Maeda Corporation

Castle Peak Road Improvement Between Sham Tseng and Ka Loon Tsuen, Tsuen Wan West Contract No. HY/99/18

Quarterly Environmental Monitoring and Audit Summary Report November 2003 to January 2004

**First Issue** 

Maeda Corporation

# West Contract No. HY/99/18 Castle Peak Road Improvement Between Sham Tseng and Ka Loon Tsuen, Tsuen Wan

Environmental Monitoring and Audit

Quarterly Environmental Monitoring and Audit Summary Report

November 2003 to January 2004

February 2004

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16 February 2004

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Consulting

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For attention of: Mr. Sam Tsoi

Dear Mr. Tsoi

## Contract HY/2000/02 East Contract Castle Peak Road Improvement between Area 2 and Ting Kau, Tsuen Wan Quarterly EM&A Report (Nov 03 – Jan 04)

We refer to the electronic version of the captioned report submitted by your Mr. Laurent Cheung via e-mail on 10 February 2004 and subsequent submission. We have no further comment and endorse the report.

Please do not hesitate to contact the undersigned on 2911-2719 if you wish to discuss any further issues.

Yours sincerely

Coleman Ng Project Manager HYDER CONSULTING LIMITED

cc MHJV China State Attention: Mr. Paul Appleton Attention: Mr. Ben Siu

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CN/TKP



# ARUP

# **Document Verification**

Page 1 of 1

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# **ABBREVIATIONS AND ACTONYMS**

A/L	Action or Limit Levels
AQO	Air Quality Objectives
Arup	Ove Arup & Partners Hong Kong Limited
ASR	Area Sensitive Rating
B&K	Brüel & Kjær
CFM	Cubic Feet per Minute
CNP	Construction Noise Permit
СТ	Contractor
DO	Dissolved Oxygen
DGPS	Differential Global Positioning System
EA	Environmental Auditor
EIA	Environmental Impact Assessment
EM&A	Environmental Monitoring and Audit
EP	Environmental Permit
EPD	Environmental Protection Department
ER	Engineer / Engineer's Representative
ET	Environmental Team
HKPSG	Hong Kong Planning Standards and Guidelines
HKSAR	Hong Kong Special Administrative Region
HOKLAS	The Hong Kong Laboratory accreditation Scheme
HVS	High Volume Sampler
IEC	International Electrotechnical Commission Publications
Κ	Degrees Kelvin
MC	Maeda Corporation
MHJV	Mouchel Halcrow Joint Venture
NAMAS	National Measurement accreditation Service
NTU	Nephelometric Turbidity Unit
NSR	Noise Sensitive Receiver
SCFM	Standard Cubic Feet per Minute
SS	Suspended Solids
TSP	Total Suspended Particulates
Tby	Turbidity

# EXECUTIVE SUMMARY

This is the eighth quarterly environmental monitoring and audit (EM&A) summary report summarising the site inspection findings, air quality, noise impact and landscape and visual monitoring and audit works for the period from November 2003 to January 2004.

Monitoring works included air quality monitoring at 9 locations and noise monitoring at 13 locations. Air quality was recorded in terms of 1-hour Total Suspended Particulates (TSP) and 24-hour TSP. Noise was measured in terms of  $L_{eq(30min)}$  with  $L_{10}$  and  $L_{90}$  measurements as references.

# Air Quality

The highest 1-hour TSP level was  $292.8\mu g/m^3$  recorded at Tsing Lung Tau Tin Hau Temple (WA6) on 17 December 2003 while 6 January 2004 and the lowest 1-hour TSP level was  $122.6\mu g/m^3$  recorded at G/F of Hong Kong Garden Between Blocks 1 & 2 (WA4) on 23 December 2003. There was no exceedance on Action and Limit Levels in the reporting period.

The highest 24-hour TSP level was  $237.3\mu g/m^3$  recorded at Sea Crest Villa Phase 3 Block 8 (WA8) on 27 December 2003 while the lowest 24-hour TSP level was  $34.5\mu g/m^3$  recorded at Hong Kong Garden Regent Heights (WA3) on 15 January 2004. Exceedances on Action Level were recorded at Sea Crest Villa Phase 3 Block 8 (WA8) on 27 December 2003, and at Hong Kong Garden between Blocks 1 & 2 (WA4), Hong Kong Garden Block 4 (WA5), and Tsing Lung Tau Tin Hau Temple (WA6) on 3 January 2004. These exceedances were mainly due to the poor weather condition in the territory other than the construction site. Upon the implementation of mitigation measures, no further exceedance was recorded in the subsequent air quality monitoring.

# <u>Noise</u>

The highest noise level was 74.8dB(A) recorded at House 1, Tsing Lung Tau Village (WN9) on 19 November 2003 and 17<sup>th</sup> and 30<sup>th</sup> December 2003 while the lowest noise level was 64.5dB(A) recorded at Sea Crest Villa Phase 4 (WN12) on 1 December 2003 and Hong Kong Garden Block 4 (WN8) on 28 January 2004. There was no exceedance on the A/L Levels during the monitoring period.

# Marine Water Quality

As reported by the Contractor, major sea works at level below +2.5mPD had been completed in July 2003. The proposal on suspension of marine monitoring was submitted to IC(E), HyD, EPD and AFCD for comments on 25 September 2003. It was confirmed with IC(E) and AFCD that suspension of marine monitoring was acceptable if there is no "active" marine work being carried out. In future, if there is any marine work on or below +2.5mPD, the Contractor shall notify the relevant parties one month in advance and resume the marine monitoring. Subsequently, as instructed by the Contractor/ HyD, the marine monitoring was suspended since 10 October 2003.

# Landscape and Visual

A total of 6 times of the landscape and visual monitoring and audits had been carried out in the reporting period by a Registered Landscape Architect. Frequently watering and tidying up of the construction site had been suggested after the landscape and visual monitoring and audits. The CT was informed of the recommendations for action.

# Waste Disposal

A total of 52 loads of Construction & Demolition (C&D) waste had been disposed of at WENT Landfill in the reporting period. A total of 2,557 loads of C&D fill materials (Public Fill) had been disposed of at Public Filling Area in Tuen Mun by dump trucks in the reporting period. There was no chemical waste collected by licensed collector in the reporting period.

#### **Complaint Records**

A total of 3 environmental complaints were received in the reporting period. Two of these were related to water quality impacts from the muddy water on the beach opposite to Sea Crest Villa Phase III and ponding of foul water at the footway in front of Sham Tseng Latrine. The third one was concerned about construction noise during early hours of 8:00am. All had been solved after investigation.

#### Non-compliance

There were four exceedances on Action Level of 24-hour TSP monitoring, and there was one documented complaint regarding construction noise which had triggered the Action Level of construction noise.

# **Comments**

The environmental performance of the CT during the reporting period was acceptable. Upon advised by the ET, remedial measures had been taken to mitigate the environmental impacts caused by the construction activities. EM&A programme had been conducted as planned in the reporting period.

# 1. INTRODUCTION

Ove Arup & Partners Hong Kong Limited (Arup) was appointed by the Contractor -Maeda Corporation (MC) as the Environmental Team (ET) for *Contract No. HY/99/18 Castle Peak Road Improvements between Sham Tseng and Ka Loon Tsuen, Tsuen Wan* (hereafter called the "Project"). Environmental parameters including air quality, construction noise, water quality and landscape & visual issues were selected for impact monitoring for the Project. The contract period of the Project are anticipated as 36 months from December 2001 to November 2004.

# 1.1 **Project Background**

The Castle Peak Road improvements works consists of upgrading the existing Castle Peak Road to provide a dual two-lane carriageway of "Rural Road A" classification between Area 2, Tsuen Wan and Ka Loon Tsuen, and all associated utility, junction and pedestrian facilities. The Castle Peak Improvement project is divided into three contracts. This Environmental Monitoring and Audit (EM&A) exercise only concerns the West Contract No. HY/99/18 between Sham Tseng and Ka Loon Tsuen, Tsuen Wan. Figure 1-1 shows the site location plan.

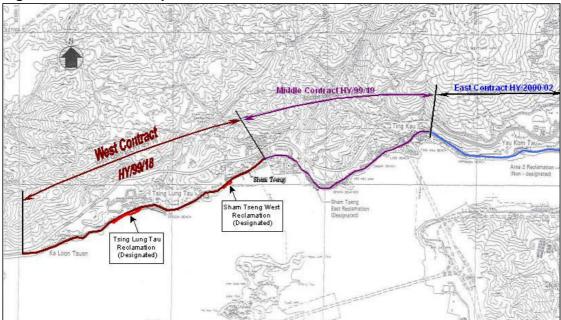


Figure 1-1 Site location plan

The scope of the construction work includes:

- Improvement to Castle Peak Road between Area 2 and Ka Loon Tsuen, Tsuen Wan to a dual two-lane carriageway;
- Provision of pedestrian facilities in the form of footpaths, subways, footbridges and Crossings;
- Road junction and signal design and the re-provision of access roads and connections to existing road networks;
- Construction of associated drainage and landscaping works;
- Environmental mitigation measures;
- Design and construction of watermains;
- Construction of entrusted sewerage works; and
- Dredging and reclamation (designated project see also Section 1.2)

# 1.2 Designated Project

The marine reclamation and the construction of the associated seawall at Tsing Lung Tau and Sham Tseng West within Contract No. HY/99/18 are classified as designated projects under the Environmental Permits No. EP-093/2001 and EP-094/2001 respectively.

# 1.3 Impact EM&A Requirements

The impact environmental monitoring and audit included air quality monitoring (both 1-hour and 24-hour TSP), noise, water quality, landscape and visual monitoring, and environmental audit.

# 1.4 Purpose of the Report

The purpose of the quarterly EM&A summary report is to summarise and provide the information on monitoring methodology, monitoring results, environmental permit status, site audit findings, recommendations and conclusions for the period from November 2003 to January 2004.

# 2. ENVIRONMENTAL STATUS

# 2.1 Construction Programme

The construction work was commenced in February 2002. The updated construction programme is given in Appendix A.

# 2.2 Construction Activities of the Quarter

The major construction activities carried out by the Contractor (CT) in the reporting period included excavation, rock breaking, rock drilling, chemical blasting and hydroseeding for slope formation, bored piling, construction of outfalls and base-slab; and installation of retaining walls and filling of sub-base.

The major sea works at level below +2.5mPD had been completed in July 2003.

# 3. SUMMARY OF EM&A REQUIREMENTS

Air quality, construction noise, marine water quality and landscape issues are significant environmental impacts identified for the construction period of the project. In accordance with the Project specific EM&A Manual<sup>[1]</sup>, air quality, noise, water quality, landscape impact monitoring, and audit shall be performed by an ET at all specified monitoring locations during the construction and operational stages.

# 3.1 Air Quality Monitoring

#### 3.1.1 Monitoring Parameters

Air monitoring was measured in terms of the TSP levels for both 24-hour and 1-hour periods.

#### 3.1.2 Monitoring Frequency

24-hour TSP and 1-hour TSP levels were monitored during the course of construction according to the EM&A Manual. The monitoring parameters and frequencies are specified in Table 3-1.

Parameters	Monitoring Frequency	Time Period	No. of measurement for each monitoring
24-hour TSP	Once every six days	0000 - 2400	1
1-hour TSP	Three times per every six days	0700 - 1900	1

Table 3-1 TSP monitoring parameters and frequency

#### 3.1.3 Monitoring Locations

A total of eleven locations were specified for the air quality monitoring and they are given in Table 3-2 and presented in Figures 3-1a to 3-1d.

Air Monitoring Station No.	Location	Location description
WA1	Bayside Villas	G/F, Bayside Villas-(Temporary Suspended)
<del>WA2</del>	Grand Bay Villas	G/F, Grand Bay Villas (Temporary Suspended)
WA3	Hong Kong Garden	G/F, Hong Kong Garden (Regent Heights)
WA4	Hong Kong Garden	G/F, Hong Kong Garden (Between Blk 1 & 2)
WA5	Hong Kong Garden	G/F, Hong Kong Garden (Block 4)
WA6	Tsing Lung Tau Tin Hau Temple	G/F, Tsing Lung Tau Tin Hau Temple
WA7	Sea Crest Villa	Podium, Sea Crest Villa (Phase 4 Block 12)
WA8	Sea Crest Villa	Podium, Sea Crest Villa (Phase 3 Block 8)
WA9	Sea Crest Villa	Car Park (L3), Sea Crest Villa (Phase 2 Block 6)
WA10	Sea Crest Villa	Podium, Sea Crest Villa (Phase 1 Block 1)
WA11	Lido Garden	G/F, Carpark, Lido Garden Tower 1

# Table 3-2 Air quality monitoring locations

**Note:** Bayside Villas (WA1) and Grand Bay Villas (WA2) are no longer the air sensitive receivers as all residents of Bayside Villas and Grand Bay Villas had been evacuated since September 2002. Therefore, the air quality monitoring at Bayside Villas and Grand Bay Villas were temporary suspended since October 2002 after approval from IC(E) and EPD.

# 3.2 Construction Noise Monitoring

#### 3.2.1 Monitoring Parameters

Construction noise monitoring was measured in terms of the A-weighted equivalent continuous sound pressure level  $(L_{eq})$ .  $L_{10}$  and  $L_{90}$  will also be recorded as supplementary reference information for data auditing.

#### 3.2.2 Monitoring Frequency

Construction noise measurements were required to be taken on a weekly basis according to the EM&A Manual. The monitoring time periods, monitoring parameters and frequency are specified in Table 3-3.

Time Period (when construction activity is found)	Parameters	Monitoring Frequency	No. of Measurements for Each Monitoring
Between 0700-1900 hours on normal weekdays	Leq(30 min)		1
Between 1900-2300 hours on normal weekdays		Once per	
Between 2300-0700 hours of next day	$L_{eq(5 min)}^{*}$	week	3 (consecutive)
Between 0700-1900 hours on holidays			

#### Table 3-3 Construction noise monitoring parameters and frequency

**Remarks:** \* The L<sub>eq(5 min)</sub> will only be measured if construction activities are conducted in holidays and between the period of 1900 and 0700 hours during normal weekdays.

#### 3.2.3 Monitoring Locations

A total of sixteen noise monitoring locations were specified. They are given in Table 3-4 and presented in Figures 3-1a to 3-1d. The measurements shall be taken at a position 1m from the exterior of building façade and at a position of 1.2m above ground.

Noise Monitoring Station No.	Location	Monitoring Point
WN1	Ka Loon Tsuen	House No.3, Ka Loon Tsuen
WN2	Ka Loon Tsuen	House No.15, Ka Loon Tsuen
WN3	Bayside Villas	Upper G/F, Bayside Villas (Temporary Suspended)
WN4	Bayside Villas	Lower G/F, Bayside Villas (Temporary Suspended)
WN5	Grand Bay Villas	G/F, Grand Bay Villas (Temporary Suspended)
WN6	Hong Kong Garden	G/F, Hong Kong Garden (Regent Heights)
WN7	Hong Kong Garden	G/F, Hong Kong Garden (Between Blk 1 & 2)
WN8	Hong Kong Garden	G/F, Hong Kong Garden (Block 4)
WN9	Tsing Lung Tau Village	House 1, Tsing Lung Tau Village
WN10	Tsing Lung Tau Village	House 60-64, Tsing Lung Tau Village
WN11	Villa Alfavista	G/F, Villa Alfavista
WN12	Sea Crest Villa	Podium, Sea Crest Villa (Phase 4 Block 12)
WN13	Sea Crest Villa	Podium, Sea Crest Villa (Phase 3 Block 8)
WN14	Sea Crest Villa	Car Park (L3), Sea Crest Villa (Phase 2 Block 6)
WN15	Sea Crest Villa	Podium, Sea Crest Villa (Phase 1 Block 1)
WN16	Lido Garden	G/F, Carpark, Lido Garden Tower 1

 Table 3-4
 Construction noise monitoring locations

**Note:** Bayside Villas (WN3 and WN4) and Grand Bay Villas (WN5) are no longer the noise sensitive receivers as all residents of Bayside Villas and Grand Bay Villas had been evacuated since September 2002. Therefore, the noise monitoring at Bayside Villas and Grand Bay Villas were temporary suspended since October 2002 after approval from IC(E) and EPD.

# 3.3 Water Quality (Designated Project)

#### 3.3.1 Monitoring Parameters

Water quality monitoring includes Turbidity (Tby) in the unit of NTU, Dissolved Oxygen (DO) in the unit of mg/L and Suspended Solids (SS) in the unit of mg/L. In addition to the water quality parameters, other relevant data, such as monitoring location/position, time, water depth, water temperature, salinity, DO saturation, weather conditions, sea conditions, tidal stage will be recorded including any special phenomena, work underway at the construction site, etc.

#### 3.3.2 Monitoring Frequency

Water quality monitoring during the impact stage will be conducted thrice per week, during mid-flood and mid-ebb tides and at sixteen designated sampling locations. The interval between two sets of monitoring will not be less than 36 hours except where exceedances above the Action Level or Limit Level were detected (see also section 3.4). In these cases, the monitoring frequency will be increased.

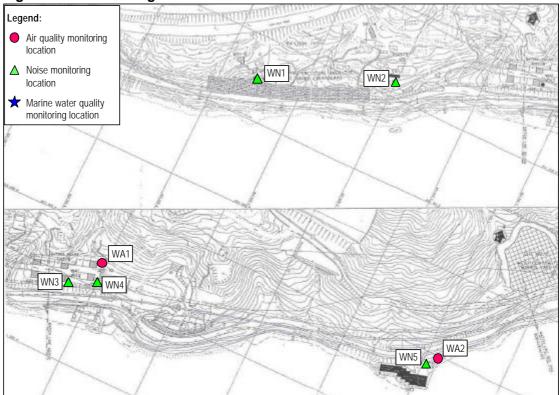
#### 3.3.3 Monitoring Locations

A total of sixteen locations, 9 for impact and 7 for control had been selected for marine water quality monitoring and the locations are given in Table 3-5 and presented in Figure 3-1b to 3-1e.

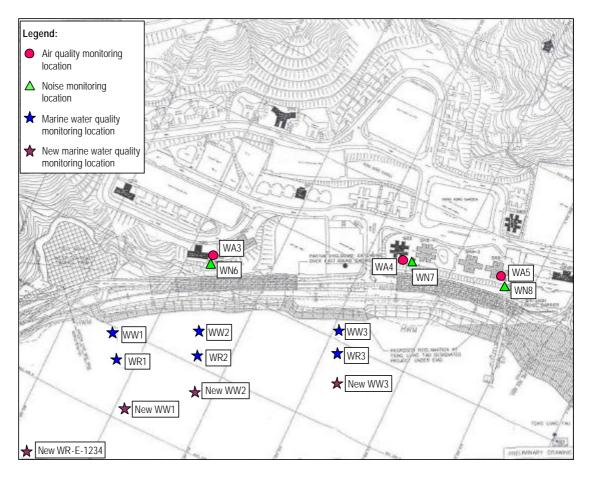
Water Monitoring S	tation No.	Loca	tion
Water Monitoring 3		Eastings	Northings
Tsing Lung Tau	WW1 (Impact Station)	822306	824405
	WW2 (Impact Station)	822377	824462
	WW3 (Impact Station)	822529	824500
	WW4 (Impact Station)	822775	824560
	WR-E-1234 (Control Station for Mid-Ebb Tide)	822204	824312
	WR-F-1234 (Control Station for Mid-Flood Tide)	822850	824519
Angler's Beach:	WW5 (Impact Station)	823700	824905
Sham Tseung West	WW6/7 (Impact Station)	823797	824964
	WW8 (Impact Station)	823900	825023
	WR-E-5678 (Control Station for Mid-Ebb Tide)	823590	824830
	WR-F-5678 (Control Station for Mid-Flood Tide)	823994	825034
Ma Wan Fish Culture Zone	FCZ1 (Impact Station)	823500	823870

 Table 3-5
 Water quality monitoring locations

#### Figure 3-1a Monitoring locations



#### Figure 3-1b Monitoring locations



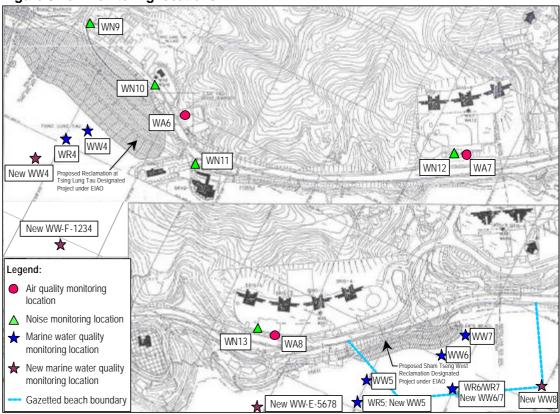
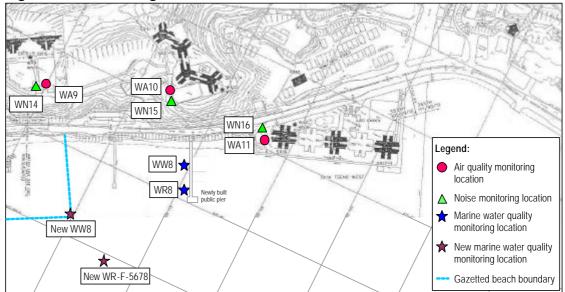
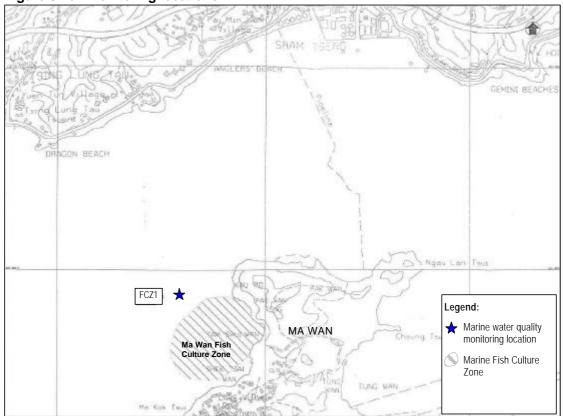


Figure 3-1c Monitoring locations

Figure 3-1d Monitoring locations





#### Figure 3-1e Monitoring locations

#### 3.4 Landscape and Visual Monitoring and Audit

#### 3.4.1 Audit Parameters

All landscape and visual mitigation measures undertaken by both the CT and the Landscape Contractor during the construction phase and during the first year of the operational phase were audited by a Registered Landscape Architect, to ensure compliance with the intended aims of the mitigation measures.

#### 3.4.2 Audit Frequency

The landscape and visual monitoring and audit was undertaken at least once every two weeks throughout the construction period and once every two months during the operational phase.

# 3.4.3 Audit Location

The landscape and visual monitoring and audit was conducted throughout the entire site area.

# 3.5 **Performance Limits and Event-Action Plans**

The monitoring results were checked against appropriate standards and requirements. A two-tier system performance limits had been established in the Project specific EM&A Manual. The "Action Level" and the "Limit Level" (A/L) are established according to the EPD requirements. ET, ER, IC(E), and CT will take corresponding actions in accordance with the Event-Action Plans if the monitoring results exceed the performance limits.

#### 3.5.1 Air Quality

The action and limit levels for air quality have been established during the baseline monitoring and are provided in Table 3-6.

Air Monitoring	1-hour TSP L	evel in $\mu$ g/m³	24-hour TSP L	_evel inµg/m³
Station No.	Action Level	Limit Level	Action Level	Limit Level
WA1	350		187	
WA2	362		192	
WA3	353		190	
WA4	362		187	
WA5	346		185	
WA6	362	500	204	260
WA7	351		187	
WA8	347		188	
WA9	345		182	
WA10	352		183	
WA11	357		195	

 Table 3-6
 Action and Limit Level for air quality

Table 3-7 details the actions required to be carried out by different parties in case of an exceedance of performance limits being detected.

#### Table 3-7 Event/Action plan for air quality

Ever	at.	· · · ·	Action		
Ever	п	ET Leader	IC(E)	ER	Contractor
Actio	n Level				
	Exceedance for one sample	<ol> <li>Identify the source.</li> <li>Inform the IC(E) and the ER.</li> <li>Repeat measurement to confirm finding.</li> <li>Increase monitoring frequency to daily.</li> </ol>	<ol> <li>Check monitoring data submitted by the ET Leader.</li> <li>Check Contractor's working method.</li> </ol>	1. Notify Contractor.	<ol> <li>Rectify any unacceptable practice.</li> <li>Amend working methods if appropriate.</li> </ol>
	Exceedance for two or more consecutive samples	<ol> <li>Identify the source.</li> <li>Inform the IC(E) and the ER.</li> <li>Repeat measurements to confirm findings.</li> <li>Increase monitoring frequency to daily.</li> <li>Discuss with the IC(E) and the Contractor on remedial actions required.</li> <li>If exceedance continues, arrange meeting with the IC(E) and the ER.</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Check monitoring data submitted by the ET Leader.</li> <li>Check the Contractor's working method.</li> <li>Discuss with the ET Leader and the Contractor on possible remedial measures.</li> <li>Advise the ER on the effectiveness of the proposed remedial measures.</li> <li>Supervisor implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> <li>Ensure remedial measures properly implemented.</li> </ol>	<ol> <li>Submit proposals for remedial actions to IC(E) within 3 working days of notification.</li> <li>Implement the agreed proposals.</li> <li>Amend proposal if appropriate.</li> </ol>
Limit	Level				
	Exceedance for one sample	<ol> <li>Identify the source.</li> <li>Inform the ER and the EPD.</li> <li>Repeat measurement to confirm finding.</li> <li>Increase monitoring frequency to daily.</li> <li>Assess effectiveness of Contractor's remedial actions and keep the IC(E), the EPD and the ER informed of the results.</li> </ol>	<ol> <li>Check monitoring data submitted by the ET Leader.</li> <li>Check he Contractor's working method.</li> <li>Discuss with the ET Leader and the Contractor on possible remedial measures.</li> <li>Advise the ER on the effectiveness of the proposed remedial measures.</li> <li>Supervisor implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> <li>Ensure remedial measures properly implemented.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance.</li> <li>Submit proposals for remedial actions to IC(E) within 3 working days of notification.</li> <li>Implement the agreed proposals.</li> <li>Amend proposal if appropriate.</li> </ol>
	Exceedance for two or more consecutive samples	<ol> <li>Notify the IC(E), the ER, the EPD and the Contractor.</li> <li>Identify the source.</li> <li>Repeat measurements to confirm findings.</li> <li>Increase monitoring frequency to daily.</li> <li>Carry out analysis of the Contractor's working procedures to determine possible mitigation to be implemented.</li> <li>Arrange meeting the IC(E) and the ER to discuss the remedial actions to be taken.</li> <li>Assess effectiveness of the Contractor's remedial actions and keep the IC(E), the EPD and the ER informed of the results.</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> <li>In consultation with the IC(E), agree with the remedial measures to be implemented.</li> <li>Ensure remedial measures are properly implemented.</li> <li>If exceedance continues, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance.</li> <li>Submit proposals for remedial actions to IC(E) within 3 working days of notification.</li> <li>Implement the agreed proposals.</li> <li>Resubmit proposals if problem still not under control.</li> <li>Stop the relevant activity of works as determined by the ER until the exceedance is abated.</li> </ol>

# 3.5.2 Construction Noise Impact

The action and limit levels for the construction noise have been established in accordance with the Baseline Monitoring Report<sup>[2]</sup> and are tabulated in Table 3-8.

Table 3-8         Action and Limit Levels for construction noise
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Time Period				Action	Limit	
0700 - 1900 hours on any day not being a Sunday or public holiday			not being a		75dB(A) <sup>(1)</sup>	
19:00 - 23:00 hours on all days and 07:00 - 23:00 on general holidays (including Sundays)		When one documented complaint is received	55 <sup>(2)</sup> / 70 <sup>(3)</sup>			
23:00 - 07:0	23:00 - 07:00 hours on all days				40(2) / 55(3)	
Remarks:	(1) (2)	For educational establishments the limit level shall be 70dB(A) and reduced to 65dB(A) during examination periods. Refers to the types of Plant regulated under the Technical Memorandum on Noise from				
	(3)	Construction Work in Designated Areas (DA-TM). Refers to the types of Plant regulated under the Technical Memorandum on Noise Other than Percussive Piling (GW-TM). Owing to the high background noise level recorded at WN5, WN9, and WN10, the noise impact monitoring results at these 3 locations will be corrected by its background using the following background correction equation: $L_{eq(30min)=}$ 10 log (10 <sup>m/10</sup> - 10 <sup>b/10</sup> ) as m= Measured $L_{eq(30min)}$ , b=Average Baseline $L_{eq(30min)}$ . Only up to the maximum of 3dB(A) is allowed to be deducted after the background correction.				
	(4)					

Table 3-9 details the actions required to be carried out by different parties in the case of an exceedance of performance limits being detected.

#### Table 3-9 Event/Action plan for construction noise

Event	Action							
Eveni	ET Leader	IC(E) ER	Contractor					
Action Level	<ol> <li>Notify the IC(E) and the Contractor.</li> <li>Carry out investigation.</li> </ol>	1. Review with analysed results submitted by the ET.         1. Confirm receipt of notification of failure in writing.	1. Submit noise mitigation proposals to IC(E).					
	<ol> <li>Report the results of investigation to the IC(E) and the Contractor.</li> </ol>	<ol> <li>Review the proposed remedial measures by the Contractor and advise the ER accordingly.</li> <li>Notify the Contractor.</li> <li>Require the Contractor to propose remedial measures for</li> </ol>	2. Implement noise mitigation proposals.					
	4. Discuss with the Contractor and formulate remedial measures.	<ol> <li>Supervise the implement of remedial measures.</li> <li>Ensure remedial measures are</li> </ol>						
	5. Increase monitoring frequency to check mitigation measures.	roperly implemented.						
Limit Level	1. Notify the IC(E), the ER, the EPD and the Contractor.	1. Discuss amongst the ER, the ET Leader and the Contractor on the of failure in writing.	1. Take immediate action to avoid further exceedance.					
3	2. Identify the source.	potential remedial actions. 2. Notify the Contractor.	2. Submit proposals for					
	<ol> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency.</li> </ol>	<ol> <li>Review the Contractor's remedial actions whenever necessary to assure their effectiveness and</li> <li>Require the Contractor to propose remedial measures for the propose remediate measu</li></ol>	remedial actions to IC(E) within 3 working days of notification.					
	<ol> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented.</li> </ol>	<ul> <li>advise the ER accordingly.</li> <li>3. Supervise the implementation of remedial measures.</li> <li>the analysed noise problem.</li> <li>4. Ensure remedial measures are properly implemented.</li> </ul>	3. Implement the agree proposals.					
6. 7.	<ul> <li>6. Inform the IC(E), the ER, and the EPD the causes &amp; actions taken for the exceedances.</li> </ul>	<ol> <li>If exceedance continues, consider what activity of the work is responsible and instruct</li> </ol>	control.					
	<ol> <li>Assess effectiveness of the contractor's remedial actions and keep the IC(E), the EPD and the ER informed of the results.</li> </ol>	the Contractor to stop that activity of work until the exceedance is abated.						
	8. If exceedance stops, cease additional monitoring							

# 3.5.3 Water Quality

The action and limit levels for the water quality have been established in accordance with the EM&A Manual and approved by EPD on 15 October 2002. EPD and IC(E) had agreed on 10 April 2003 to apply the "Direct Comparison" method for evaluation of the marine water quality exceedance. The A/L levels had been revised in April 2003 and are presented in Table 3-10.

Parameters		Monitoring Location				
Parame	lei S	WW1 to WW8		FC	Z1	
		Action Level	Limit Level	Action Level	Limit Level	
Mid-Eb	b		•			
DO (mg/L)	Surface & Middle	4.9	4.8	4.7	4.6	
(mg/L)	Bottom	4.8	4.8	4.0	4.0	
		17.0	23.4	For EPD: <b>12.9</b>	<u>For EPD</u> : <b>14.0</b>	
SS (mg/L) (Depth-averaged)				For AFCD: <b>12.9 and 120%</b> of upstream control station's SS at the same tide of the same day	For AFCD: <b>14.0 and 130%</b> of upstream control station's SS at the same tide of the same	
		12.0	13.6	<u>For EPD</u> : <b>9.1</b>	For EPD: 10.3	
Tby (NTU) (Depth-averaged)				For AFCD: 9.1 and 120% of upstream control station's Tby at the same tide of the same day	For AFCD: <b>10.3 and 130%</b> of upstream control station's Tby at the same tide of the same day.	
Mid-Flo	od					
DO (mg/l)	Surface & Middle	4.3	4.2	4.5	4.4	
(mg/L)	Bottom	4.3	4.1	4.1	4.1	
		25.3	28.7	For EPD: 23.3	For EPD: 25.9	
SS (mg/L) (Depth-averaged)				For AFCD: 23.3 and 120% of upstream control station's SS at the same tide of the same day	For AFCD: <b>25.9 and 130%</b> of upstream control station's SS at the same tide of the same	
Tby (NTU) (Depth-averaged) Notes: "Depth-aver		25.2	31.5	For EPD: <b>18.7</b>	For EPD: 22.3	
				For AFCD: <b>18.7 and 120%</b> of upstream control station's Tby at the same tide of the same day e arithmetic means of reading o	For AFCD: 22.3 and 130% of upstream control station's Tby at the same tide of the same day.	

 Table 3-10
 Action and Limit Levels of water quality

For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.

In order to better differentiate between exceedance caused by the contract works and elevated readings arising from causes unrelated to contract works, all parties had agreed to introduce a term "Reaching of Trigger Value" to represent the scenario

where the A/L levels were exceeded by the "Direct Comparison" evaluation method. Upon the detection of "Reaching of Trigger Value", an initial analysis would be carried out to determine whether it was caused by contract works. Exceedance and non-compliance should only be recorded in case where the "Reaching of Trigger Value" was caused by the contract works.

Table 3-11 details the actions required to be carried out by different parties in the case of water quality exceedance of performance limits being detected. The revised Event/Action Plan for water quality has been endorsed by IC(E) in May 2003, and will be finalised subject to agreement with EPD.

#### Table 3-11 Event/Action plan for water quality

Event	Action						
Lven	ET Leader	IC(E)	ER	Contractor			
Trigger Value							
<ol> <li>Trigger Value being surpassed for one sampling day</li> </ol>	<ol> <li>Repeat in-situ measurement to confirm findings.</li> <li>Conduct investigation to identify the source(s) of impact.</li> <li>Check monitoring data, all plant, equipment, mitigation measures and the Contractor's working methods.</li> <li>Inform the IC(E), ER, EPD, HyD, Contractor and AFCD (if required) the investigation results.</li> <li>If exceedance is confirmed as caused by the construction works, take relevant actions as detailed in "Action Level" and "Limit Level"</li> </ol>	<ol> <li>If exceedance is confirmed as caused by the construction works, take relevant actions as detailed in "Action Level" and "Limit Level"</li> </ol>	<ol> <li>If exceedance is confirmed as caused by the construction works, take relevant actions as detailed in "Action Level" and "Limit Level"</li> </ol>	<ol> <li>If exceedance is confirmed as caused by the construction works, take relevant actions as detailed in "Action Level" and "Limit Level"</li> </ol>			
Action Level							
<ol> <li>Action level being exceeded by one sampling day and is caused by the construction works</li> <li>Action level being exceeded by more than one consecutive days and is cause by the construction works</li> </ol>	<ol> <li>Discuss the current mitigation measures with the IC(E) and the Contractor.</li> <li>Pay attention on the monitoring results collected on the subsequent scheduled monitoring date to see if an exceedance, caused by the same or related construction works, is recurring.</li> <li>Discuss mitigation measures with the IC(E) and the Contractor.</li> <li>Ensure the proposed mitigation measures are implemented.</li> <li>Further evaluation of the monitoring results on the next scheduled monitoring day and report to all concerned parties, if the affected monitoring stations are still being affected (or are no longer affected) by the construction works.</li> <li>Prepare to increase the monitoring frequency to daily, if the Limit Level is exceeded as below.</li> </ol>	<ol> <li>Discuss with the ET Leader and the Contractor on the current mitigation measures.</li> <li>Assess the effectiveness of the current mitigation measures and advised the ER accordingly.</li> <li>Discuss with the ET Leader and the Contractor on the proposed mitigation measures.</li> <li>Review proposals on mitigation measures submitted by the Contractor and advised the ER accordingly.</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Discuss with the IC(E) on the current mitigation measures.</li> <li>Discuss with IC(E), the ET Leader and the Contractor on the proposed mitigation measures.</li> <li>Make agreement on the proposed mitigation measures to be implemented.</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Inform the ER and confirm notification of the exceedance in writing.</li> <li>Rectify unacceptable practice.</li> <li>Check all plants and equipment.</li> <li>Consider changes of working methods.</li> <li>Discuss with the ET Leader and the IC(E) on the current mitigation measures.</li> <li>Inform the ER and confirm notification of the consecutive exceedance in writing.</li> <li>Rectify unacceptable practice.</li> <li>Check all plants and equipment.</li> <li>Consider changes of working methods.</li> <li>Discuss with the ET Leader and the IC(E) and propose mitigation measures to the IC(E) and the ER within 3 working day.</li> <li>Implement the agreed mitigation measures.</li> </ol>			
Limit Level							
<ol> <li>Limit level being exceeded by one sampling day and is cause by the construction works</li> </ol>	<ol> <li>Discuss mitigation measures with the IC(E), the ER and the Contractor.</li> <li>Ensure the proposed mitigation measures are implemented.</li> <li>Prepare to increase the monitoring frequency to daily if further exceedances of the Limit Level are detected on the next sampling day.</li> </ol>	<ol> <li>Discuss with the ET Leader and the Contractor on the proposed mitigation measures.</li> <li>Review proposals on mitigation measures submitted by the Contractor and advised the ER accordingly.</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Discuss with IC(E), the ET Leader and the Contractor on the proposed mitigation measures.</li> <li>Request the Contractor to Critically review the working methods.</li> <li>Make agreement on the proposed mitigation measures to be implemented.</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Inform the ER and confirm notification of the exceedance in writing.</li> <li>Rectify unacceptable practice.</li> <li>Check all plants and equipment.</li> <li>Consider changes of working methods.</li> <li>Discuss with the ET Leader, the IC(E) and the ER, and propose mitigation measures to the IC(E) and the ER within 3 working days.</li> <li>Implement the agreed mitigation measures.</li> </ol>			

Event	Action						
Event	ET Leader	IC(E)	ER	Contractor			
2. Limit level being exceeded by more than one consecutive days and is cause by the construction works	<ol> <li>Discuss further mitigation measures with the IC(E), the ER and the Contractor.</li> <li>Ensure the proposed further mitigation measures are implemented.</li> <li>Increase the monitoring frequency to daily until no exceedance of the Limit Level.</li> </ol>	<ol> <li>Discuss with the ET Leader and the Contractor on the proposed further mitigation measures.</li> <li>Review proposals on further mitigation measures submitted by the Contractor and advised the ER accordingly.</li> <li>Assess the effectiveness of the implemented further mitigation measures.</li> </ol>	<ol> <li>Discuss with IC(E), the ET Leader and the Contractor on the proposed further mitigation measures.</li> <li>Request the Contractor to Critically review the working methods.</li> <li>Make agreement on the further mitigation measures to be implemented.</li> <li>Assess the effectiveness of the implemented further mitigation measures.</li> <li>Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit Level.</li> </ol>	<ol> <li>Inform the ER and confirm notification of the consecutive exceedance in writing.</li> <li>Rectify unacceptable practice.</li> <li>Check all plants and equipment.</li> <li>Consider changes of working methods.</li> <li>Discuss with the ET Leader, the IC(E) and the ER, and propose further mitigation measures to the IC(E) and the ER within 3 working days.</li> <li>Implement the agreed further mitigation measures.</li> <li>As directed by the ER, slow down or stop all or part of the construction activities.</li> </ol>			

# 3.5.4 Landscape and Visual

The Final Tree Survey Report<sup>[3]</sup> approved in April 2001 was adopted as the framework of the baseline landscape condition of this road section. In addition, a supplementary tree survey has been carried out in December 2001. The Supplementary Tree Survey Report (Revision A)<sup>[4]</sup> completed in March 2002 is also adopted to provide supplementary information of the baseline landscape condition of this road section.

If any non-conformity on landscape and visual issue is observed, the actions in accordance with Event/Action Plan shown in Table 3-12 shall be carried out.

Event	Action						
LVCIII	ET Leader	IC(E)	ER	Contractor			
Non-conformity on one occasion	<ol> <li>Identify Source(s).</li> <li>Inform the IC(E) and the ER.</li> <li>Discuss mitigation actions with the IC(E), the ER and the Contractor.</li> <li>Monitor remedia actions unti rectification has been completed.</li> </ol>	<ul> <li>working method.</li> <li>Discuss with the ET Leader and the Contractor on possible remedial measures.</li> <li>Advise the ER on effectiveness of proposed</li> </ul>	<ol> <li>Notify Contractor.</li> <li>Ensure remedial measures are properly implemented.</li> </ol>	<ol> <li>Amend working method.</li> <li>Rectify damage and undertaken any necessary replacement.</li> </ol>			
Repeated Non- conformity	<ol> <li>Identify Source(s).</li> <li>Inform the IC(E) and the ER.I</li> <li>Increase monitoring frequency</li> <li>Discuss mitigation actions with the IC(E) , the ER and the Contractor.</li> <li>Monitor remedia actions unti rectification has been completed.</li> <li>If exceedance stops cease additiona monitoring</li> </ol>	<ul> <li>working method</li> <li>3. Discuss with the ET Leader and the Contractor on possible remedial measures.</li> <li>4. Advise the ER on effectiveness of proposed remedial measures.</li> <li>5. Supervise implementation of remedial measures.</li> </ul>	<ol> <li>Notify the Contractor.</li> <li>Ensure remedial measures are properly implemented.</li> </ol>	<ol> <li>Amend working method.</li> <li>Rectify damage and undertaken any necessary replacement.</li> </ol>			

 Table 3-12
 Event/Action plan for landscape and visual impact

# 4. AIR QUALITY

# 4.1 1-hour TSP Monitoring Results

The highest 1-hour TSP level was  $292.8\mu g/m^3$  recorded at Tsing Lung Tau Tin Hau Temple (WA6) on 17 December 2003 while 6 January 2004 and the lowest 1-hour TSP level was  $122.6\mu g/m^3$  recorded at G/F of Hong Kong Garden Between Blocks 1 & 2 (WA4) on 23 December 2003.

There was no exceedance on Action and Limit Levels in the reporting period.

The trend of 1-hour TSP levels at each monitoring location are plotted and presented in Figure 4-1.

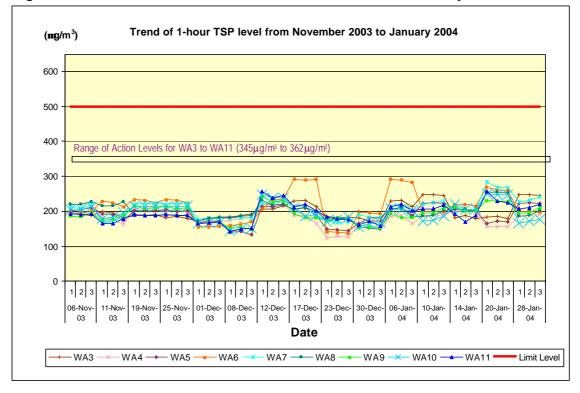


Figure 4-1 Trend of 1-hour TSP levels from November 2003 to January 2004

# 4.2 24-hour TSP Monitoring Results

The highest 24-hour TSP level was  $237.3\mu g/m^3$  recorded at Sea Crest Villa Phase 3 Block 8 (WA8) on 27 December 2003 while the lowest 24-hour TSP level was  $34.5\mu g/m^3$  recorded at Hong Kong Garden Regent Heights (WA3) on 15 January 2004.

Exceedances on Action Level were recorded at Sea Crest Villa Phase 3 Block 8 (WA8) on 27 December 2003, and at Hong Kong Garden between Blocks 1 & 2 (WA4), Hong Kong Garden Block 4 (WA5), and Tsing Lung Tau Tin Hau Temple (WA6) on 3 January 2004.

These exceedances were mainly due to the poor weather condition in the territory or construction work other than the construction site. Upon the implementation of mitigation measures, no further exceedance was recorded in the subsequent air quality monitoring.

The trend of 24-hour TSP levels at each monitoring location are plotted and presented in Figure 4-2.

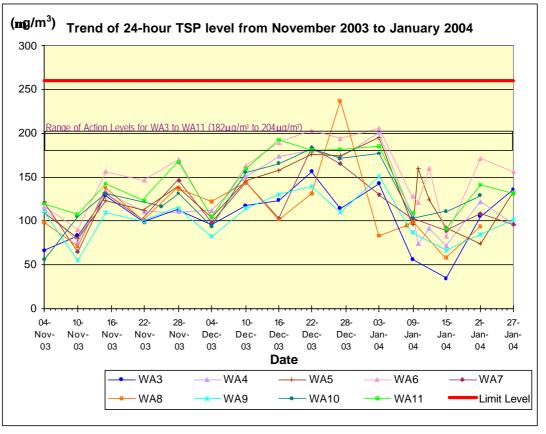


Figure 4-2 Trend of 24-hour TSP level from November 2003 to January 2004

# 5. NOISE

# 5.1 Noise Monitoring Results

All the noise measurements were taken between 0700-1900 hours on normal weekdays during which the construction site was under normal operation.

The highest noise level was 74.8dB(A) recorded at House 1, Tsing Lung Tau Village (WN9) on 19 November 2003 while 17<sup>th</sup> and 30<sup>th</sup> December 2003 and the lowest noise level was 64.5dB(A) recorded at Sea Crest Villa Phase 4 (WN12) on 1 December 2003 and Hong Kong Garden Block 4 (WN8) on 28 January 2004.

There was no exceedance on the Limit Level in the reporting period.

The trend of the noise levels at each monitoring location are plotted and presented in Figure 5-1.

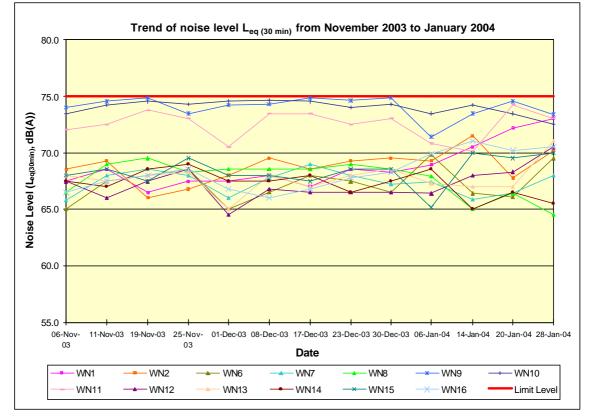


Figure 5-1 Trend of noise level from November 2003 to January 2004

# 6. WATER QUALITY (DESIGNATED PROJECT)

# 6.1 Suspension of Marine Monitoring

As reported by the Contractor, major sea works at level below +2.5mPD had been completed in July 2003. The proposal on suspension of marine monitoring was submitted to IC(E), HyD, EPD and AFCD for comments on 25 September 2003. It was confirmed with IC(E) and AFCD that suspension of marine monitoring was acceptable if there is no "active" marine work being carried out. In future, if there is any marine work on or below +2.5mPD, the Contractor shall notify the relevant parties one month in advance and resume the marine monitoring. Subsequently, as instructed by the Contractor/ HyD, the marine monitoring was suspended since 10 October 2003.

# 7. LANDSCAPE AND VISUAL MONITORING AND AUDIT

A total of 6 times of the landscape and visual monitoring and audits had been carried out in the reporting period by a Registered Landscape Architect. Frequently watering and tidy up the construction site have been suggested after the landscape and visual monitoring and audits. The CT was informed of the recommendations for action.

# 8. QUARTERLY SUMMARY, ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE RECORDS

# 8.1 Summary of Waste Disposal

Table 8-1 summarises the waste disposal quantity in the reporting period.

Type of waste or	Disposal at	No. of loads or quantities			
material		Nov-03	Dec-03	Jan-04	Total
C&D waste	WENT Landfill	27 loads	23 loads	2 loads	52 loads
C&D material	Public Filling Area in Tuen Mun	989 Ioads	502 loads	1,066 loads	2,557 Ioads
Grease trap waste	Interim Grease Trap Waste Treatment Facility at WENT Landfill	0	0	0	0
Chemical waste	Collected by licenced collector	0	0	0	0

Table 8-1 Waste disposal quantity in the period from November 2003 to January 2004

# 8.2 Complaint Record

A total of 3 environmental complaints were received in the reporting period Two of these were related to water quality impacts from the muddy water on the beach opposite to Sea Crest Villa Phase III and ponding of foul water at the footway in front of Sham Tseng Latrine. The third one was concerned about construction noise during early hours of 8:00am. All had been solved after investigation. A log record on the environmental complaints is given in Appendix B.

# 8.3 Non-compliance

There were four exceedances on Action Level of 24-hour TSP monitoring.

There was one documented complaint regarding construction noise which had triggered the Action Level of construction noise. A summary of the exceedances in the reporting period is given in Table 8-2.

Table &	-2 S	ummary Monitoring					
	Date	Monitoring Location	l Result	Action Level	Limit Level	Investigation Findings	Non- compliance
Noise [dB(A)]	6-Dec-03	Near Hong Kong Garden	Receipt of complaint*	When one documented complaint is received	75	Inspection was made at the concerned area but no abnormal construction activity was found. The Contractor had explained to the Complainant that no statutory permit was required for construction work other than percussive piling at 8:00am and the nature of works conducted at the area was well within permitted limits. ET had reminded the Contractor to implement noise mitigation proposal in accordance with EM&A Manual.	Noise generated from the ongoing construction works in these areas was monitored and no exceedance was found. ET had reminded the Contractor on the noise mitigation measures.
24-hour TSP [ <b>mg</b> /m³]	27-Dec-03	WA8	237.3	187.8	260.0	The site staff's had checked the works schedule and found that there was no heavy construction activity being carried out close to WA8. However, there was a haze overcastted at the ambient air causing a poor atmospheric condition. As reflected in the relatively high API levels at the end of Dec 03, the atmospheric dispersion effect was fairly poor due to the seasonal characteristic. It was therefore considered that the exceedance at WA8 was caused by haze in the atmosphere and poor dispersion effect.	The Contractor was advised to enhance the dust suppression measures, including proper wheel washing of vehicle at site exit, and watering the haul road, unpaved area and other dusty activities, such as rock breaking: rock drilling; loading/unloading of rock boulders; and earth moving. Additional monitoring was conducted on 7 January 2004 and no further exceedance was recorded.
		WA4	200.3	186.8		As confirmed by the Contractor, all these monitoring locations were within Seawall-B stretch of the project. The excavation works at Seawall-B areas were mainly completed and the construction of reinforced concrete structures was in progress. The current work types and number of plants mobilised in the	The Contractor was advised to enhance the dust suppression measures, including proper wheel washing of vehicle at site exit, and watering the haul road, unpaved area and other dusty activities, such as
24-hour TSP [ <b>mg</b> /m³]	01-Jan-04	WA5	195.2	185.0	260.0	area was not believed to be the cause of such exceedances, as the mobilisation rate was significantly lower during the past months (see attached photos). However, there was a haze overcast at the ambient air causing a poor atmospheric condition in early January 2004.	rock breaking; rock drilling; loading/unloading of rock boulders; and earth moving. Additional monitoring was conducted on 10 <sup>th</sup> and 12 <sup>th</sup> January 2004 but no further exceedance was
		WA6	205.4	203.6		Similar to the condition in late December 2003, and the atmospheric dispersion effect was fairly poor due to seasonal characteristics. It is therefore considered that the exceedances at WA4, WA5 and WA6 could be due to the hazy condition in the atmosphere and poor dispersion effect.	recorded with enhanced dust suppression measures.

# 8.4 Notification of Summons and Successful Prosecution

There was no notification of summons or prosecution received during the reporting period.

## 8.5 Environmental Licenses

No new environmental license was granted in the reporting period.

## 9. COMMENTS, RECOMMENDATION AND CONCLUSION

## 9.1 Comments and Recommendations

Regarding the water quality issue, there had been frequently accumulation of silt, construction debris or sands inside the existing and temporary drainage systems and desilting facilities. As advised, the CT had cleaned the drainage systems and desilting facilities but still needed to be improved. In addition, stagnant water had always been found within the construction site, but was cleared up immediately by the CT.

Regarding the air quality issue, dust had been occasionally spotted from the activities of rock breaking and excavation and vehicle movement on dry and dusty haul road and mud trails on public roads. The CT had therefore implemented mitigation measures for dust suppression upon requested by the ET. These included spraying water onto rock breaking and excavation activities, watering of dry and dusty haul road; provision of wheel washing facilities, and cleaning the public road when necessary. Exceedances on Action Level of 24-hour TSP were recorded at the end of December 2003 and early 2004. These exceedances were mainly due to the poor weather condition in the territory other than the construction site. Upon the implementation of mitigation measures, no further exceedance was recorded in the subsequent air quality monitoring.

Construction noise impact was insignificant in the reporting period. It was occasionally spotted that noise label had not been provided for some PMEs but was provided after verbal warning.

Accumulation of general refuse, C&D waste and chemical or oil containers had been occasionally spotted by the ET. Upon advised, the CT had disposed of the waste, removed the containers, cleaned up the area and provided drip tray for the chemical or oil containers accordingly. Oil stain was occasionally spotted and the CT was advised to remove the contaminated soil.

No significant landscape and visual impacts had been recorded in the reporting period.

The EM&A programme including landscape and visual monitoring and audit for the period from November 2003 to January 2004 had been conducted as planned to avoid significant environmental and visual impacts to the sensitive receivers.

# 9.2 Conclusion

The environmental performance of the CT during the reporting period was acceptable. Upon advised by the ET, remedial measures had been taken to mitigate the environmental impacts caused by the construction activities. As a whole, EM&A programme had been well conducted in the reporting period.

## 10. REFERENCES

- [1] Mouchel Halcrow Joint Venture. 2001. Castle Peak Road Improvement between Area 2 and Ka Loon Tsuen, Tsuen Wan West Contract No. HY/99/18, Environmental Monitoring & Audit Manual.
- [2] Ove Arup & Partners Hong Kong Limited. July 2002. Contract No. HY/99/18 Castle Peak Road Improvement between Shem Tseng and Ka Lung Tsuen, Tsuen Wan, Environmental Baseline Monitoring Report (Second Issue).
- [3] Mouchel Halcrow Joint Venture. 2001. D&C Consultancy Agreement No. CE 1/96 Castle Peak Road Improvement between Area 2 and Ka Loon Tsuen, Tsuen Wan, Tree Survey Report & Tree Felling Application Revision D.
- [4] Mouchel Halcrow Joint Venture. Contract No. HY/99/18 March 2002.
   D&C Consultancy Agreement No. CE 1/96 Castle Peak Road Improvement between Area 2 and Ka Loon Tsuen, Tsuen Wan, Supplementary Tree Survey Report & Tree Felling Application Revision A.

APPENDIX A Construction

programme

Activity	Activity	Orio Early	Early	% Total						<u> </u>	200	4						
ID	Activity Description	Dur Start	Finish	omp Float	5	المل 112	19 26	2	F _9	EB 16	23 1	8	MA1	AR 5 22	29	فسيعجز فعسفا	AF 12	19 
CPR Imm	ovement bet Sham Tseng & Ka Lo	the second s					l .											-
and a share a share of a star of a star and a star a st			ana ang Kangaran. Tang tang										i					: i
Important				al al a sub								ļ						:
Key Dates			06APR04*	<u></u>									ļ			1	•	
	KDE - All Works bet CH2210-2300	<u>                                     </u>	UGAPRUA"	0] -34			<u> </u>							:		+		-+
	ndover Dates						:							•. •		.		1
	Handover Portion No. 6 to Employer	0	28FEB04*	0 0			· · · · · · · · · · · · · · · · · · ·	·			•		<u> </u>	÷				
finite second second second second second	Handover Portion No. 7 to Employer	<b>.</b>	20PEB04"	0 0		+			1						-+-!			
<u>1. Prelimin</u>	iaries	Construction to be less for the state of the	a a da an	SAME A CONSUME OF A						•							1	
Planning &	Programming	保持承知的行为		中的名号的是											.   ]			
01-0108	Maintain Programming & Submit Progress Reports	1.236 24NOV01A	26MAY05	60 0								- t						
Waste Mana	agement									:								
01-1166	Implement & Monitor WMP	1.171 21DEC01A	23MAR05	63 0					1			1						
Maintenanco	e of Traffic Flow	行行的任何的 13.157月1日第二百月											ł.	· ·				4 . i
01-1153	Maintain Traffic Flow	1,171 24NOV01A	23MAR05	63 0	i	1	1			1								
Environmen	ntal Monitoring & Audit	和主要的意思								£ .				1			· · · ·	
01-11702	Implement & Maintin Impact Monitor & Audit	1,601 08MAR02A	26MAY06	46 0		1		1										
Interfacing a	and Coordination	市场市场的 网络																!
	Coordination/Integration with Interfacing Works	1,171 01DEC01A	23MAR05	63 0		1	1	l i				1				l		
01-1174	Provide Reasonable Access to Other Contractors	1,171 01DEC01A	23MAR05	63 0	<u>.</u>	<u> </u>		11						· · · · · · · · · · · · · · · · · · ·				
16. Site Sa	felv										l							1
	agement System			的"小学"。 1430年1月20日							l				-	.		
16-1612	Implement & Maintain Safety Management System	1,151 14DEC01A	23MAR05	62 0					1			-	÷	_				
		70.000					1									$\square$		
	Chainage 0+900 to Chainage 1+8	<b>/U</b>																
1. Prelimin	aries										1							1
Proposed U	tility Works										_							ļ
01-1203	Proposed Gasmain on E/B C, way CH1070-1350	40 13AUG03A		85 -194		<u> </u>		ļ	,									
01-1204	Additional Gasmain on E/B C, way CH950-1070	20 15DEC03A	25FEB04	50 -194					1,	4		_				$\vdash$	<u> </u>	
3. Roadwo	rks						-											
Earthworks		经有关的时间					1.1					1					•	:
	Excavate to Future Road Level at BPRW03; 31-37	20 12JAN04A	30JAN04	50 -37														
	Earthworks Along W/B C/W CH1464 to 1554	14 07APR04	26APR04	0 18										<u>ı</u> ı		<u>  '</u>		170.45
Drainage W	orks		的是你想															
	Drill/excavate for drainage at E/B CH1100-1205	26 23SEP03A	15JAN04A	100	1	. i				• •								
	Construct drainage at E/B CH1100-1215	18 11NOV03A	2BJAN04	56 -198	1	1 1												<u> </u>
Start Dale	23NOV01 Carbon and a	3M26					Sheet	1 of 12			<u></u>	F	<u> </u>	- <u></u>			urary 2004	·
Finish Dale	07FE807	y Bar ress Bar	· N	Aaeda Co	rporatio	on								Data 14APR03	revision c	Bertelon		Checke
Data Date Run Dale	16JAN041	cal Activity	HY	//99/18 - (	Castle P	eak					C.			10,/UN03	evidon e			
	29041004 00,00		3- Mo	nth Rolli	ng Prog	ramm	le ·					1			revision 01			
© Primave	ra Systems, Inc.		a ta station		·	<u> </u>	-	<u> </u>		MA	ED	۹		<u> </u>	<u> </u>			

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Activity	Activity	Orig Early	Early	~ % s	Total	-148 S. 19	·	N			-	FR				MAR				AP	R	
D ID	Description	Dur Start	Finish	Comp	Float	<u>- <b>5</b>-555</u>	_12.	ាំ១	26	2	<u></u>	16	23	_ <u>1</u>	8	15	22		5	<u> </u>	19	26_
Drainage				影響會											1				-			
03-3134	Drainage at Access Road R8	30 21FEB04	26MAR04	0	-135		<u> </u>	·			_					·						
03-3129	Drainage along E/B C'way bet CH0980-1100	30 18MAR04	26APR04	0	-212					<u> </u>				_	1	<u> </u>						
Pipe Work	<s (local="" supply="" td="" watermains)<=""><td></td><td></td><td></td><td></td><td></td><td></td><td>:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></s>							:														
03-3150	Pipe Works on E/B C'way bet CH1185-1215	10 29JAN04	09FEB04	0	-198					11												
03-3154	Pipe Works at Access Road R8	20 27MAR04	23APR04	0	-135	1											. 1			iimm		1
Road Wor	ks	计字符字标	n de la serie	建物的									· ·									
03-3024	Temp Rdworks at E/B C'way (CH1070-1350)	30 09MAR04	16APR04	0	-222			à				·				1		rini i	ani-an	i	E	
03-3025	Divert Traffic to E/B C'way CH1070 -1350	0	16APR04	0	-222				i	11					1	1	•				•i	
														1	1	1	•					
5. Footbi		Sector Sector			No.				•		1					ļ					1	
<u>Footbridg</u>	e FB12															1				r	ŗ	
05-5300	Form Working Platform for S.I. South (FB12)	30 04APR02A	1	100		i	<u> </u>	·			_				<u> </u>					<u> </u>	_ į	<b>.</b>
05-5310	GI Work at South Support for FB12; 14 piles	28 25APR02A	<u> </u>	96	-59					<u>  </u>												
05-53112	Piling Work at North Support for FB12: 17 piles	72 13SEP03A		100	[										<b> </b>							
05-53101	Piling Platform for FB12 South	30 01DEC03A		100						ļļ					ļ		·····					
05-531122	Pile tests at North Support for FB12; 17 piles	8 14 JAN04A	26JAN04	25	-66					1					]		<u></u>	.   .  .				
05-53102	Piling Work at South Support for FB12; 14 piles	56 15JAN04A	25MAR04	2	-59		7			11	<u> </u>		Τ		<u>L</u>			_ <b>_</b>				
05-5330	North Pile caps for FB12; 8 Nos.	40 27 JAN04	12MAR04	- 0	-66											ļ					]	
05-5320	South Pile caps for FB12; 6 Nos.	40 26MAR04	17MAY04	. 0	-59			-	;	<u>                                     </u>	_					<u> </u>					ļ	
6. Retain	ing Walls															1						
	Wall BPRW03				操作									1					Ì			
06-62232	Construct Facing Wall for BPRW03; 1 to 30	45 24NOV03A	09FEB04	60	-48	_		_	-	11	<b>.</b> .					Ì		i I			1	
06-622248	Const. 16 no.s 610 dia. mini piles	32 12DEC03A	10JAN04A	100	- H			1	-				1	-	<u> </u>		;		-		-+	
06-62233	Construct Caping Beam for BPRW03; 1 to 30	30 19DEC03A	16FEB04	60	-48 H			<u> </u>				<b>.</b>			-		· • · · · •	1.			-	
06-62255	Construct Facing Wall for BPRW03; 31 to 37	20 31 JAN04	23FEB04	0	-37					1					·	1						
06-62235	Fill & Trim Slope/Construct U-Channel; 1 to 30	30 03FEB04	08MAR04	0	-48						1			· · · · · · · · · · · · · · · · · · ·		+ 1		+				
06-62256	Construct Caoing Beam for BPRW03; 31 to 37	12 24FEB04	08MAR04	0	-37			-f-	-						 •						[	
06-62260	U-channel on F/P at BPRW03	15 09MAR04	25MAR04	. 0	16				1.						1985						1	
	Wall BPRW60												1.		1			$\mathbf{T}$			1	
06-62640	Fill & Trim Slope/Construct U-Channel on Slope	30 02MAY03A	21JAN04	83	-102				1	.					1		• •			*	i	· .
06-62660	U-channel on F/P at BPRW60		19FEB04	0	-68	Ī		1							<u> </u>	<u> </u>	:	++			-j	·····
	d Earth Wall 01					1		···			1			1		<u>†</u>	··	$\uparrow \uparrow$			_	
		30 22OCT03A	Internal	60	18 H																ł	
RE0114	Excavate/Temp. Slope Protection; 2nd stage	30 220C103A 36 03FEB04	15MAR04	00	18			- <u></u>		-		(* ) 			interest						- <del> </del>	••••
RE0116	Mass concrete/Install panel & mesh/Backfill	30 02MAR04	·		18							·					، دور دور	HEAST	-'	*		<u></u>
RE0118	Finishing Work		L				·			H .	1					1		++	<del></del>	<u> </u>	-	
							1.							1					i	• ·	. * *	
RE6014	Backfill/Finishing Work	24 10NOV03A	02FEB04	50	-119	i	<u> </u>	i		1 .	-		<u> </u>					$\downarrow$			<u> </u>	- <u></u>
L-Shaped	Walls		<b>上</b> 预制设	的感染										1				!				
06-65402	Backfill & drainage behind RW60	10 03 JAN04A	1	100		<u> </u>			· · ·	<b> </b>				_				<u>. i</u>				
			23JUN04																			and the second s

Sheet 2 of 12

Activity       Activity         ID       Descriptio         7. Noise Situation       Descriptio         7. Noise Situation of Noise Barrier       07-7060         07-7060       Fabrication of Steel Members for Noise Barrier         07-7070       Fabrication of Panels for Noise Barrier         07-7040       Prepare.Submit Shop Drawings for Noise         07-7050       ER Review/Approve Shop Drawings         07-7090       Delivery of Panels for Noise Barrier         Noise Mitigation No. 01       07-71112         07-71114       Excavation/formation for bays 22-25	se Barrier         10           or         10           IM03         2           Barrier         6           for NM03         2           5-1280         \$	00 15JAN04 00 15JAN04 21 29JAN04 90 15FEB04 30 19FEB04 90 25FEB04	Einish 24APR04 24APR04 18FEB04 14MAY04 19MAR04 24MAY04	0 -4	50 50 44		N 19	25	<u>9</u>	B	3 (1		MAR 15	.22	29	5 12	
Procurement of Noise Barrier07-7060Fabrication of Steel Members for Noi07-7070Fabrication of Panels for Noise Barrie07-7040Prepare.Submit Shop Drawings for Noise07-7080Delivery of Steel Members for Noise07-7050ER Review/Approve Shop Drawings07-7090Delivery of Panels for Noise BarrierNoise Mitigation No. 0107-7111207-71112Foundation of NM01 (North): CH12007-71114Excavation/formation for bays 22-25	ar         10           ar         10           IM03         2           Barrier         6           for NM03         3           5-1280         \$	00 15JAN04 00 15JAN04 21 29JAN04 90 15FEB04 30 19FEB04 90 25FEB04	24APR04 24APR04 18FEB04 14MAY04 19MAR04	17 -4 17 -4 0 -4 0 -4	50 50 44					- - - -				· · · · ·			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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07-7070Fabrication of Panels for Noise Barri07-7040Prepare.Submit Shop Drawings for Noise07-7080Delivery of Steel Members for Noise07-7050ER Review/Approve Shop Drawings07-7090Delivery of Panels for Noise BarrierNoise Mitigation No. 010107-71112Foundation of NM01 (North); CH12007-71114Excavation/formation for bays 22-25	ar         10           ar         10           IM03         2           Barrier         6           for NM03         3           5-1280         \$	00 16JAN04 21 29JAN04 90 15FEB04 30 19FEB04 90 25FEB04	24APR04 18FEB04 14MAY04 19MAR04	17	50 44 50					in port						,	1
07-7040Prepare.Submit Shop Drawings for Noise07-7080Delivery of Steel Members for Noise07-7050ER Review/Approve Shop Drawings07-7090Delivery of Panels for Noise BarrierNoise Mitigation No. 010107-71112Foundation of NM01 (North): CH12007-71114Excavation/formation for bays 22-25	IM03 2 Barrier 6 for NM03 2 5-1280 \$	21 29JAN04 90 15FEB04 30 19FEB04 90 25FEB04	18FEB04 14MAY04 19MAR04	0 -4	44 50					(		· · · · · · · · · · · · · · · · · · ·					
07-7080         Delivery of Steel Members for Noise           07-7050         ER Review/Approve Shop Drawings           07-7090         Delivery of Panels for Noise Barrier           Noise Mitigation No. 01         Control of NM01 (North); CH120           07-71114         Excavation/formation for bays 22-25	Barrier for NM03 States	30 19FEB04 90 25FEB04	19MAR04										1				
07-7050         ER Review/Approve Shop Drawings           07-7090         Delivery of Panels for Noise Barrier           Noise Mitigation No. 01         Panels for Noise Barrier           07-71112         Foundation of NM01 (North); CH120           07-71114         Excavation/formation for bays 22-25	for NM03 3 5-1280 5	90 25FEB04		0 -4												<del>مند معناز</del>	
Noise Mitigation No. 01           07-71112         Foundation of NM01 (North): CH120           07-71114         Excavation/formation for bays 22-25	5-1280		24MAY04		44 I	····											
07-71112 Foundation of NM01 (North); CH120 07-71114 Excavation/formation for bays 22-25	5-1280 5			0 -!	50												
07-71112         Foundation of NM01 (North); CH120           07-71114         Excavation/formation for bays 22-25	5-1280 5		<b>新时代同时</b>	计存储系统 化													
07-71114 Excavation/formation for bays 22-25		0* 04DEC03A	06FEB04	68 -18	34			• • • •						-			:
	of NM01 1	12 04DEĊ03A	10JAN04A	100										· · · · ·			
07-71116 Construct base slab for bays 22-25 c	······································	24 24DEC03A	30JAN04	56 -18	34	j											
07-7118 Construct wall for bays 22-25 of NMC	1 2	24 05JAN04A	06FEB04	33 -18	34			·					].				
07-7113 Foundation of NM01 (North); CH135	D-1405 50	0* 13MAR04	15MAY04	0 -6	36		-										
07-71132 Excavation/formation for bays 37-42		18 13MAR04	02APR04	0 -6												<u> </u>	
07-71134 Construct base for bays 37-42 of NM	01 2	24 27MAR04	28APR04	0 -6	56			·									
8. Culverts and Outfalls								:		}		ļ				•	·
Culvert-Outfall AA		物建殖物	增高速量					:								*	
08-81502 Exc. Culvert-Outfall AA (within Exist (	<u></u>	6 26FEB04	03MAR04	0 -19	24			:    ·				1		÷			
08-815022 const. Culvert-Outfall AA (within Exis		18 01MAR04	20MAR04	0 -18	35						· · · · · · · · · · · · · · · · · · ·	1		1			: r
Culvert-Outfall AB	and the second		<b>B</b> ARANA ANA	國家南歐	2					- 1						· · · ·	·, ·
08-8102 Exc. Culvert-Outfall AB (the remainin		6 26FEB04	03MAR04	0 -18	8		-					1	1			i	-
08-81022 Const. Culvert-Outfall AB (the remain		18 04MAR04	24MAR04	0 -18	9B			1									
Culvert-Outfall B		常常好有	動型器	kan de	ġ.							1	1	•			
08-82012 Const. SMHB2 & Downpipes at botte		18 19NOV03A	26JAN04	67 -17	8	-		<b>i</b> 1									1
Culvert-Outfall D		<b>编辑</b> :建徽														i	
08-8500 Construct Outfall D (North)	21-14-16-16-16-16-16-16-16-16-16-16-16-16-16-	9* 14AUG03A	02FEB04	91 -13	5								1			i I	
08-85011 Exc. Culvert-Outfall D (North)	. 5	50 09SEP03A	26JAN04	B8 -13	5			· · · · · · · · · · · · · · · · · · ·					-				
08-85015 Construct SMHD1/cascade/ staircase	/1500 pipe 1	18 03JAN04A	02FEB04	50 -13	5												
10. Geotechnical & Slope Works		ो भूक हा											1			i	1
· · · · · · · · · · · · · · · · · · ·		<b>新教教室</b>		F. III. Market				.								į	
New Slope Nos. 4, 5 & 3		24 08JAN04A	08MAR04	17 -13	<u>s</u> =		;	·									
10-10205 Excavation & Filling Works for Slopes		18 24FEB04	15MAR04	0 -13								. F.		•• • • •	•••		
10-102052 Drainage/Stabise Slopes 4, 5 & 3												1	<u> </u>			<u> </u>	1
Existing Slope Works		8* 05DEC02A	130504	55 -6	5			:	1		ł	1		1	1		
10-10211 Remedial Works to Slope No. D/R16		8* 05DEC02A 3* 17DEC03A		22 -21		<u> </u>	i i	. []	· 1				1				
10-10210 Remedial Works to Slope No. C161 ( 10-102102 Erect scaffolding/rock mapping		18 30DEC03A		94 -19	- ny andren san												
10-102102         Erect scaffolding/rock mapping           10-102107         Temp, work design/consent from the		30 02JAN04A	11FE804	33 -21			، کینے	:		<u> </u> .			•				
10-102107 Temp. work design/consent from the		30 12JAN04A	19FE804	10 -17													
10-102104 Install lock dowels/surface protection		30 12FEB04	17MAR04	0 -21			-					······	ing di secondi Manageri di Secondi				••••••••••••••••••••••••••••••••••••••
10-102105 Remove scaffolding, temp. catch fen		20 20FEB04	13MAR04	0 -17						······································			∎†		-		
10-102108 Construct retaining wall RW101/back		30 18MAR04	26APR04	0 -21					- 1							-	

Sheet 3 of 12

Activity	Activity	Orig	Early	Early	~	lotal		JAN			FEB				MAR					PR	<u> </u>
lD	Descriptión 🗠 🗉 🗤 🖓	Dur	Start	Finish	Comp	Float	5.71	2	26	<u></u>	9 16	<u>23</u>	1	<u>.</u> 8	15	22	29	<u>5</u>	12	19	
3. Repr	ovisioning of LCSD & FEHD Facilities		e fighe s	alan in	÷													ļ		1	
EHD Fac	cilities		物神经	的原始的					-					1 .							
13-1330	Construct RCP B	169* 0	AE0JUL03A	02FEB04	93	304		2000	<u>0-0-</u>		1				1						
13-1340 -	Reprovision of Sitting Out Area at Ka Loon Tsuen	141 1	13SEP03A	04MAR04	72	97											_				
13-13406	Const, footing/floor slab of Sitting Out Area	<u> </u>	I3SEP03A	29JAN04	78	97									_				<u></u>		
13-1320	Construct RCP A		12JAN04A	28FEB04	10	101		10000												ł	
13-13202	Construct drainage system of RCPA		12JAN04A	29JAN04	25	101										· • • • • • • • • • • • • • • • • • • •					
13-13307	Finishing works for RCPB		16JAN04	02FEB04		304															<u></u> .
13-13204	Formation/construct foundation of RCPA		30JAN04	05FEB04	0	101			-	11						•					
13-13407	Const./Install Roof & Furnit of Sitting Out Area	+	30JAN04 06FEB04	04MAR04	0	97 101						1									- ;
13-13206	Construct sub-structure & roofing of RCPA	·	20FEB04	28FEB04	0	101							ä								
13-13207	Finishing works for RCPA	<b>-  </b> 			<b> </b> 決定課題	101 Division		-	. :			-	_		-		++	<u> </u>			
<u>Stairways</u>					2-2-202 	en an			:			-								i	
13-1310	Construct Stairway ST01 and Add. Ramo ST01A	┢────┝╸	2DEC03A	15JAN04A 23APR04	100	-111															
13-1313	Construct Stairway ST03	30 1	IOMARU4	Z3APR04	U	-111		_									++	+			
<b>/ariation</b>	n Order		•											[				1		ł	
Additiona	al Works at Slope 1			建塑造	影响感到															1	
0-1045	Const. drainage/stabilize slope at bott. batter	139* 2	1AUG03A	09FEB04	67	188			···· .		. I										
Ì0-1051	Const. planter wall/drainage V.O. 104	18 0	5DEC03A	26JAN04	67	-188			1		<u> </u>										
10-1052	Const. additional but. wall at bottom batter	12 2	7JAN04	09FEB04	0	-188	i .	1		11	{			1				$\perp$			
Mass & Bi	uttress Wall in front of House No. 6		146 - 14 146 - 14 14 - 14								:										
/0214	Add, retaining wall at House no. 6; VO 214	158 1	ISSEP03A	29MAR04	62	-222	L.			11		1		. 1		1		<u> </u>			
VO2143	Soldier piling	12 0	2DEC03A	30JAN04	17	-222								· ·					<u></u>		
VO2144	Excavation/lagging to soldier piles	<b>∤</b>  -	JAN04	18FEB04	0	-222						<u></u>									
VO2145	Rock maping/confirm rock dowels		9FEB04	23FEB04	0	-222				<b> </b>				<u> </u>		•					
VO2146	Install rock dowels	╏┉╼╼┙┨╼	4FEB04	27FE804	0	-222		_	<u> </u>	<u>  </u>			<u> </u>						<u> </u>	ا 	
/02147	Construct buttress wall		BFEB04	12MAR04	0	-222			· [	[ <b> </b>								. <b></b>			
VO2148	Construct mass concrete wall		3MAR04	22MAR04	0	-222		_			· · · · · · · · · · · · · · · · · · ·						╺┛╌┼╴				
/02149	Back filling & drainage behind retaining wall		3MAR04	29MAR04	U	-222		<u> </u>							_		∓∔			<u> </u>	
	Works for failed slope beind BPRW60					根的		4.	2						i ' i						
06-62652	Rem. Works for Failed Slope at BPRW60; VO.197	1	10CT03A		94	-102															
6-62269	Reinstate work/finishing work	Contraction of the second	9DEC03A	ZIJANU4	38 66 (J. 1919)	-102		- 1									++	+		—	
	ncrete Wall at toe of Slope 3		4.82.343			<b>教</b> 家:										· ·					
/02252	Add. mass conc. wall at toe of slope 3; VO. 253	1	الفجا والمتأكل والمتم ومقالاته	01MAR04	• 0	-135				<u> </u> ·				-	-	. <b>'</b> t	4-4-	+	•	$\perp$	
	0 Rockfill Slope to replace RW74								1											-	
/0206	Construct Slope replacing RW74; VO 206			22MAR04	33	-206			 . i	[]							1.1				
02064	Remove exist shortcrete/benching/fill grade 700			02FEB04	50	-206					<u> </u>			<u> </u>	_ <u></u>						
/O2066	Const. berm/drain/stairs/cap. layer; top batter			16FEB04	0	-206				<u>  </u>				<u> </u>					*-*-*		
/02068	Const. berm/drain/stairs/cap. layer; 2nd batter			08MAR04	0	-206		_		·					i.					1	
/02069	Const. drain/stairs/cap. laver; bott batter	12 0	I9MAR04	22MAR04	0	-206				11	1	1.			1.					1	

Sheet 4 of 12

14

Activity	Activity	Orig Ea Dur Sta	N SEA	0/	Tóta									2004						AP	
1D	Description	Dur	rt Finis	h Como	Floa			JAN 10	28	2	<u> </u>	- <u>EB</u> 16	23	1	8	MAR 15	22	129	5	<u>AP</u> 12	119 ±26
1				120.041V.4	1.000							<u> </u>	· <u> </u>	1	1	1.0					
OH: HO	n Chainage 2+210 to Chainage 3+010					4			÷				1	ł					1	•	
1 Prelim	inaries								1						ł				ł		;
	Utility Works	的新修动		時间的	泳った				1			<i>n</i>									
01-12103	Proposed HKT on W/B C,way crossing(2)	4 16DEC	03A 03FEBD	+ 50	-1	9								1					-		1
01-12102	Proposed CLP on W/B C,way CH2300-2480	10 07 JAN	04A 26JAN04	i 40	0 -1	0			i-i	1	- <u> </u>		-			1.			·   ·		
01-1212	Proposed Gasmain C,way bet CH2800-3010	32 03FEB	04 10MAR0	4 0	4	17			 		uj <u>an</u> e	an a	8) - A ( ) - A ( )		200		• •••••				· F
01-12104	Proposed CATV on W/B C,way crossing(1)	2 04FE8	04 05FEB04	<u>با</u> ر	-1	9				┤┤╴Ш┈	-			1	1						
01-12122	Proposed NWT C.way bet CH2800	11 05MA	04 17MAR0	4 0	4	17					-		_								1
01-12123	Proposed CLP C,way bet CH2800-3010	11 12MAI	04 24MAR0	4 0	4	17		-				···· j···· · ····	-	-		id na s	0122	- 1			
01-12105	Proposed CATV on E/B C,way crossing(1)	4 16MA	04 19MAR0	4 0	.2	20		-	:	-				1	-		i .				
01-12124	Proposed CATV C,way bet CH2800-3010	11 19MAF	04 31MAR0	4 0	4	7		-			1	1				E					
01-12125	Proposed HT C,way bet CH2800-3010	11 26MAF	04 08APR0	4 O	4	7		-									E			1	
01-12126	Proposed HKT C.way bet CH2800-3010	11 02APF	04 19APR0	\$ 0	4	7						•			1					) <u></u>	
· · · · · · · · · · · ·	e for SA No. 3		感用之情	(和我们)	i i can	24.6							1			1					
01-0110	Programme for SA No. 3	122*129SEF	03A 28JAN04	69	-18	3		-													
01-0118	Programme for SA No. 3		03A 21JAN04							-			1								
01-0118	Review & endorse detailed design by ICE/MHJV/QS		03A 20JAN04		-18	3				·	-			- •	-		· · · · · · · · · · · · · · · · · · ·	-  -			
01-0119	Prepare formal copies of SA for execution SA	7 22 JAN	04 28JAN04	. 0	-18	3				-					-		<b>.</b>			·······	-+
01-0119	Execute SA	0	28JAN04		-18				•	-											
		e de la companya de l La companya de la comp							<u> </u>		1.			1					Ť		,
	earance	any ang	ana ber meladarkada k dala	主要書である本語の	1	21		. 1	•									+			;
Demolition	of Existing Buildings	的代码	·保全管的中			ŧ.		1		.	ĺ										1
02-2130	General Site Clearance bet CH2210 and 3010		02A 30JAN04			0				<u>'</u>				1	_						t
02-2131	Temp, Divert W. Way/Demol. Exist Pavil. & W.Way	24 23JUN	03A 26JAN04	75	9	9	.			11			· [	ļ		-		ļļ	_		
3 Roadiw	orks								- 4 C				ł								н -
									· . · ·						1				1		
Utility Dive	Protect/Divert Exist. UUs at E/B CH 2300-2500	30 16MAF	04 23APR0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1996-1996	7			,							1					
03-3211	· · · · · · · · · · · · · · · · · · ·										1				Ť						
Earthwork			03A 01MAR0	4 50	(活动数) -2	3	-						1			ţ					
03-3201	Road formation at W/B C'way bet CH2250 & 2500		04 26APR0		5			-					-	· · ·	· · · · ·	2			<u>.</u>		
03-3203	Road formation at CPR CH2800 & 3010			ed in faithean	Sec.						1							+	-		
Drainage V											ł					ł				_	i The second second
03-3222	Drainage Works at CPR CH2800-3010		03A 27AUG0	_	-		1			 200					-+		•• • • •••-	-+			
03-32226	Drainage Works at SMHGB8 - GB2.2	24 22SEP				┥╍╧	1			Π	1.000										
03-32222	Drainage Works at HAP7/4.2-4.5	18 08DEC	03A 18FEB04 03A 20JAN04		<u> </u>	13		100000					_	[				╺┼╌┼			_
03-32223	Drainage Works at HAP7/2.2-2.5					5	l. ,														
03-32211	Drainage Works at W/B C'way bet CH2450-2500		04A 11FEB04												-					· · · · · · · · · · · · · · · · · · ·	
03-32212	Drainage Works at W/B; SMHF3 to F2.1	6 12JAN		_	<u></u>			-		11	<u> </u>		+					-  -			
03-32213	Drainage Works at W/B; SMHF3 to F3.2	12 29JAN		-	-t -14			-		+	-+			+			· ·				1. 2. sector de la composición de la comp
03-3221	Drainage Works at W/B C'way bet CH2500-2800	54 13APF	04 16JUN04	NU SCHOLD SAY	32,7350	6					-		1					++	1		
Pipe Work	s (Local Supply Watermains)	的影响神					. 1	:											, i r		
03-3230	Pipe Works on W/B C'way at CH2420		D4A 13FEB04	_	_				:						·! 	ļ					
03-3232	Pipe Works at CPR CH2930-3010	21 06FEB	04 01MAR0	4 0	5	6		<b>I</b>			 		1	1.	<u>t</u>				1		_i

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Activity	Activity	Orig Early		CON		調約度	يتجوا المتكار	ekola ita	s sub	$\mathcal{I}(\mathcal{A})$			2004							
ID	· · · · · · · · · · · · · · · · · · ·	Dur Start	Finish	Comp	Floa		<u>- 10</u>		<u>1.</u> 	<u> </u>	FEB 9 16	27	<u> </u>		MAR	22	:29	5	APR 12 11	9 ,26
J	s (Local Supply Watermains)	化学学的变形		御御書										1	1					
03-3233	Water Works at Portion W10	7 12FEB04	19FE804	0	14				÷						ĺ				· · · · · · · · · · · · · · · · · · ·	
Road Wor	ks	法状的编辑	的意味的	<b>递</b> 电量	痛侵						1								:	
03-3142	Lay sub-base, kerbs & edgings; W/B CH2250-2500	18 17FEB04	08MAR04	0	-28									<b>i</b>	t I				:	
03-31422	Construct rd pave & f/p: W/B CH2250-2500	18 24FEB04	15MAR04	0	-28				;				l	1	<b></b>					
03-3147	Divert Traffic to W/B Perma C'way CH2210 to 2500	0	15MAR04	0	-28				:	1	<u> </u>				•				1	
03-31448	Reinstate E/B CH2210-2300 prior to Complete KDE	6 30MAR04	06APR04	0	-28			. 1							1		1-		:	
5 Foothr	ridges		- 14 1	···· . *				i	:											
	(1) 一、小规定不需用。如何,公司并且保持了你们不需要的公式的。但是你认真的必须是否需要要要帮助你能够。	法管理保证		通道深兴	虚职			;										1	;	
Footbridg		150 17JUN03A	10JAN04A	100	54	;		1				1								
05-51103	Piling Works for caps 10 to 12; FB01; 8 Nos.	12 16JAN04	02FEB04	100	-119							_				·	+			
05-51104	Pile testing for FB01 (South) South Columns & Column head for 6-7; 3 Nos.	30 26JAN04	28FEB04	0	-52					H			∎¦				+-			
05-51202	South Columns & Column nead for 6-7; 3 Nos. South Pile caps for 8 to 12; FB01; 5 Nos.	24 16MAR04	16APR04	0	-119	i					·				1		-danad T			·
05-51201	·····································		1. 数学		當出					li	1 : "			Ì			$\uparrow$			
Footbridge		40 22SEP03A	2114004	88	-64														1	
05-52402	North Columns & column head for FB02; 9 Nos.	30 22DEC03A	<u> </u>	80	-55									·						
05-52704	Construct Stairway for FB02 (North)	60 31DEC03A	• • •	67	-69		,		i	ļ.  						· ···· ··			[•	
05-5270	Construct Ramp for FB02 (North)	35 05JAN04A	11FEB04	43	-109		l.										+			
05-5230	South Pile caps for FB02; 8 Nos.	40 12FEB04	29MAR04		-109					╂┼───										
05-52302	South Columns & column head for FB02; 9 Nos.	30 30MAR04	05MAY04	0	-109					[	·			••••						
05-5250	Erect Deck of Main Span for FB02	60 30MAR04	14JUN04	0	-109	<u>_</u>			÷.		<u> </u>								- <b>Lin</b> h	
05-5260	Construct Ramp for FB02 (South) Construct Stairway for FB02 (South)	30 30MAR04	08MAY04	0	-79	{					· · · · ·				· · ·					
05-52604	Erect Steelwork & Roofing for FB02 (North)	30 30MAR04	08MAY04	0	-102		<u> </u>				i					;				
				-		J			-											<u> </u>
7. Noise	Structures	ni. An the state of the state o	un (1997) a final de la	A Part Marcalan	W		÷			[]							i	ţ		
Noise Miti	gation No. 02	<u>电流清望</u> 强		認知道					-		1								ĺ	
07-7231	Const. footing for NM02 (South); CH2450-2480	24 04DEC03A	26JAN04	75	-8										i		<u>_</u>			
Noise Miti	gation No. 03								. 										1	
07-7311	Foundation of NM03 (South)	60° 29JAN04	08APR04	0	-61			-	<u> </u>											
07-73112	Excavation/formation of NM03 (South)	18 29JAN04	18FEB04	0	-61					]										
07-73114	Construct base of NM03 (South)	34 12FE804	22MAR04	0	-61			. <u> </u>					<u> </u>	<u> </u>				<u> </u>		
07-73116	Construct wall stem of NM03 (South)	34 28FE804	08APR04	0	-61			_	* . •	ļ <u> </u>	<u> </u>			-			+ +		•	
Noise Miti	gation No. 04			9、16					1					1				· ]		
07-7407	Erect Frame/Panels for NM04(Within portion W10)	50 25FEB04	27APR04	0	-40								1	!						
2 Culver	ts and Outfalls								1								4	.   .	-	
	1.4.1.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1				的感觉									·	·   ,			i		
Culvert-O		193° 02JUN03A		97	学家(新生) 114				-33			1						÷ .		
08-8710	Formation Culvert-Outfall F (South of Exist CPR)	43 02JUN03A	-l	86	114	i		131.22	-20	┟╢╌╍╌╌							+			
08-87102	Excavate and Const. Outlet (stitch cocrete)	No Contraction			19 - C.							_		+			+			
Culvert-O		204° 11JUN03A	RADIA CON															ŀ	i	
08-8810	Culvert-Outfall G (South of Exist CPR)	204 11JUN03A 12 03DEC03A	-	88 50	-104		<u> </u>												······	•••••••
08-88105	Excavate/formation/blinding for bay 3	12 U3DECU3A 18 27 JAN04	16FEB04			{		-	T	[]	<u></u>									
08-88106	Const. twin box-culvert for bay 3			0	-104			• • •		11										

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Activity	Activity	Orig	Early	<b>%</b> То	otal	n an eastair Dhàirtean an a	JAN	स्पर्धन्वत् संस्कृतन			FE	B		2004		MAB		<u> </u>			APR	
. [D	Description	Dur Start	Finish	Comp Fl	oat	5 1	2	19 26	\$2		9	16	23	1.	8	15	22	- 29	5		12	19
. Seawa	alls and Marine Works						ļ						Ι.									:
	B(710 m Length)	<b>会计标识明</b> 书		标本运行			1	1 · · ·								l l						
9-9114	Granular Fill (CH2210-2450)	50 22APR03A	06FEB04	80	-8										1						Î	1
9-9134	Granular Fill (CH2800-3010)	50 10MAY03A	01MAR04	60	87			   						<b>南</b>			·····					
9-91122	Place Armour to +4 mPD (CH2210-2500)	25 03DEC03A	04FEB04	50	-8							;		-	-							i
-Shaped				P P P P											1	l						
9-9113	Retaining Wall RW-B (CH2250-2500)	282* 10FEB03A	21JAN04	98	-52							•										
9-9133	Retaining Wall RW-B (CH2800-3010)	212* 11JUN03A	25FEB04	85	56		335	<u>han da</u>	n dia					1	1							
9-9143	Reprovision of Pavillion at Sea Wall B	258° 23JUN03A	06MAY04	66	-51							i	J		<u>.</u>		4	نتشب	بالتنقي			
9-9123	Retaining Wall RW-B (CH2500-2800)	323* 14JUL03A	13AUG04	46	-148							,			1	i						
9-91136	Const. plinth; RW-B for bay 01-27	46 04SEP03A	21JAN04	89	-52							•	1			_						
9-91437	Const. pavilion & staircase	24 08SEP03A	06MAY04	17	-51									1	1							
9-91234	Const. RW-B; base for bays 25-27; at FB01	18 300CT03A	16JAN04	.94	-47	· · · · · · · ·						!										
9-91334	Const. RW-B; base for bays 59-68; at FB02	40 17DEC03A	02FEB04	70	-109	T				•							:					
9-913341	Const. RW-B; wall for bays 59-68; at FB02	40 03JAN04A	13FEB04	50	-109																· · · ·	<b>.</b> .
9-91336	Const. plinth; RW-B for bays 57-76	46 08JAN04A	25FEB04	-35	56			<u> 20</u>							1							<u>.</u>
9-912312	Const. wall of RW-B; bays 33-56	60 29JAN04	08APR04	0	-148			!					ł							<b></b>	· · · · · · · · · · · · · · · · · · ·	· · ·
9-912344	Const. RW-B; base for bays 28-32; at FB01	18 03FEB04	23FEB04	0	-119								<b>}</b>						l .			•
9-912346	Const. RW-B; wall for bays 28-32; at FB01	18 24FEB04	15MAR04	0	-119							•			1	-						÷
N Geoti	echnical & Slope Works												ł		1							•
	Slope Works	出来的公布清水	豪勇乐								•		1									!
9-9212	Remedial Works to Slope No. 6SW-C186 & C1/C78	90* 16MAR04	07JUL04	<u>l ol</u>	6											635		<b>Menter</b>	and the second s	<u> </u>		
9-9212	Remedial Works to Slope No. 6SW-D/C186	36* 16MAR04	30APR04	0	12							· · · · · · · · · · · · · · · · · · ·								<u></u>	Clark I	
9-921212	Form access and site clearance	6 16MAR04	22MAR04	0	12								1	-								
9-921212 9-92122	Remedial Works to Slope No. 6SW-D/C1 & D/C78	90* 16MAR04	07JUL04	0	6	· · · · · -									†			BIR B	and a	4	-111/27 <del>2</del> 90	a contra
9-921221	Form access and site clearance	8 16MAR04	24MAR04	0	6			· · · · · · · · ·	†-										1			
9-921214	Construct 300 U-channel on the slope	6 23MAR04	29MAR04	0	12								†		-	-						
9-921222	Trim slope/Construct 300 U-channel on the slope	12 25MAR04	08APR04	0	6			· -				·					E					1
9-921216	Excavate/trim slope to future road level	12 30MAR04	16APR04	0	12			1										24		<b>380</b>		
9-921223	Excavate/trim slope to future road level	26 13APR04	13MAY04	0	6		ł														<b>GARRY</b>	and the second second
	Isted Watermains												].									į
	2. 「したたちなたるとお思いではないためになりため、お洗濯気気にお洗洗洗洗洗洗洗洗洗洗洗洗洗洗洗洗洗洗洗洗洗洗洗洗洗									.						i						
	I Water Mains	52 10SEP03A	26 14 104	89	-28	i		j													!	
2-1216	DN1000FW/Associated Wks at CPR CH2800-3010	20 04DEC03A		45	-28	1 <u>.</u>						•			<u>+</u>				i			<u> </u>
2-1231	DN1000FW/Associated Wks at E/B CH2270-2300	30 06JAN04A	-		-28			<u> </u>				<u>!</u>							<b>-</b>			
2-1219	DN1000FW/Associated Wks at E/B CH2480-2550		29MAR04		•28							•	<u> </u>		1	··   1			i			h
2-1232	DN150 cross rd & fire hydrant at CH L600		2010131304			+									1	!		+	$\square$		;	:
2.410	m Chainage 3+010 to Chainage 3+73(	)								ļ					İ	ļ						
and the second se	ninaries						:			]										ſ		
	2. 人名英格兰·加尔特·法希尔斯特·法希尔斯特尔特·斯特特尔法法特尔特尔特尔特尔特特斯特特特特特特特特特特特特特特特特特																		1			
	ry Watermain Diversions	21 03FEB04	26FEB04	1 n	·문제 - <b>7</b> 2						:		1			l.						
01-1170	Watermain Diversion between CH3010-3100	2103F6804	ZOFEDU4		-12	<b>_</b>	_		11-				<u> </u>	1	}	÷						·

1	1	i	S. 1996 S. 1	a distant show	18-2-14-5-16	12. AB 23.		100000000000000000000000000000000000000	1.1	12.20		and second	u kura	1. 1. starter († 1. starter ( 1. starter († 1. starter (†		2004		1.			1 			
A	ctivity	Activity	Orig	Early	Early	%	Total	2.19.24 1.19.24	s î	4 N	979 D. (		- Fe	в	1.00	004		MAR_					APR	
1	ID	Description	Dur	Start	Finish	Comp	Float	<b>5</b>	ា12	- 19	26	2	9	16	23	1	8.	15	22	29	<u>5</u> ,	<u>1</u> 12	1	9 26
Pro	posed L	Jtility Works								:		11	ļ											
01-1	245	Proposed Gasmain on E/B C, way CH3540-3670	20	06MAR04	29MAR04	0	53			<u>.</u>		<u>  </u>		-	L	E E	1	<u> .</u>						
01-1	240	Proposed CLP on W/B bet CH3010-3100	5	03APR04	13APR04	0	-125				•	<u>  </u>	. <u>.</u>											
01-1	2402	Proposed CATV on W/B CH3010, rd crossing	2	03APR04	06APR04	0	-125										1	<u> </u>			▋	···	.,	
01-1	2403	Proposed HKT on W/B CH3220, rd crossing	2	07APR04	08APR04	0	-125				•						1						1	
		arance							.						1			-						
		a. A start of the start of t	Sec. Sec.			影物与	动图:			•			-				1	1			:			
		of Existing Buildings		02APR04	13APR04	n <u>revia</u>	- <b>12</b> 6	{ }							1		!				<b>n</b> i-i	<b></b>		
02-2		Demolish Exist RCP at Potion No. W32		0241104			-120		—						+			i –		++			i_	
<b>3</b> . k	loadwo	orks				and the second of the				1													i	
Ear	thworks		國家主	(学校)	神秘的	使来的											1				-		1	
03-3		Earthworks at W/B C'way CH3010-3300	97*	11DEC03A	13APR04	29	-126		1				I		1.			1		.)L				
03-3		Earthworks at E/B C'way CH3400-3540	30	11MAR04	19APR04	. 0	-21							•				1		1			1	
·	inage W	All the second s Second second secon second second sec		修理する							:													
03-3		Drainage Works on E/B C'way bet CH3540-3670	257*	10APR03A	23FEB04	88	53				- <b>Sente</b> - C				字						·		:	
03-3		Drainage Works on W/B C'way bet CH3010-3300	58	03FEB04	14APR04	0	-109						1		1			1		1			, i	
		Exc. & const. drainage for H2.4-gH2.4	18	03FEB04	23FEB04	0	53			1	-!						1				T.			
· · · · · ·		s (Local Supply Watermains)	4), Urai			S D B									1		1							
03-3		Pipe Works on E/B C'way bet CH3540-3670	22	10FEB04	05MAR04	0	53			1.1	:				<del>  21.00</del>			:				r .		
L			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ton have	sie trace	游戏的	的方法					li –		··						11	1			
	ad Work		6969 8769	12400024	24MAY04	HA GALLAN	-146	i H	1		. i	1							,				i.	
03-3		Dragon Garden Accommodation	60	10JAN03A	28FEB04		-140				i	<u> </u>	1		İ.	+	<u> </u>	+			·			
		Const. Plinth & Wall Face incl. Slope Work		03FEB04	06MAR04	42	-12						<u> </u>	I	1					+				
		Temp UUs & Roadworks at E/B CH3300-3460	30	0356604	06MAR04		-65						·										1	•· · ·
<u> </u>		Divert Traffic on E/B Temp. C'way CH3300-3460		13APR04	24MAY04		123							· · · · · · · · · · · · · · · · · · ·	+				·	+	<u> </u>			
		Remove Temporary Hoarding & Reinstatement		14APR04	18MAY04		-126				· · · ·		+		<u> </u>		+					<u>.</u>		
03-3	وأقسر الإربقاء فالرتجا والمتعيور المتها	Lay sub-base, kerbs & edgings; W/B CH3010-3300	29	1441-1404	TOIVIA 1 04		-120								<u> </u> :		+	<u>i</u>		+	-	· ·		<del></del>
R.E	. Wall	REV05							•						ł		.	i			!			
Rei	nforced	Earth Wall W05W	費業														1				;			· .
REV		Excavation/Temp. soil nail/Cleaning the base	.70	20FEB04	17MAY04	Ó	-65			· ·					<b>j</b> .	1				1 1			-	
	and the second second second second second second second second second second second second second second second	dges													1		i						:	÷
		1. 作用在主要要提供的原则的基本系统和新闻和自己的理论和影响和影响的影响。	vil, sprin		山湖北海道市市		Sake see		•								i	•					;	
	otbridge		35	060CT03A	02FEB04	<u>848999</u> 66	.65				-										Į			
05-5		North Pile caps for FB11; 6 Nos.		100CT03A		77			_		-		· · · ·		+			<u> </u>	· · · · <u>·</u> · · · · · · ·				· <del>· · ·   ·</del>	
05-5		South Pile caps for FB11; 8 Nos.	i	09DEC03A		. 13	-22					<u>]</u>	.I			. <u>1</u>	<b>h</b>	<u> </u>			_			
		South Columns & column head for FB11; 9 Nos.			22MAY04	0				<u>+</u>		<b>¦</b> ├──		<u>+</u>			h			• <b>} ••</b> •}.				i <b>na inte</b>
05-5	and a test assessment of the set	Construct Ramp for FB11 (South)			1	l ·			+		• • •		<u>+</u>		1		+	<u> </u>		$\frac{1}{1}$		•		
6.5	ketainii	ng Walls	a geographica -	parana (d. 🖌 y m. 1	aa e nage Laba ist een	unter en anvie	ST 1745				-					1		1						
Rei	nforced	Earth Wall 13	や使う		的建筑	的基础								:			1	Ī					:	
RE1		Mass concrete/Install panel & mesh/Backfill			03MAR04	93			1.			11						1					: 	
RE1		Finishing Work			13APR04	72	-126		L				į		ļ		1			1			i.	
RE1		Construct L-shaped wall	30	24NOV03A	20MAR04	50	-126		_1				1	,			1		·					
		Compacted selected fill			13APR04	0	-126					ļ	1	:	ļ				-	l.				
				20DEC03A					_															

Activity	Activity	Orig Early	Early	% Tota		AN SEC		FE8	20	04	MAR		1 1926 -	APR	
ID	Description	Dur Start	Finish	Comp Floa	5 12	19 26	<u>2</u> 3	១ 16	23  1	8	15	22 2	9 5	12 19	2(
L-Shaped															
06-6590	Construct Partition Wall at D. Garden	452* 28SEP02A		85 2		<u></u> ]		li	<u> </u>		١				
06-6591	Construct Retaining Wall RW16 (Outside)	308° 08MAR03A		83 -2				I			· ·		_		
06-6560	Construct Retaining Wall RW13	250* 22APR03A	23FEB04	88 -9			<u> </u>	<u> </u>							
6-65912	Construct Wall Stem of RW16; Bay 3 to 5	40 05JUL03A	11FEB04	50 -1											
6-65904	Construct Partition Wall; Bay 12	30 04AUG03A		80 -21			11					4		1	
6-65906	Construct Partition Wall; Bays 8 & 10	25 24OCT03A		76 -2	1 · · · · · · · · · · · · · · · · · · ·	·						<u> </u>			
6-6566	Construct Wall Stem of RW13; 6 bays	24 17NOV03A		100										· · · · · · · · · · · · · · · · · · ·	
6-65915	Construct Retaining Wall RW16; Bay 6	25 22DEC03A	02FEB04	52 -			. [].			-			-		
6-6567	Backfill behind RW13	18 24DEC03A	02FEB04	33 -109				<u> </u>				·			
6-65913	Temp. Works for RW16; Bays 1-2	18 27 JAN04	16FEB04	0 -21	·			:; .							
6-6568	Construct plinth of RW13; 6 bays	18 03FEB04	23FEB04	0 -91											
6-65914	Construct Retaining Wall RW16: Bays 1-2	30 17FEB04	22MAR04	0 -21						<u> </u>					
6-65908	Extract sheet piles & temp. rd to D. Garden	12 26FEB04	10MAR04	0 -21				······································					<b>1</b>		
6-65909	Construct Partition Wall; Bays 11	18 11MAR04	31MAR04	0 -21							1	-	,		
Culver	ts and Outfalls											ļ			
	outfall HB	特别的事实是	<b>彩彩肉</b> 件	派列的新闻								ļ			
3-81010	Culvert-Outfall HB (South of Exist CPR)	26* 27JAN04	25FEB04	0 -126								. !			
8-810102	Excavation for DN 1200 DI Pipe & SMHHB3	8 27 JAND4*	04FEB04	0 -126	· · · · · · · · · · · · · · · · · · ·				-				· · · •		
3-810102	Const. SMHHB3 & Catchpit	12 05FEB04	18FEB04	0 -126								·	- i	in the second second second second second second second second second second second second second second second	
3-810103	Install DN 1200 DI Pipe & Backfill		25FEB04	0 -126	·									· · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·				E E			:			_				
ulvert-Ou		184• 13AUG03A	24MAR04	70 -21								-		:	
8-81110	Culvert-Outfall H (North of Exist CPR)								┿╾╻	i	ł			· · · · ·	
3-81113	Construct manhole SMHH1& install 1.65m pipe	24 26FEB04	24MAR04	0 21											
0. Geote	chnical & Slope Works														
lew Slope	No. 9	制度者指数				4					1	1		;	
	Drainage Work for Slope No.9	35 27 JAN03A	26JAN04	83 65						ľ					
	No. 11			<b>经成功的</b> 时间		1							+	•	
0-10757	Reprovsion of B. Fence, V.O. No. 133	45 06MAR04	03MAY04	0 106								i The second second second second second second second second second second second second second second second s			-
	ope Works		1. S. S. L. S.					<u> </u>			.				~~ <u>~</u>
		149° 26JUL03A	26JAN04	96 150				le en pr		1 .				1	
-1092	Remedial Works to Slope No. FR41	149" 26JUL03A 18 30DEC03A		100											
-10927	Additional mass conc. wall at RW104	18 JUDECUJA 16 07JAN04A		100 63 150						<u></u>					
the second second second	Fill behind RW104 & Finishing Work	APUNJANUA		03 150									┨		
Entru	sted Sewerage Works	승규는 가슴을 가								ł	- L.		•		
ntrusted	Sewers/Drains	国地议协会	律师系统	等重要法式								ł			
-1141	Sewer Works at E/B bet CH3540-3670	169" 09JUL03A	02FEB04	93 53											
-11412	Const. sewer for TS127 to TS127A	24 09JUL03A	10JAN04A	100				· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	1-1		•••
1-11413	Const. sewer for TS127A to TS128	24 24NOV03A	15JAN04A	100		-			1			<u>+</u>	<u> </u>	·····	
1-11414	Const sewer for TS128 to TS130	30 13DEC03A	02FEB04	60 53		CONTRACTOR OF						··-··	+		

Activity	Activity	Orig Early	Early	% Tot	a Fa	1.2 T 1.2 P						<u> </u>	2004						
ID	Description	Dur Start		Comp Flo	at	aradzoz Zenczian	JAN_		<u> </u>		FEB		<u> </u>	<u>MA</u> 8 15			5.1	APR 2 19	26
a de consegue l'andre de la ser agente particular								<u>a - 120</u>										ps	
<u> (Kon Kepito</u>	ovisioning of LCSD & FEHD Facilities	Sec. In the sec.	Standard Mark	dontation in t	1940) 1940)		Ī			1								;	
<u>Stairways</u>		<b>空口雪时的</b>						• • • • • •	-   -									;	
13-1331	Construct Stairway ST06	60* 27JAN04	06APR04	· · ·	-94				1								ļ		
13-13312	Formation & Construct foundation	10 27 JAN 04	06FEB04		-94							<u> </u>	<u> </u>						
13-1332	Construct Stairway ST07	60 27 JAN 04	06APR04		150		· .					i			-				·····
13-13314	Construct staircae upto +8.6 mPD	23 07FEB04	04MAR04	- <u> </u>	-94		_					<u> </u>		<u> </u>	· · ·		· · _ ·		· •
13-13316	Construct Stairway from +8.6 to +10.4 mPD	15 05MAR04			-94														•
13-13318	Finishing & railing	12 23MAR04	06APR04	0	-94												· · · · · · · · · · · · · · · · · · ·		
Variation	Order										÷							i	
	Works at Outfall IA under VO No. 195		新福福	512704074	15 25	-							1					1	
08-81230	Additional Works under V.O. No. 195	126" 16JAN04	21JUN04	0 2	207		-36-2	8 - <u>18 -</u>		1			422000						-98-97-49-9 1
08-81231	Form Access & Remove Vegetation; VO 195	12 16JAN04	02FEB04	0 2	207		1	2-92			:								•••
08-81232	Exc. incl. Sheet pile/Break Conc. Pipe; L. Part	18 03FEB04	23FE804	0 2	207		_			ne și t									
08-81233	Const, Cascade/M. Stairway/Backfill; L. Part	16 24FEB04	15MAR04	0 2	207														
08-81234	Exc. incl. Sheet pile; U. Part of Cascade	12 16MAR04	29MAR04	0 2	207									622			1		
08-81235	Const. Cascade/M. Stairway/Backfill; U. Part	12 30MAR04	16APR04	0 2	207			-										. 10	
												<u>†</u>	1	1			;		
GHAIO	m Chainage 3+730 to Chainage 4+47	Dan Pari Andrea		, part and the second second second second second second second second second second second second second second					5. <b>   </b>	ĺ	·						1		
2. Site Cl	earance							· :			1. N. 1.						i		
	n of Existing Buildings	國自由政府		经运行规定															
02-2160	Sile Clearance bet CH3730-4470	75 16MAR02	A 26JAN04	92 -1	122			<b></b>			·			·			ŧ		
in the second second second second second second second second second second second second second second second								:										÷ ·	
3. Roadw	Orks	a textile and textile desired.	Cafe, of Philipping, Space	and the second subscription	226			·											
Utility Dive	ersion	臺灣國際的						· .									1	1.	
03-34105	Temp. relocate/protect exist. L.A. Pipes	12 13DEC03	A 20JAN04	67 -	-69			l				<u> </u>		L			<u></u>	· .	
03-34506	Lay UUs/Temp. Roadwork at E/B CH 3900-3980	40 09MAR04	28APR04	0 -1	122		1		<u> </u>		· · ·								
Drainage V	Norks		P Start															•	
03-3424	Drainage Works at E/B C'way CH3900-4330	89 28NOV03	A 17MAR04	44 -1	108				[]			1		I			i		
03-34241	Drainage Works; manholes IC1.9-IC1.7	30 28NOV03	A 09JAN04A	100								1							
03-34243	Drainage Works; manholes IC1.5-IC3.1	40 02JAN04	A 23FEB04	25 -1	108						i			L					· • · •
03-34242	Drainage Works; manholes IC1.7-IC1.5	30 16JAN04	23FEB04	0 1	108					1		1							
03-3426	Drainage Works at E/B C'way CH4330-4470	58° 27 JAN 04	02APR04	0	2		}				!	1							· · · · · · · · · · · · · · · · · · ·
03-34262	Sheet piling/excavate trench for storm drainage	50 27JAN04	24MAR04	,0	2					1		1							<b></b>
03-34245	Drainage Works; m/h IC1.9-IC1.12 & IC12.2-12.3	30 03FEB04	08MAR04	0 -1	122							1			`!		1		
03-34264	Const. manholes and install drainage	50 05FEB04	02APR04	• • •	2								1				· · ·		
03-34244	Drainage Works; manholes J1.6-J1.5	20 24FEB04	17MAR04	0 -1	108						:								
03-34552	Drainage along Access Road R10	16 30MAR04	21APR04	· · · · · · · · · · · · · · · · · · ·	92										1. 	6226			J
Road Worl			水影演奏																
03-34523	Stage 2 TTA (Temp. works at central divider)	35* 10DEC03		83	2		-33.8	<u>6-8</u>							-				
03-345234	Break central divider & const. temp road	8 16DEC03	A 03JAN04A	100	H		Í					1 .					¶¶		
03-345235	Consent/install traffic signals by EMSD	12 02JAN04	4 26JAN04	25	2	1													
03-345236	Divert traffic for Stage 3 TTA	0	26JAN04	· 0	2			•				1			······································				
03-34533	Stage 3 TTA (works at E/B fast lane)	70* 27JAN04	21APR04	0	. 2						2267 271	-				1 1 1			
00-04000		<u> </u>		, I	فيصباست		- <b></b>						A	·			:		

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_ Activity		Orig Early	Early	-% T	otal	JAN		FFB			MAR			AF	R	
ID	Description	Dur Start	Finish	Comp F	loat	5 12 19 26	2	9 16	23	1 <u>8</u>		22	29	512	9	26
Road Wor	'ks		5 C 19 A		le.		ļ								i	
03-345332	Road formation Paving asphalt at E/B fast lane	12 03APR04	21APR04	0	2											
5. Footbr	ridges													. •	:	
L-Shaped											5				:	
03-3400	Excavate & Temp. Slope Protection; Walkway-FB03	296" 01APR03A	31MAR04	79	-107					<u>.</u>		·				
03-34002	Excavate & Temp. Slope Protection; bays 15-19	40 13OCT03A	08MAR04	70	-144				1							
05-54502	Const. wall of walkway; FB03(South); bays 4-12	48 30OCT03A	02FE804	75	-60		 									
03-340022	T. design/mini pile/excavate; bays 20-21-VO 246	40 01NOV03A	23FE804	25	-144									<b></b> LL		
05-54507	Const. base of walkway; FB03(South); bays 1-3	20 12JAN04A	11FE804	0	-125				<u> </u>				<u> </u>	- <u></u>		
05-54509	Const. wall of walkway; FB03(South); bays 1-3	30 16FEB04	23MAR04	0	-111				1		1			· · ·		
03-34003	Excavate & Temp. Stope Protection; bays 13-14	20 09MAR04	31MAR04	0	-107					ļ			I			
05-54503	Const. base of walkway; FB03(South); bays 15-21	32 09MAR04	19APR04	0	-144					<b>↓</b> ∤'						
Footbridg	e FB03	的影響影響														
05-5450	Construct Walkway for FB03 (South)	230° 20SEP03A	02JUL04	42	-144	. I I	:,,,, <u> </u>						+			
05-54302	North Columns & Col head for FB03; 6 Nos.	50 21NOV03A	02FEB04	76	-122				<u> </u>	[]		. <u></u>		······································	· .	
05-5420	South Pile caps for FB03; 1 Nos.	30 16JAN04	23FEB04	0	-146											
05-5460	Construct Ramp for FB03 (North)	60 03FEB04	16APR04	0	98				-		[	, 1798 15 W. W. W. B.	1		9 	
05-54202	South Columns & Column head for FB03	30 24FEB04	29MAR04	0	-146								Tel		1	
05-54506	Construct Stairway for FB03 (South)	30 30MAR04	08MAY04	0	-146					-+		· · · · ·			:	
6. Retain	ing Walls							1 .							į	
÷ .	d Earth Wall 21	家教室资料	中有許多												l	
RE2114	Finishing Work	56* 16DEC03A	25FEB04	43	-90 H		- 11									
RE2115	Construct end walls & copping	30 16DEC03A	10JAN04A	100	. 1											
RE2116	Backfill slope on top of RE wall	30 12JAN04A	11FEB04	33	-145			·								
RE2117	Trim slope & construct berm & channel	18 05FEB04	25FEB04	0	-90						· .					
Reinforce	d Earth Wall 70			- 198 A.												
RE7012	Finishing Work	68* 02DEC03A	25FEB04	53	-90		11									
RE7014	Backfill slope on top of RE wall	30 12DEC03A	11FEB04	33	-145				<u> </u>			<u>:</u> !				
RE7015	Trim slope & construct berm & channel	30 12JAN04A	25FEB04	10	-90		!			<b> </b>						
8 Culver	rts and Outfalls										1					
Culvert-O	· · · · · · · · · · · · · · · · · · ·				\$ 31											
08-81520	Culvert-Outfall IB (South Portion)	54* 24FEB04	30APR04	0	-90					1					i i i i i i i i i i i i i i i i i i i	
08-815202	Excavation and formation	12 24FEB04	08MAR04	0	-90					1 1 1	1	•				
08-815203	Const. wing wall and cascade	18 09MAR04	29MAR04	0	-90			i				( (. v				·
08-815204	Const. ret, wall/manhole & concrete pipes	24 30MAR04	30APR04	. 0	-90						-					
Culvert-O	(1) 一、一、市市市工作化、市市市市市市市市市市市市市市市市市市市市市市市市市市市市市市市市	医疗疗律师			1.2			1							:	
08-81320	Culvert-Outfall I (South & Exist CPR)	81* 13DEC03A	23MAR04	32	-125					. / 			<u> </u>			
08-813202	Excavation and formation: South	12 13DEC03A		100	. H											
08-813203	Const, outfall wing wall	19 27 JAN04	17FEB04	0	-125											
08-813204	Const. 2mx2m twin box culvert; South	30 18FEB04	23MAR04	0	-125				l.	1	1					

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APPENDIX B Log record on environmental complaints

No.	Date of Complaint	Description	Propopsed Actions	Completion Date	Remarks
029	Received 12-Aug-02	Complaint from Mr. Au	Enlarge concrete paving at site entrance;	16-Aug-02	
		regarding muddy water washing out from Kowloon Bound Lane from the construction site	further improvement to the existing temporary drainage system to minimise wash-off of waste water to the adjacent road; and make sure temporary water supply points are properly turned off during lunch break or other times when they are not in use.		
036	31-Aug-02	Complaint from Mrs. Chung regarding the generation of fugitive dust from the construction site in front of Tsing Lung Tau Village	Frequent watering of the related works area with the aid of water browser	31-Aug-02	
054	7-Dec-02	Complaint from Mr. Lo regarding the stagnant water ponding in front of the construction site at Sham Tseng	Explained to the complainant that the water ponding was a wheel washing bay	7-Dec-02	
067	3-Mar-03	Complaint from Hong Kong Garden Management Office regarding the noise from vehicular movement over the temporary road cover at Castle Peak Road provided by the Contractor	The Contractor has added extra welding to improve the rigidity of the temporary steel deck. The work was completed dring the off-peak hours in the period between 12-Mar-03 to 17-Mar-03.	17-Mar-03	The Contractor has taken noise readings and found that the noise level was within the baseline levels.
068	11-Mar-03	Complaint from Mr. Leung at Hong Kong Garden regarding the noise from evening road traffic, travelling over the steel decking plate on the adjacnt temporary road diversion.	The Contractor has added extra welding to improve the rigidity of the temporary steel deck. The work was completed dring the off-peak hours in the period between 12-Mar-03 to 17-Mar-03.	17-Mar-03	The Contractor has taken noise readings and found that the noise level was within the baseline levels.
070	6-Mar-03	Complaint from EPD regarding the reclamation works at Seawall B opposite to Hong Kong Garden on Sunday	The Contractor has previously informed the subcontractor of the statutory requirements as noise, dust emission, water discharge, and waste management. The Contractor agreed to keep vigilant in monitoring and survellance of the site and continue to remind the subcontractors of the statutory requirements.	10-Mar-03	The Contractor has formally closed all site area for the Chinese New Year. Entrances of all site area were barricaded before the Contractor's staff vacnated the sites on 30 January 2003.
070	6-Mar-03	Complaint from EPD regarding dust emission from the reclamation works at Seawall B opposite to Hong Kong Garden.	The Contractor has previously informed the subcontractor of the statutory requirements as noise, dust emission, water discharge, and waste management. The Contractor agreed to keep vigilant in monitoring and surveillance of the site and continue to remind the subcontractors of the statutory requirements.	10-Mar-03	The Contractor has investigated and confirmed that the marine works towards the eastern end of Seawall B was wet and the concreting works at the west end of the Seawall B were not dusty and no dust was emitted. Ground surface was also covered with crushed rock. The Contractor was also further reminded to spray water before and during unloading and moving of rock boulders and onto the haul road.
070	24-Mar-03	Complaint from EPD regarding daytime construction noise at Seawall B opposite to Hong Kong Garden.	The Contractor agreed to continuously monitor and review the operation in the vicinity opposite to Lung tang Court, in order to minimize the noise impact caused to the public. In addition the Contractor will respond to the complaints received on the 24- hours Contract Complaint Hotline 2496 2555 in the first instant.	31-Mar-03	No exceedance was recorded at the noise monitoring station WN6, WN7 and WN8 from January 2003 to March 2003. It was suspected that the noise was due to traffic noise together with operational noise of plant equipment at Seawall B. The Contractor was also reminded if reorganzation of working arrangement is necessary, mitigation proposal should be submitted to IC(E) for review. Additioinal noise monitoring shall also be conducted at the noise monitoring station WN8 once the mitigation proposal is implemented.

	Date of			Comulation	
No.	Complaint Received	Description	Propopsed Actions	Completion Date	Remarks
076	15-Apr-03	Complaint from Mr. Wong of TL 60 Management Limited regarding the noise nuisance generated from the vehicle movement over the temporary steel decking in front of Hong Kong Garden at Castle Peak Road provided by the Contractor.	The Contractor has replaced the isolated decking plate by 17 April 2003 and agreed to frequently inspect the condition of the steel decking. Further improvement works were completed on 25 April 2003.	25-Apr-03	
078	15-Apr-03	Complaint from Mr. Chau of Hong Kong Garden regarding the noise nuisance generated from vehicle movement over the temporary steel plate in front of the premises.	The Contractor has explained to Mr. Chau that the improvement works were completed on 25 April 2003 and agreed to carry out daily inspection to check the condition of the steel plate.	29-Apr-03	The complainant agreed that the noise nuisance has abated.
080	5-May-03	Complaint from Mr. Tsao / Mr. Chan of Mui Yuen, opposite to Bayside Villas regarding water leakage from the rocky slope behind his house and the damage of water pipes by cleaning works.	The water pipe was repaired on 9 May 2003. The Contractor has explained that the rocky slope was ouside the site boundary.	9-May-03	
082	7-May-03	Complaint from Ms. Chan regarding water ponding	The Contractor has formed holes at existing upstand wall to drain off water trapped in the adjacent footpath and to patch up local depression at the affected footway with plain concrete.	19-May-03	
084	21-May-03	Complaint from Ms. Lam of Sea Crest Villa Phase I regarding construction noise from the slope works outside Sea Crest Villa Phase I.	The Contractor has observed low-noise emission construction equipment were being used at the time of inspection and proposed to speed up the works to limit the duration of daytime construction noise impact. The Contractor has provided additional information in their letter ref. HY/99/18/M45/300/40/10229 dated 25 June 2003. Additional noise monitoring had been taken by the Contractor on 22 May 2003 at WN15 obtaining the result of 66.6dB(A), which was below the limit level of 75dB(A). After reviewing the findings and investigation details, the Contractor confirmed that no further remedial actions was required.	25-Jun-03	The Contractor was requested to submit mitigation proposal to IC(E) for review and to implement the mitigation proposal. Additioinal noise monitoring is required to be conducted at the noise monitoring station WN15 once the mitigation proposal is implemented. The IC(E) had no comment on the Contractor's findings. Since no mitigation measures were implemented, additional noise monitoring was not conducted.
086	23-May-03	Complaint from Mr. So regarding stagnant water in the drainage and wheel washing bay near the entrance of Sea Crest Villa Phase IV and the damage of road surface near L1 main gate and CLP electricity supply room.	Explained to the complainant that the stagnant water inside the wheel washing bay was for cleaning of vehicle. The leakage found the temporary water pipe was repaired. The water and silt trapped in the U-channel near the main entrance of the estate was removed and the kerb on west side of the run-in to Gate L1 was reinstated.	29-May-03	The Contractor will properly maintain the wheel washing facility, regularly inspect and clean the drainage channel and the gully pots near the main entrance of the estate. The damaged paving slab and cable pit near the power supply room will be restored to original condition after completion of the adjacent substructure works around mid August 2003.
088	3-Jun-03	Complaint from EPD regarding construction dust from Seawall B.	The Contractor proposed to place the concerned area under higher priority and endeavor to water the concerned haul road more frequently during dry days.	6-Jun-03	No rock breaking activity has been observed in site audits since 5 June 2003. The haul road at Seawall B was observed wetted in the site audits. The Contractor was reminded to provide water spraying if there is rock breaking activity in this vicinity.

No.	Date of Complaint Received	Description	Propopsed Actions	Completion Date	Remarks
088	3-Jun-03	Complaint from EPD regarding construction noise from Seawall B.	The Contractor reported that there may be occasional crashing noise for the piling works when rock level is reached. The Contractor has been providing mitigation measures, such as barrier and restriction of the rate of concerned works. The Contractor will also endeavor to expedite the works to reduce the duration of perceived daytime impact. The Contractor proposed to perform additional ad hoc inspections on Mondays, Wednesday and Fridays at the concerned area to confirm continual implementation of measures and to conduct additional noise monitoring where appropriate.	6-Jun-03	No rock breaking activity has been observed in site audits since 5 June 2003. Contractor has been reminded to submit mitigation proposal to IC(E) for review and to implement the mitigation proposal if provision of additional mitigation measures is required. The Contractor was also advised to provide portable noise barrier if there is rock breaking activity. Additioinal noise monitoring is also required to be conducted at the noise monitoring station WN8 once the mitigation proposal is implemented. The IC(E) had no comment on the Contractor's findings. Since no mitigation measures were implemented, additional noise monitoring was not conducted.
091	16-Jun-03	Complaint from Ms. Chan of Sea Crest Villa Phase 1 regarding noise from drilling works carried out at BPRW70 outside Sea Crest Villa Phase 1 before 07:00.	Upon investigation, the Contractor confirmed that there has been no construction work being conducted before 07:00. Nevertheless, the Contractor has scheduled the concerned work to be commenced at 08:00 as on 17 July 2003.	17-Jun-03	
092	16-Jun-03	Complaint from Mrs. Chung of Lido Garden regarding noise from drilling works carried out at BPRW70 opposite to Lido Garden before 07:00.	Upon investigation, the Contractor confirmed that there has been no construction work being conducted before 07:00. Nevertheless, the Contractor has scheduled the concerned work to be commenced at 08:00 as on 17 July 2003.	17-Jun-03	
097	27-Jun-03	Complaint from Mr Fok of Kai Shing Management Services regarding noise nuisance and the ponding of stagnant water arising from the construction activities outside Sea Crest Villa Phase III.	Upon investigation, the condition of water pumps installed separately at east end of the slope close to SCV Phase III and Pai Min Kok Stream Course has been checked. Noise generated from the ongoing construction works in these areas has been monitored. The rock breaking with jackhammer at PMK had been completed on 26 June 2003.	4-Jul-03	After further enquiry into the nature of the complaint, its appears that the complaint refers to the extended duration of construction works in the concerned area (i.e. inconvenienve caused due to lengthy works program). The Contrator's Mr Peter Ip has explained the nature of the works to the Management Office. There have been no further complaints from SCV Phase III since the briefing.
103	31-Jul-03	Complaint from Hong Kong Management Office regarding the noise generated by vehicles running over the steel decking plate on the Castle Peak Road close to Hong Kong Garden.	The existing steel decking plate had been repaired during off peak hours and regular inspection on the condition of steel plate and adjacent road surface was agreed to be conducted.	5-Aug-03	There had been no further complaints after the repair.
105	13-Aug-03	Complaint from Mr Chow of Sham Tseng regarding fell of all old trees along section of Castle Peak Road near Ma Wan Pier.	After investigation on the matter, it had been confirmed that the felling and the transplanting of group of trees along the Castle Peak Road near Ma Wan Pier had been carried out in compliance with approved plans and schedules. No follow up is required.	16-Aug-03	
108	11-Sep-03	Complaint from Mr Edith Lee of Sea Creat Villa Phase I complained that it was very dusty at her house and she found that there was no water spraying at the construction site of the slope near Ma Wan Pier.	After investigation on the matter, water browser was arranged for spraying through the haul road. Rock breaking location would be sprayed directly connected from water supply point. To follow up the case, water browser would be arranged every 2 to 3 hours depends on drying up condition. A worker would be arranged for spraying water through out the rock breaking	11-Sep-03	

No.	Date of Complaint Received	Description	Propopsed Actions	Completion Date	Remarks
112	10-Oct-03	Complaint from Mr Cheung of FEHD that egarding the general refuse being accumulating on the pedestrian walkway between Sea Crest Villa Phase III and Phase II and the drainage channel at Pai Min Kok Village.	Investigation was conducted immediately on 11 October 2003. It was observed that the pedestrian walkway and Outfall I had been tidied up except at the corner of Sea Crest Villa Phase III where a broken umbrella and some broken traffic light was lying on the ground. Immediate action was taken to remove the broken umbrella and signal lights. The site area would be maintained regularly. It was noted that wooden formwork and construction materials might possibly been mistaken to be rubbish.	13-Oct-03	
114	25-Nov-03	Complaint log no. 114 was received on 25 November 2003 regarding the muddy water found on the beach opposite to Sea Crest Villa Phase III.	An inspection for the concerned site area at the interface between the beach and the construction site revealed that there was no evidence of active construction works adjacent to the beach or the presence of muddy water. There was also no evidence of muddy water discharge from Outfall I. The work programme for the following days leading up to the complaint was inspection and found that the bored piling activity had been completed and removed since 15 November 2003. The contractor would regularly monitor the area for muddy water. If potential discharge sources were identified, the Contractor would take action to rectify the situation.		
115	30-Nov-03	Complaint from Miss Chan of Sham Tseng Latrine was received on 30 November 2003 regarding the pond of foul water at the footway in front of Sham Tseng Latrine.	An inspection for the concerned site area was carried out. The water ponding was confirmed to be overflow from the terminal manhole, which was a part of public latrine system. The maintenance of the public latrine and the associated systems were the responsibility of FEHD. The Contractor had contactedFEHD to follow up the issue.	1-Dec-03	
116	6-Dec-03	Complaint from Mr Paul Wong of Hong Kong Garden Management Office was received on 6 December 2003 regarding construction noise during early hours of 8:00am.	Inspection of concern area and no abnormal construction activities was found. The Contractor had explained to the Complainer that no statutory permit was required for construction work other than percussive piling at 8:00am and the nature of works conducted at the area was well within permitted limits. ET was reminded the Contractor to implement noise mitigation proposal in accordance with EM&A Manual.	8-Dec-03	Noise generated from the ongoing construction works in these areas was monitored and no exceedance was found. As the Contractor had responded to the complainant and no further complaint was recorded, the Contractor proposed that no further remedial/ preventative measures were necessary.