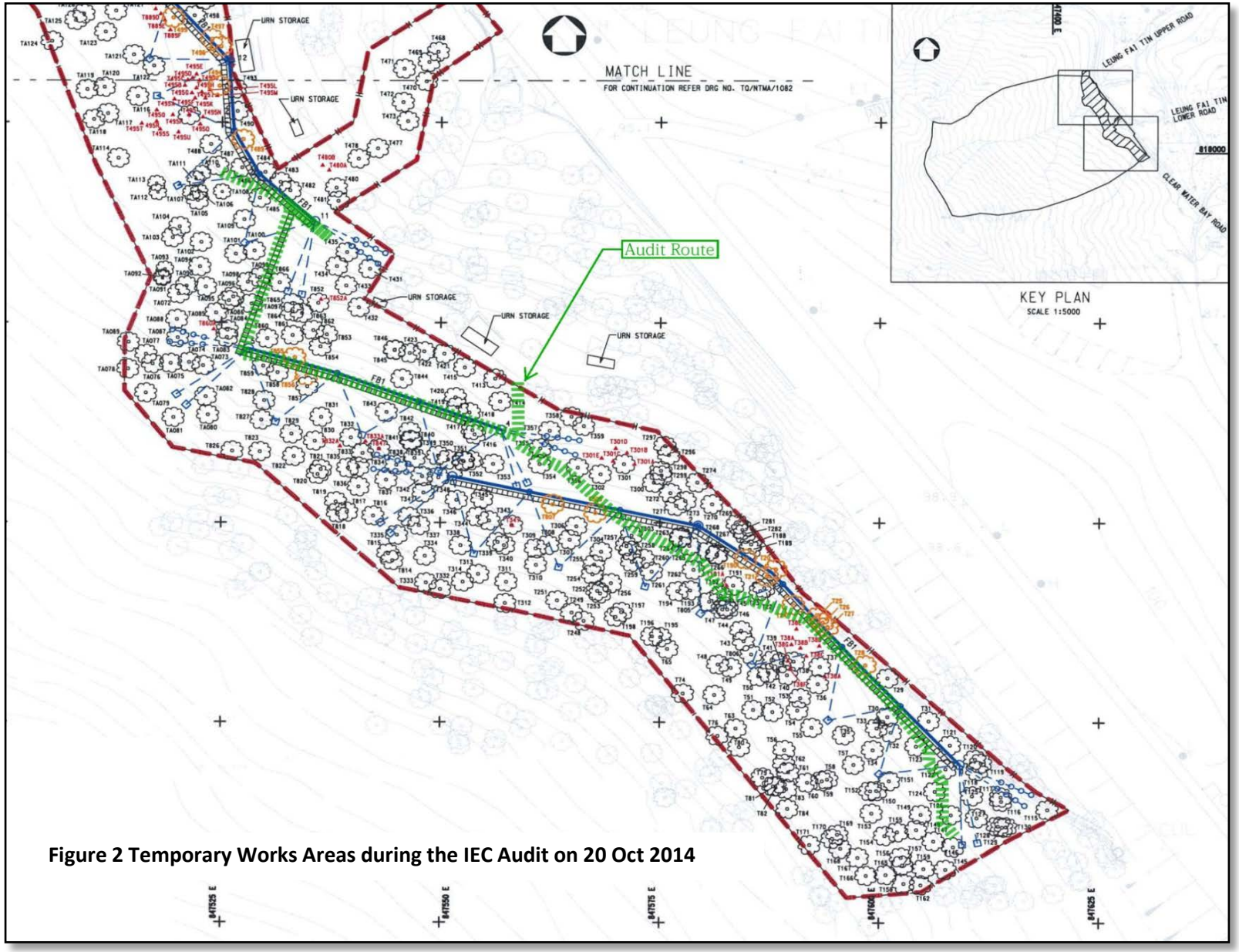


Figure 2 Temporary Works Areas during the IEC Audit on 20 Oct 2014

Appendix A
Environmental Inspection Checklist

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Building a world of difference.

Contract No. GE/2013/16
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)
Environmental Inspection Checklist

Checklist Number: GE/2013/16_No. 9

Project: Contract No. GE/2013/16
Leung Fai Tin along Clear Water Bay Road
Study Area: 12NW-C/SA1 (Study Area H)

Inspection Date: 20 October 2014

Time:

Inspected by:

IEC's Representative: Ms. Esther Tong

RE's Representative: Mr. Felix Siu

ET's Representative: -

Contractor's Representative: Mr. Victor Cheng

PART A: GENERAL INFORMATION

Weather: [ ] Sunny [ ] Haze [ ] Cloudy [ ] Rainy [x] Fine

Temperature: 28 °C

Humidity: [ ] High [X] Moderate [ ] Low

Wind: [ ] Strong [X] Breeze [ ] Light [ ] Calm

Major Construction Works Observed
Erection of scaffolding and set up of the flexible barrier alignment were carried out.

PART B: SITE AUDIT

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
Section 1: Construction Noise						
1.01	Are noisy equipment and activities positioned as far as practicable from the sensitive receivers?	[x]	[ ]	[ ]	[ ]	
1.02	Is silenced equipment adopted?	[ ]	[x]	[ ]	[ ]	
1.03	Is idle equipment turned off or throttled down?	[ ]	[x]	[ ]	[ ]	
1.04	Are plant and equipment kept to a minimum?	[ ]	[x]	[ ]	[ ]	
1.05	Is parallel use of noisy equipment / machinery avoided?	[ ]	[x]	[ ]	[ ]	
1.06	Are all plant and equipment well maintained and in good condition?	[ ]	[x]	[ ]	[ ]	
1.07	Are noise barriers or enclosures provided at areas where construction activities cause noise impact on sensitive receivers?	[x]	[ ]	[ ]	[ ]	
1.08	Are hand held breakers fitted with valid noise emission labels during operation?	[x]	[ ]	[ ]	[ ]	
1.09	Are air compressors fitted with valid noise emission labels during operation?	[x]	[ ]	[ ]	[ ]	
1.10	Are flaps and panels of mechanical equipment closed during operation?	[x]	[ ]	[ ]	[ ]	
1.11	Are Construction Noise Permit(s) applied for general construction works during restricted hours?	[x]	[x]	[ ]	[ ]	
1.12	Are valid Construction Noise Permit(s) displayed on the construction site?	[x]	[ ]	[ ]	[ ]	

Checklist Number: GE/2013/16_No. 9

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
Section 2: Air Quality						
2.01	Are the excavated materials sprayed with water during handling?	☒	☐	☐	☐	
2.02	Are stockpiles of dusty materials sprayed with water, covered or placed in sheltered areas?	☒	☐	☐	☐	
2.03	Is the exposed earth properly treated within six months after the last construction activities?	☒	☐	☐	☐	
2.04	Is the surface where any drilling, cutting, polishing or breaking operation continuously sprayed with water?	☒	☐	☐	☐	
2.05	Are de-bagging, batching and mixing processes carried out in sheltered areas during the use of bagged cement?	☒	☐	☐	☐	
2.06	Are there any fencing provided along the site boundary, which adjoins areas accessible to the public?	☐	☒	☐	☐	

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
Section 3: Water Quality						
3.01	Is the discharge of turbid water avoided?	☒	☐	☐	☐	
3.02	Are there proper desilting facilities in the drainage systems to reduce SS levels in effluent?	☒	☐	☐	☐	
3.03	Are there channels, sandbags or bunds to direct surface run-off to sedimentation tanks?	☒	☐	☐	☐	
3.04	Are there any perimeter channels provided at site boundaries to intercept storm runoff from crossing the site?	☒	☐	☐	☐	
3.05	Are the maintenance access and/or anchor built within the stream?	☒	☐	☐	☐	
3.06	Are temporary exposed slopes properly covered?	☒	☐	☐	☐	
3.08	Are earthworks final surfaces well compacted or protected?	☒	☐	☐	☐	
3.09	Are there any procedures and equipment for rainstorm protection?	☒	☐	☐	☐	
3.10	Are the vehicle and plant servicing areas paved and located within roofed areas?	☒	☐	☐	☐	
3.11	Is the oil leakage or spillage avoided?	☒	☐	☐	☐	
3.12	Are there any measures to collect spilt cement and concrete washings during concreting works?	☒	☐	☐	☐	
3.13	Are the oil interceptors/grease traps maintained properly?	☒	☐	☐	☐	
3.14	Concreting wastes water should be neutralized below the pH Action Levels before discharge.	☒	☐	☐	☐	
3.15	Mobile toilets should provide on-site and located away the stream course.	☒	☐	☐	☐	
3.16	License collector should be employed for handling the sewage of mobile toilet.	☒	☐	☐	☐	

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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
Section 4: Ecology						
4.01	Are the maintenance access and/or anchor built within the stream?	☒	☐	☐	☐	
4.02	Is there any opening (at least 0.5m allowed) between the stream bed and the bottom of the flexible barrier provide?	☒	☐	☐	☐	
4.03	Are protected plants species are retained in-situ?	☐	☒	☐	☐	
4.04	Is there any tree pruning to damage the preserved trees?	☒	☐	☐	☐	
4.05	Are all *Aquilaria sinensis* (85 nos.) and *Pavetta hongkongensis* (10 nos.) retained in-situ and fenced off?	☐	☒	☐	☐	22 of them were checke
4.06	Are there any tagged provided at retained in-situ trees?	☐	☒	☐	☐	
4.07	Are all retained trees closed to the construction works providing protective wrapping properly to minimize the damage?	☐	☒	☐	☐	
4.08	Are only 25 nos. of non-protected trees are felled?	☒	☐	☐	☐	
4.09	Are any native light standard trees provided as compensatory planting (ratio 1:3)?	☒	☐	☐	☐	
4.10	Are the proposed compensatory trees planting native and shade-tolerant trees species according to the recommendation of Project Profile?	☒	☐	☐	☐	
4.11	Is the positioning the alignment has minimum 1.5m in radius away from the alignment?	☒	☐	☐	☐	
4.12	Any induction training course to all site personnel (both supervision staff and workers) to brief the persevered trees location and importance?	☐	☒	☐	☐	
4.13	Any adjustment of the foundation of flexible barriers and staircases to avoid the damage of root systems of existing trees?	☐	☒	☐	☐	
4.14	Is there any re-vegetation area to compensate the temporary loss of 200m² (due to temporary access) understorey area?	☒	☐	☐	☐	
4.15	Is there any re-vegetation area to compensate the permanent loss of 200m² (due to maintenance access and anchor) understorey area?	☒	☐	☐	☐	

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
Section 5: Landscape and Visual						
5.01	Is the landscape design including the compensatory planting follow GEO Publication No. 1/2011?	☒	☐	☐	☐	
5.02	Is there any erecting of hoarding to minimize the unsightly construction activities?	☐	☒	☐	☐	
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?	☐	☒	☐	☐	
5.04	Any utilization of existing trees located in fornt of hte flexible barrier as natural screening?	☒	☐	☐	☐	
5.05	Any provision Pit-planting of native light standard trees and planting of climbers in front of the fence to provided screening effect?	☒	☐	☐	☐	
5.06	Is the dark colour of the flexible barrier used?	☒	☐	☐	☐	

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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?	☒	☐	☐	☐	
5.08	Are the maintenance accesses apply masonry finished to blend with surroundings?	☒	☐	☐	☐	

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
Section 6: Waste Management						
6.01	Has the Waste Management Plan prepared according to ETWB TC(W) No. 19/2005 and submit to Engineer?	☒	☐	☐	☐	
6.02	Are receptacles available for general refuse collection?	☒	☐	☐	☐	
6.03	Is general refuse sorting or recycling implemented?	☒	☐	☐	☐	
6.04	Is general refuse disposed of properly and regularly?	☒	☐	☐	☐	
6.05	Is the Contractor registered as a chemical waste producer?	☒	☐	☐	☐	
6.06	Are the chemical waste containers properly labelled?	☒	☐	☐	☐	
6.07	Are the chemical wastes stored in proper storage areas?	☒	☐	☐	☐	
6.08	Is the chemical waste storage area properly labelled?	☒	☐	☐	☐	
6.09	Is the chemical waste storage area used for storage of chemical waste only?	☒	☐	☐	☐	
6.10	Are incompatible chemical wastes stored in different areas?	☒	☐	☐	☐	
6.11	Are the chemical wastes disposed of by licensed collectors?	☒	☐	☐	☐	
6.12	Are trip tickets for chemical wastes disposal available for inspection?	☒	☐	☐	☐	
6.13	Are chemical/fuel storage areas bunded?	☒	☐	☐	☐	
6.14	Are designated areas identified for storage and sorting of construction wastes?	☒	☐	☐	☐	
6.15	Are construction wastes sorted (inert and non-inert) on site?	☒	☐	☐	☐	
6.16	Are construction wastes reused?	☒	☐	☐	☐	
6.17	Are construction wastes disposed of properly?	☒	☐	☐	☐	
6.18	Are site hoardings and signboards made of durable materials instead of timber?	☒	☐	☐	☐	
6.19	Is trip ticket system implemented for the disposal of construction wastes and records available for inspection?	☒	☐	☐	☐	
6.20	Are appropriate procedures followed if contaminated material exists?	☒	☐	☐	☐	
6.21	Is relevant license/ permit for disposal of construction waste or excavated materials available for inspection?	☒	☐	☐	☐	
6.22	Site cleanliness and appropriate waste management training had provided for the site workers.	☒	☐	☐	☐	

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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
Section 7: Licence						
7.01	Is relevant Environmental Permit posted at all vehicle site entrances/exits?	☐	☒	☐	☐	
7.02	Any N/C of EP condition?	☒	☐	☐	☐	

Section 8: Follow-up of the previous monthly environmental audit on date 23 Sept 2014 **(Checklist No. GE/2013/16_No. 8)**

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 4.03 improved / rectified? obs 1	☐	☒	☐	☐	photo 1
8.02	Is the situation in item 4.07 improved / rectified? obs 2	☐	☒	☐	☐	photo 2
8.03	Is the situation in item 7.07 improved / rectified? obs 3	☐	☒	☐	☐	photo 3
8.04	Is the situation in item _____ improved / rectified?	☐	☐	☐	☐	
8.05	Is the situation in item _____ improved / rectified?	☐	☐	☐	☐	

Checklist Number: **GE/2013/16_No. 9**

Remarks / Observations:

Nil

Signature:

IEC's Representative	*RE's representative*	*ET's representative*	*Contractor's representative*
Name: Ms. Esther Tong	Name: Mr. Felix Siu	Name: NIL	Name: Mr. Victor Cheong
Date: 20 Oct 2014	Date: 21 Oct 2014	Date: -	Date: 21 Oct 2014

Checklist Number: **GE/2013/16_No. 9**

Previous IEC audit (23 Sept 2014) Observation 1 It was observed that one of the existing trees near to the works area was not fencing off properly. The Contractor shall provide protective measures to prevent tree damage during construction.	Follow up action 1 The Contractor provided fencing at the tree groups to tree prevent damage. 
Previous IEC audit (23 Sept 2014) Observation 2 It is observed that one of the *Aquilaria sinensis* (土沉香) (Tree No. 480A) is not properly fenced off and protected. According to the Project Profile, each individual of *Aquilaria sinensis* and *Pavetta hongkongensis* (香港大沙葉) within the works area of the Project shall be retained in-situ, tagged and fenced off either in groups or individually to prevent being damaged/disturbed during construction. The Contractor shall provide all required protected measures to all *Aquilaria sinensis* and *Pavetta hongkongensis* (香港大沙葉) and retained in-situ.	Follow up action 2 The Contractor provided fencing at T480A with tree tag to prevent tree damage. 

Checklist Number: **GE/2013/16_No. 9**

Previous IEC audit (23 Sept 2014) Observation 3	Follow up action 3
Temporary access was formed for material and equipment transportation. It was noted that the temporary access was outside the works area. The Contractor will assist to rectify and carry out remediation work subject to agreement with CEDD and the Engineer.	Temporary access was fenced off.