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 February 2004 to April 2004

Second 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

February 2004 to April 2004

May 2004

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13 May 2004

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Your Ref:	
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910-06/E04-36778

For attention of: Mr. Sam Tsoi

Dear Mr. Tsoi

#### Contract HY/99/18 West Contract

Castle Peak Road Improvement between Sham Tseng and Ka Loon Tsuen, Tsuen Wan Quarterly EM&A Summary Report (Feb – Apr 2004)

We refer to the electronic version of the captioned report submitted by your Ms. Sherry Tsang via e-mail on 7 May 2004. We have no 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

MHJV

Maeda

Coleman Ng Project Manager HYDER CONSULTING LIMITED

CC

Attention: Mr. Jeff Yu Attention: Mr. Derek Elliott (Fax: 2417-0134) (Fax: 2491-9678)

CN/TKF



# ARUP

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#### **Document Verification**

Page 1 of 1

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# CONTENTS

		Page
EXECUT	IVE SUMMARY	1
1.	INTRODUCTION	3
1.1	Project Background	3
1.2	Designated Project	4
1.3	Impact EM&A Requirements	4
1.4	Purpose of the Report	4
2.	ENVIRONMENTAL STATUS	5
2.1	Construction Programme	5
2.2	Construction Activities of the Quarter	5
3.	SUMMARY OF EM&A REQUIREMENTS	6
3.1	Air Quality Monitoring	6
3.2	Construction Noise Monitoring	7
3.3	Water Quality (Designated Project)	9
3.4	Landscape and Visual Monitoring and Audit	13
3.5	Performance Limits and Event-Action Plans	14
4.	AIR QUALITY	23
4.1	1-hour TSP Monitoring Results	23
4.2	24-hour TSP Monitoring Results	24
5.	NOISE	25
5.1	Noise Monitoring Results	25
6.	WATER QUALITY (DESIGNATED PROJECT)	26
6.1	Suspension of Marine Monitoring	26
7.	LANDSCAPE AND VISUAL MONITORING AND AUDIT	27
8.	QUARTERLY SUMMARY, ENVIRONMENTAL COMPLAINT AND NON-COMPLIANC	
	RECORDS	28
8.1	Summary of Waste Disposal	28
8.2	Complaint Record	28
8.3	Non-compliance	28
8.4	Notification of Summons and Successful Prosecution	29
8.5	Environmental Licenses	29
9.	COMMENTS, RECOMMENDATION AND CONCLUSION	30
9.1	Comments and Recommendations	30
9.2	Conclusion	30
10.	REFERENCES	31

#### **APPENDICES**

#### APPENDIX A

Construction programme

#### **APPENDIX B**

Log record on environmental complaints

#### TABLES

- Table 3-1 TSP monitoring parameters and frequency
- Table 3-2 Air quality monitoring locations
- Table 3-3Construction noise monitoring parameters and frequencyTable 3-4Construction noise monitoring locations
- Table 3-5 Water quality monitoring locations
- Table 3-6 Action and Limit Level for air quality
- Table 3-7 Event/Action plan for air quality
- Table 3-8 Action and Limit Levels for construction noise
- Table 3-9 Event/Action plan for construction noise
- Table 3-10 Action and Limit Levels of water quality
- Table 3-11 Event/Action plan for water quality
- Table 3-12 Event/Action plan for landscape and visual impact
- Table 8-1 Waste disposal quantity in the period from February 2004 to April 2004
- Table 8-2 Summary of exceedances

#### **FIGURES**

- Figure 1-1 Site location plan
- 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
- Figure 4-1 Trend of 1-hour TSP levels from February 2004 to April 2004
- Figure 4-2 Trend of 24-hour TSP level from February 2004 to April 2004
- Figure 5-1 Trend of noise level from February 2004 to April 2004

# 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 ninth 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 February 2004 to April 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  $283.7\mu g/m^3$  recorded at Lido Garden Tower 1 (WA11) on 31 March 2004 while the lowest 1-hour TSP level was  $92.3\mu g/m^3$  recorded at Podium of Sea Crest Villa Phase 4 Block 12 (WA7) on 22 April 2004. There was no exceedance of Action and Limit Levels in the reporting period.

The highest 24-hour TSP level was  $228.1\mu$ g/m<sup>3</sup> recorded at Tsing Lung Tau Tin Hau Temple (WA6) on 9 March 2004 while the lowest 24-hour TSP level was  $11.4\mu$ g/m<sup>3</sup> recorded at Car Park of Sea Crest Villa Phase 2 Block 6 (WA9) on 15 March 2004. Exceedance of Action Level was recorded at Tsing Lung Tau Tin Hau Temple (WA6) on 9 March 2004. There was no abnormal construction activity carried out near WA6 and no visible dust source was found during the 24-hour TSP monitoring period. As it was noticed that intensive burning of incense and candle occurred in the open space of Tin Hau Temple on the same day, this exceedance was highly probably not justified to the construction activities and there was no non-compliance recorded during the 24-hour TSP monitoring period on 9 March 2004.

# <u>Noise</u>

The highest noise level was 75.4dB(A) recorded at Podium of Sea Crest Villa at Phase 1 Block 1 (WN15) on 17 March 2004 while the lowest noise level was 61.6dB(A) recorded at Podium of Sea Crest Villa Phase 3 Block 8 (WN13) on 16 April 2004. There was no exceedance of 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. Since then, there was neither instruction from RE/Contractor on further marine monitoring nor additional information on marine reclamation works.

# Landscape and Visual

A total of 7 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 54 loads of Construction & Demolition (C&D) waste had been disposed of at WENT Landfill in the reporting period. A total of 4,994 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 1 environmental complaint, regarding noise from the temporary steel plates on road pavement near Blocks 1 and 2 of Hong Kong Garden, was received in the reporting period. The complaint had been solved after investigation.

#### Non-compliance

There was no non-compliance for air quality and noise monitoring during the reporting period. However, there was one exceedance of Action Level on 24-hour TSP monitoring, which was unrelated to construction activities.

# **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.

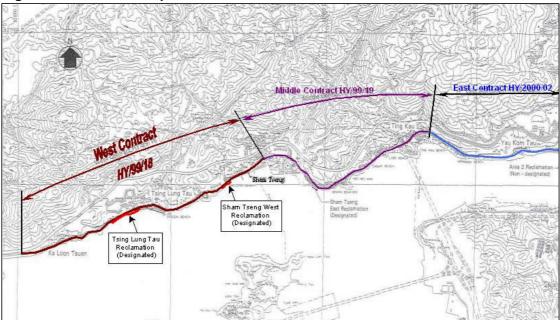


Figure 1-1 Site location plan

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 February 2004 to April 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)
WA2	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.

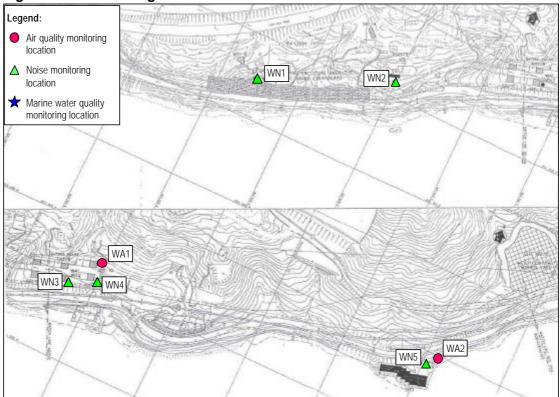
#### 3.3.3 Monitoring Locations

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.

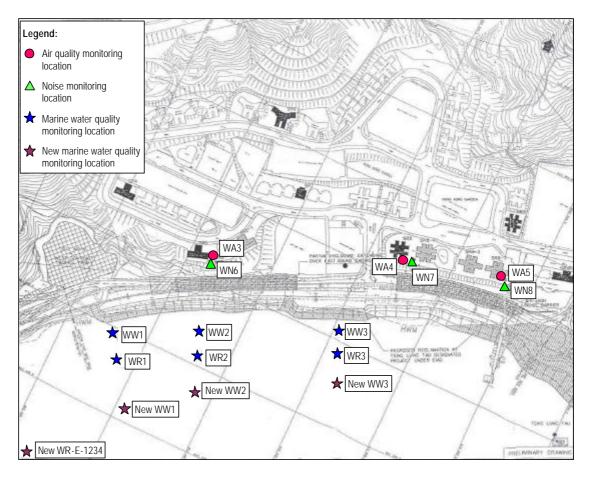
Water Monitoring S	tation No.	Loca	tion
water monitoring 5		Eastings	Northings
Tsing Lung Tau	WW1 (Impact Station)	822306	824405
	WW2 (Impact Station)	822377	824462
	WW3 (Impact Station)	822529	824500
	WW4 (Impact Station)	822775	824560
	WR-E-1234 (Control Station for Mid-Ebb Tide)	822204	824312
	WR-F-1234 (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



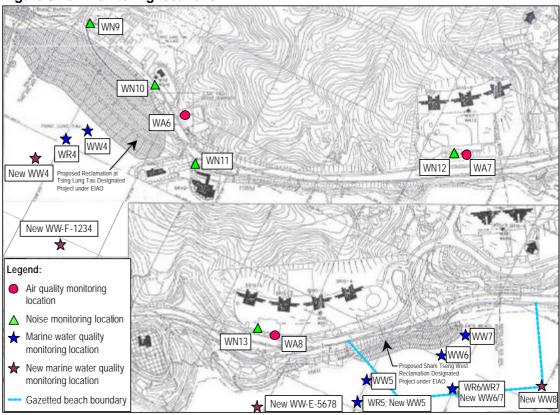
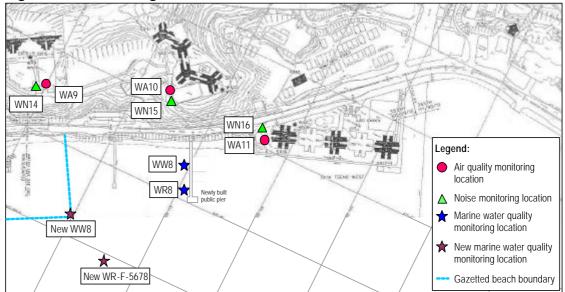
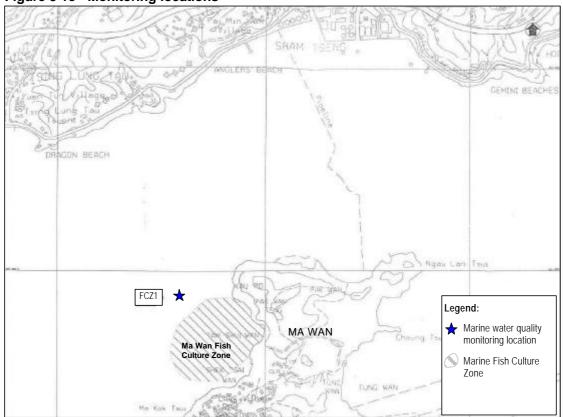


Figure 3-1c Monitoring locations

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 I	Level 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

Ev	ont	· · ·	Action		
	ent	ET Leader	IC(E)	ER	Contractor
Act	ion Level				
1.	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>
2.	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>Discuss with the ET Leader and the Contractor on possible remedial measures.</li> <li>Advise the ER on the effectiveness of the</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>
Lim	it Level				
1.	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>	Leader. 2. Check the Contractor's working method. 3. Discuss with the ET Leader and the Contractor on possible remedial measures.	<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>
2.	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>	<ul> <li>and the Contractor on the potential remedial actions.</li> <li>2. Review the Contractor's remedial actions whenever necessary and advise the ER accordingly.</li> <li>3. Supervise the implementation of remedial measures.</li> </ul>	<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
--

Time Period				Action	Limit
0700 - 1900 hours on any day not being a Sunday or public holiday			ot 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 - 07:00 hours on all days					40 <sup>(2)</sup> / 55 <sup>(3)</sup>
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 Construction Work in Designated Areas (DA-TM).			
	(3)	Refers to the types of Plant regulated under the Technical Memorandum on Noise Othe 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 memory as 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							
Event	ET Leader	IC(E)	ER	Contractor				
Action Level	<ol> <li>Notify the IC(E) and the Contractor.</li> <li>Carry out investigation.</li> </ol>	<ol> <li>Review with analysed results submitted by the ET.</li> <li>Review the proposed remedial</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> </ol>	<ol> <li>Submit noise mitigation proposals to IC(E).</li> <li>Implement noise mitigation</li> </ol>				
	<ol> <li>Report the results of investigation to the IC(E) and the Contractor.</li> <li>Discuss with the Contractor and formulate remedial measures.</li> <li>Increase monitoring frequency to check mitigation measures.</li> </ol>	<ol> <li>Review the proposed remedial measures by the Contractor and advise the ER accordingly.</li> <li>Supervise the implement of remedial measures.</li> </ol>	<ol> <li>Require the Contractor to propose remedial measures for the analysed noise problem.</li> <li>Ensure remedial measures are properly implemented.</li> </ol>	proposals.				
Limit Level	<ol> <li>Notify the IC(E), the ER, the EPD and the Contractor.</li> <li>Identify the source.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency.</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented.</li> <li>Inform the IC(E), the ER, and the EPD the causes &amp; actions taken for the exceedances.</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>Discuss amongst the ER, the ET Leader and the Contractor on the potential remedial actions.</li> <li>Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly.</li> <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>Require the Contractor to propose remedial measures for the analysed noise problem.</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>				

# 3.5.3 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-Ebl	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>	For EPD: <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	
(IIIy/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: 25.9 and 130% of upstream control station's SS at the same tide of the same	
Tby (NTU) (Depth-averaged) Notes: "Depth-aver		25.2	31.5	<u>For EPD</u> : <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

tes: "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths. 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						
Lvent	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 mitgation 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						
Lvcin	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 remedial actions until rectification has been completed.</li> </ol>	<ol> <li>Check report.</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 effectiveness of proposed remedial measures.</li> <li>Check implementation of remedial measures.</li> </ol>	<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 remedial actions until rectification has been completed.</li> <li>If exceedance stops, cease additional monitoring</li> </ol>	<ol> <li>Check monitoring report</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 effectiveness of proposed remedial measures.</li> <li>Supervise implementation of remedial measures.</li> </ol>	<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  $283.7\mu g/m^3$  recorded at Lido Garden Tower 1 (WA11) on 31 March 2004 while the lowest 1-hour TSP level was  $92.3\mu g/m^3$  recorded at Podium of Sea Crest Villa Phase 4 Block 12 (WA7) on 22 April 2004.

There was no exceedance of 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.

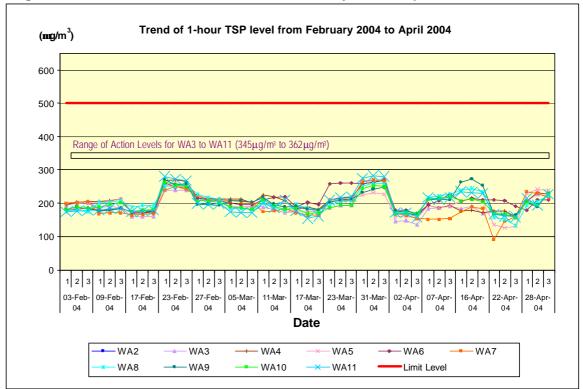


Figure 4-1 Trend of 1-hour TSP levels from February 2004 to April 2004

# 4.2 24-hour TSP Monitoring Results

The highest 24-hour TSP level was  $228.1 \mu g/m^3$  recorded at Tsing Lung Tau Tin Hau Temple (WA6) on 9 March 2004 while the lowest 24-hour TSP level was  $11.4 \mu g/m^3$  recorded at Car Park of Sea Crest Villa Phase 2 Block 6 (WA9) on 15 March 2004.

Exceedance of Action Level was recorded at Tsing Lung Tau Tin Hau Temple (WA6) on 9 March 2004. There was no abnormal construction activity carried out near WA6 and no visible dust source was found during the 24-hour TSP monitoring period. As it was noticed that intensive burning of incense and candle occurred in the open space of Tin Hau Temple on the same day, this exceedance was highly probably not justified to the construction activities and there was no non-compliance recorded during the 24-hour TSP monitoring period on 9 March 2004.

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

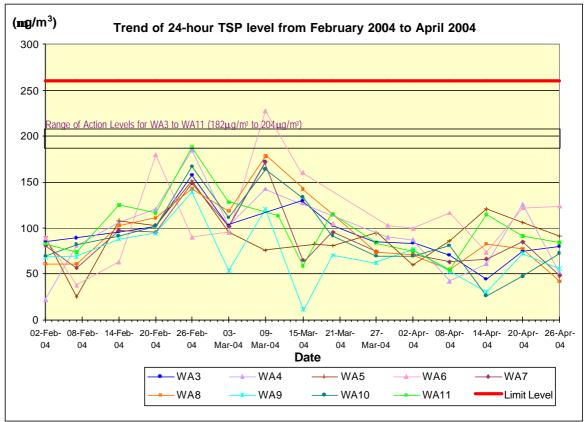


Figure 4-2 Trend of 24-hour TSP level from February 2004 to April 2004

# 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 75.4dB(A) recorded at Podium of Sea Crest Villa at Phase 1 Block 1 (WN15) on 17 March 2004 while the lowest noise level was 61.6dB(A) recorded at Podium of Sea Crest Villa Phase 3 Block 8 (WN13) on 16 April 2004.

There was no exceedance of 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.

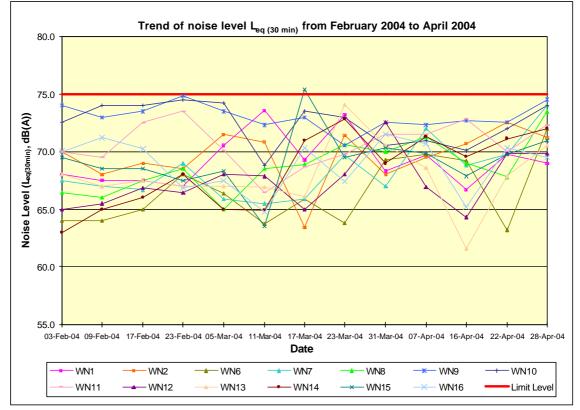


Figure 5-1 Trend of noise level from February 2004 to April 2004

# 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. Since then, there was neither instruction from RE/Contractor on further marine monitoring nor additional information on marine reclamation works.

# 7. LANDSCAPE AND VISUAL MONITORING AND AUDIT

A total of 7 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		Feb-04	Mar-04	Apr-04	Total
C&D waste	WENT Landfill	10 loads	20 loads	24 loads	54 loads
C&D material	Public Filling Area in Tuen Mun	1,034 loads	1,792 loads	2,168 loads	4,994 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 February 2004 to April 2004

# 8.2 Complaint Record

A total of 1 environmental complaint, regarding noise from the temporary steel plates on road pavement near Blocks 1 and 2 of Hong Kong Garden, was received in the reporting period. The complaint had been solved after investigation. A log record on the environmental complaints is given in Appendix B.

# 8.3 Non-compliance

There was no non-compliance for air quality and noise monitoring during the reporting period.

However, there was one exceedance of Action Level on 24-hour TSP monitoring, which was unrelated to construction activities. A summary of the exceedance in the reporting period is given in Table 8-2.

Table	<u>e 8-2 Si</u>	immary o	JI exce	edance	-5		
	N	lonitoring		Action	Limit	Investigation	Non-
	Date	Location	Result	Level	Level	Findings	compliance
24-hour TSP (mg/m <sup>3</sup> )	09-Mar-04	WA6	228.1*	204	260	No abnormal construction activity was carried out near WA6 and no visible dust source was found during the 24-hour TSP monitoring period. On the contrary, it was noticed that intensive burning of incense and candle occurred in the open space of Tin Hau Temple on the same day. In addition, the 24- hour TSP levels at other monitoring stations were comparatively higher than normally recorded.	The exceedance was not justified as non- compliance. Nevertheless, the Contractor had been advised to properly implement the dust suppression measures.

 Table 8-2
 Summary of exceedances

### 8.4 Notification of Summons and Successful Prosecution

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

29

# 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. Provision and improvement of wheel washing facilities were in progress. Some entrances had been closed and proper labelling of entrances was provided.

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. Exposed slopes and stockpiles was occasionally spotted but were covered after requested.

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. General housekeeping was gradually improving.

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 February 2004 to April 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.

30

## 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.

31

APPENDIX A Construction programme

	· · · · · · · · · · · · · · · · · · ·			1						2004					
Activity	Activity	Orig Early	Early	% 1	otal	Δ	PR		MAY	2004	JUN			<u>u</u>	Y
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1. Prelim	inaries														
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Waste Ma			1												
01-1166	Implement & Monitor WMP	1.171 21DEC01A	18APR05	67	0			]							
H					· · ·										
	nce of Traffic Flow	1,171 24NOV01A	18APR05	67	0					<u></u>		1			
01-1153	Maintain Traffic Flow					<u> </u>					·				_
2	ental Monitoring & Audit	1,601 08MAR02A	17 11 1006	49											
01-11702	Implement & Maintin Impact Monitor & Audit	I I OUI VOMARUZA	1												
Interfacing	g and Coordination	· · · · · · · · · · · · · · · · · · ·													1
01-1173	Coordination/Integration with Interfacing Works	1,171 01DEC01A		67	0			I							1.
01-1174	Provide Reasonable Access to Other Contractors	1,171 01DEC01A	18APR05	6/	U			+							
16 3165	Safety				) d					1					
12				1	é, i		1					j	·····		ni 11245
	inagement System	1,151 14DEC01A	18APR05	66	0			1		i					
当 16-1612 				h a d				ì							
<b>JOHNO</b>	m Chainage 0+900 to Chainage 1+8	570		1997, fa Saturi anna a Tara											
1. Prelim	동안에 가지 않는 것이 같아요. 이 것 같은 것 같은 것 같은 것이 같은 것이 가지 않는 것 같은 것 같은 것이 있는 것이 같이 있는 것 같이 있는 것이 같이 있는 것이 없다. 이 가지 않는 것이 있는 것이 없는 것이 없는 것이 없는 것이 없다. 이 가지 않는 것이 없는 것이 없다. 것이 없는 것이 없다. 것이 없는 것이 없다. 것이 없는 것이 없 않는 것이 없는 것이 없 않는 것이 없는 것 않이														
		i sa set		- 83. 								-			
	Pro. Gasmain on E/B C.way CH1570-1650	23 25MAR04A	20APR04	87	-13			_							
01-1202	Pro. Gasmain on E/B C.way CH1550-1570, 1650-1700	23 10MAY04	05JUN04	0	-28		1								
01-12022	Proposed HT on E/B C,way CH1550-1700	B 29MAY04	07JUN04	0	-21										
01-12024	Proposed HKT on E/B C.way CH1680-1700	8 05JUN04	14JUN04	0	-21	]									
01-12025	Proposed CLP on E/B C.way CH1550-1700	8 12JUN04	21JUN04	0	-21										
01-12020	Proposed CLP at Access Rd R8	10 18JUN04	30JUN04	0	84								STREET,		
01-12202	Proposed NWT at Access Rd R8	10 02JUL04	13JUL04	0	84	4		1		1				2	
01-12032	Proposed HT on E/B C,way CH0960-1100	7 08JUL04	15JUL04	0	-121	-							1	hite and	3
01-12032	Proposed HT at Access Rd R8	10 14JUL04	24JUL04	0	B4	4		1					1		1
01-12034	Proposed CLP on E/B C.way CH0960-1100	7 16JUL04	23JUL04	0	-12	<b></b>									·
	works									į					
5 E															
Earthwor	ks	173 16SEP03A	20APR04	68	-18	, <b></b>									
VO214	Add, retaining wall at House no. 6; VO 214	8 25MAR04			<u>.</u>					i -					
VO2148	Mass concrete wall at West: bays 1-2	6 13APR044		30		<b>i</b> •							1		
VO2149	Back filling & drainage behind retaining wall	14 09JUN04	25JUN04		-1	4									
03-3011	Earthworks Along W/B C/W CH1464 to 1554						Sheel	1 of 12		93. 498	N		April 2004		1
Start Date	23NOV01	1 11	VI00140	Mae	da U	orporation	nprovement				1	Date HAPR03 revision c		Checked	Appiove
Finish Date Data Date	16APR041	-0.	17/99/18 2	- Castl Month	8 "6 Roll	ing Progra	mme	•		. Se allarente	Ϋ́ π	10 JUNO3 revelon d 10 JUNO3 revision e			1
Run Dale	27APR04 11:08	Itical Activity	-6	• monu	ΛŲΠ	mg i rogra						30.5UL03 revision 0 17SEP03 revision 0	II		<u> </u>
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Drainage Works         Operating a long E/B C/way bet CH1550-1700         36 25MAR04A         12MAY04         40         -13           03-3133         Drainage atong E/B C/way bet CH1550-1700         36 25MAR04         12MAY04         40         -13           03-3134         Drainage atong E/B C/way bet CH0980-1050         12 23JUN04         07JUL04         0         64           03-3128         Drainage atong E/B C/way bet CH0980-1050         12 23JUN04         07JUL04         0         -121           03-3153         Pipe Works (Local Supply Watermains)	
Draininge Works         01/00	
[2-313]       Drainage along ERG Cway bel (H1650-1700)       12	_1926
123314       Ortsches al Access Real R8       10/24/26       0	
102-3138       Dimense aloue BC Owarlet Ch0980-1050       1233000       123100       121         Pipe Works       CLocal Supply Wetermains)	
Pipe Works (Local Supply Watermains)         Image: Comparison of the Childs-1700         Image: Comparison of the	
ID-3133       Flow Works on CHE Creary bell CH1500-1700       21 2144/474       1440/45       0       0         ID-3136       Flow Works at Access Road B3       201 344/474       2440/45       0       0         ID-323126       Flow Works at Access Road B3       201 344/474       2440/45       0       0         ID-32322       Star Kall Cover CH1070-1350       30 224/4884       264/474       72       145         ID-32322       Star Kall Cover CH1070-1350       9       24/4884       21/44/474       0       145         ID-33223       Domatoria Cover CH1070-1350       9       24/4884       21/44/474       0       145         ID-33225       Domatoria Cover CH1070-1350       9       24/4844       0       145         ID-33205       Dowart Traffic to ED Cover CH1070-1350       10 24/484       0       145         ID-33212       Construct in Dave Kits RW2 & Intall Gate Bay Sile VI       30 64/44       0       145         ID-33212       Construct in Dave Kits RW2 & Intall Gate Bay Sile VI       30 64/444       0       145         ID-33212       Construct Gate Bay Kits With Bubor F B12: 17 piles       81/44/444       141/24       147         ID-53312       Pile Istait Ninton Supcon for F B12: 14 piles       61/58/444	
103-3194       Pipe Works at Access Rogd R8       29 JMANKE       24 JMANKE       6       6         Road Works       Temp Rdworks at EB C Vew (CH1070-1350)       30 ZMARSAL (SAMYKE / 10       75       456         03-3022       Stew fails (cowards South at CH 1450-1550)       30 ZMARSAL (SAMYKE / 2       75       456         03-3023       Comstruct rd cover, CH1070-1350)       0       20 ZMARSAL (SAMYKE / 2       75       456         03-3024       Stew fails (cowards South at CH 1450-1550)       30 ZMARSAL (SAMYKE / 2       6       455         03-3025       Divert Traffic to ER CWay (CH1550-1700)       12 V6UARSA (SAURSAL (SAURSAL (SAURSAL )       36         03-3106       Devent Traffic to ER CWay (CH1550-1700)       12 V6UARS (SAURSAL )       30       38         03-32180       Comprish exist, RMARSA (SAURSAL )       30.404 40       38       38         03-32180       Comprish exist, RMARSA (SAURSAL )       30.404 40       38       38         03-32180       Comprish exist, RMARSA (SAURSAL )       30.404 40       38       38       38         Footbridge FB12       Traite B (SAURSAL )       39.404 40       39.404 40       38       39       39         05-53312       Prink Work at South Support for FB12; 14 piles       64 / 484 40 48       28.404 40	
Construct Lob Development of Constructions of Loborations of Lobo	
D3:3024       Temp Rdworks at EIB C Wary (CH1070-1350)       30       20       20       20         D3:30223       Slew Taffic towards South at CH 1450-1550       30       21 APR62       270×1794       0       15         D3:3023       South Taffic towards South at CH 1450-1550       10       22 APR68       0       165         D3:3025       Diven Traffic to EIB C Wary CH1070-1350       0       10       30       14         D3:3105       Diven Traffic to EIB C Wary CH1550-1700       0       10       30,004       0       28         D3:32136       Divent Traffic to EIB C Wary CH1550-1700       10       10       30       10       10       28         D3:32136       Divent Traffic to EIB C Wary CH1550-1700       10       10       10       30       10	
33-302.32       Stew traffic towards South at CH 1450-1550       30       21/24/204       21/24/204       0       1         33-302.3133       Construct of pave. E/B CH 1100-1205       11       12/24/204       0       185         33-302.3105       Deven Traffic DE BC Oway CH 1500-1700       12       Hawned       0       185         33-3105       Termo Réworks at E/B C Way CH 1500-1700       12       Hawned       0       28         33-321.310       Deven Traffic DE BC Oway CH 100-1350       0       30,440.40       0       28         33-321.310       Deven Traffic DE BC Oway CH 100       15       Hawned       30,440.40       0       28         33-321.810       Demoline jexit, RW2a & Install Cata Bay Sife VI       30       Skutck 80,400.00       0       90         33-321.82       Demoline jexit, RW2a & Install Cata Bay Sife VI       30       Skutck 80,400.00       0       28         Footbridge FB12       Demoline jexit, RW2a & Install Cata Bay Sife VI       30       30       100       100         56-533012       Pile tests at North Support for FB12; 17 piles       61       Isawaka       30       170         56-53301       North Cell cans for FB12; 8 Nos.       40       Iorseawaka       30       170	
03-32133       Canstruct of pave: Ells CH1100-1205       11       224-9744       0       185         03-3225       Divert Traffic to <i>Ells</i> Cway CH1070-1350       0       584/744       0       185         03-3205       Divert Traffic to <i>Ells</i> Cway CH1070-1350       0       584/744       0       185         03-3105       Term Rdwords at Ells CWay CH1050-1700       0       30/044       0       284         03-3213       Low Tanffic to <i>Ells</i> Cway CH1050-1700       10       30/044       0       784         03-3213       Low Tanffic to <i>Ells</i> Cway CH1050-1700       10       30/044       0       784         03-32130       Demolish eixst. RW2a & Insill Gate.Bay Side VI       30       654/0444       30/044       9       784         03-32130       Construct of pave & Mio Ells       Ells CH05050-1100       10       13/0444       30/044       9       785         03-32130       Demolish eixst. RW2a & Insill Gate.Bay Side VI       30       60       14/0444       30/044       9       776         03-32130       Demolish eixst. RW2a & Insill Gate.Bay Side VI       30       60       172       76       76       76         05-53102       Pilon Work at South Support for FB12; A No.s.       40       60 <t< td=""><td></td></t<>	
023-025       Construct 7 back 2016 (2017) (2015)       11 (2017) (2015)       10 (2017) (2015)         023-025       Divert Traffic to EB (Cway (CH1550-1700)       12 totuned       2014)       2014)         023-0215       Divert Traffic to EB (Cway (CH1550-1700)       12 totuned       2014)       2014)         033-0215       Divert Traffic to EB (Cway (CH1550-1700)       19 totuned       2014)       2014)         033-0215       Divert Traffic to EB (Cway (CH1550-1700)       19 totuned       2014)       2014)         033-0215       Law sub-base, kerbs & dedings; EB CH0950-1100       19 totuned       2014)       2014)         03-32213       Law sub-base, kerbs & dedings; EB CH0950-1100       19 totuned       2014)       2014)       2014)         03-32132       Demoleh kixt, RV22 & Install Gate, Bay Side VI       30 dotuned       2014)       2014)       2014)         05-53102       Phile tasts al North Support for FB12; 17 piles       01 totawer, 034, 034, PR04       30 trip       100         05-53301       North Columns Obm Bow FI, FB12; 10 alles       01 totawer, 034, 034, PR04       01 tota       101         05-53302       South Pile caps for FB12; 6 Nos.       40 Orizawa, 24, PR04       01 tota       102         05-53302       South Pile caps for FB12; 10 all 0       01 totawer, 03 a	
03:3103       Temp Rdworks at E/B C/way (CH1550-1700)       12       84,0464       0       -28         03:3105       Divent Traffic to E/B C/way (CH1550-1700)       0       00,04084       0       -28         03:32105       Demolish eixst, RW2a & Install Gate, Bay Side VII       20       05,04104       0       -126         03:32130       Demolish eixst, RW2a & Install Gate, Bay Side VII       20       05,04104       0       -126         03:32130       Construct rd pave & Krp, E/B CH0950-1100       15       15,04104       0       -126         C5:320120       Pillog Work at South Support for FB12; 17 piles       6       14,44084       0       -126         05:53102       Pillog Work at South Support for FB12; 17 piles       6       14,44084       0       -126         05:53102       Pillog Work at South Support for FB12; 17 piles       6       15,44084       0       -126         05:5320       North Pile case for FB12; 8 Nos.       46       0       -470       -472         05:5320       South Work at South Support for FB12; 10 allos       6       0       -472       -472         05:5320       South Pile case for FB12; 8 Nos.       40       0       -472       -472       -472         05:42232       Construc	
003-01000       Display Diversity Traffic to E/B Cway CH1500 - 1700       0       300,808       0       24         03-3106       Demolish etsky, RW2 & Missile Vil       30       05,4024       110,808       0       24         03-32180       Demolish etsky, RW2 & Missile Vil       30       05,4044       0       128         03-32130       Demolish etsky, RW2 & Missile Vil       30       05,4044       0       128         03-32130       Construct rd pave & Vip, E/B CH0950-1100       15       13,0048       0       -128         25-501122       Pile tests at North Support for FB12; 17 piles       8       14,44444       0       -128         05-53102       Pilie cots at North Support for FB12; 14 piles       60       128       128       128         05-5330       North Cutumes 0.5m bolow FG.L. at FB12       20       20       170       128         05-5330       North Cutumes 0.5m bolow FG.L. at FB12       20       20       170       128         05-5320       South Pile caps for FB12; 6 Nos.       40       0404044       224,044       0       170         05-53210       South Pile caps for FB12; 10 30       30       105       204,044       128       128         05-52223       Construct Fachar W	
103-2213       Lav sub-base, kerbs & edgings; E/B CH0950-1100       15 (56ALG4       21ULM       0       -126         03-32180       Demolish ekst, RWZa & Install Gate, Bay Side Vil       30 (50LLG4       0 64UG4       0       60         03-32180       Construct of Debogo-1100       15 (3ULG4       0 -126       100       15 (3ULG4       0       100         25       FOOLDridge FB12       FOOLDridge FB12       17 piles       0/140K4       03APR64       100       100         05-53112       Pile tests at North Support for FB12; 17 piles       0/140K4       03APR64       100       100         05-53102       Piles Work at South Support for FB12; 12 piles       0/140K4       24UR64       0       100         05-5330       North Columns 0.5m below F.G.L. at FB12       20       20       244PR64       80       1122         05-5330       South Pile caps for FB12; 6 Nos.       60       0/140K4       24UR64       0       170         05-5232       South Pile caps for FB12; 10 as       13 0       0/190 ECGAS       240       170       122       122       122       122       122       122       122       122       122       122       123       124       124       124       125       125       1	
03:32180       Demotish eixst, RW2a & Install Gate, Bay Side Vil       30       054,14.4       064,03.0       0       80         103:32132       Construct rd pave & f(p; E/B CH0950-1100       15       134,04.4       304,04.4       0       125         Construct rd pave & f(p; E/B CH0950-1100       15       134,04.4       304,04.4       0       126         Construct rd pave & f(p; E/B CH0950-1100       15       134,04.4       304,04.4       0       126         Construct rd pave & f(p; E/B CH0950-1100       15       134,04.4       304,04.4       0       126         Construct rd pave & f(p; E/B CH0950-1100       15       134,04.4       304,04.4       30       170         Construct racing North Support for FB12; 14 piles       60       154,04.4       30       170         South Pile caps for FB12; 6 Nos.       40       60       32         South Pile caps for FB12; 6 Nos.       40       90       122         South Pile caps for FB12; 10 30       43       240,040.4       234,044       60       32         South Pile caps for FB12; 8 Nos.       40       90       120       128       128       128         South Pile caps for FB	
03:32:132       Construct rd pave & Up; E/B CH0950-1100       16       13/04.4       30/04.4       0       -125         Footbridge FB12         05:53102       Pile tests at North Support for FB12; 17 piles       8       14/04/04/04       30/04       100         05:53102       Pile tests at North Support for FB12; 14 piles       60       13/04/04       30/04       100         05:53102       Pile tests at North Pile cass for FB12; 8 Nos.       40       07FEB04A       30/04/04       0       172         05:5330       North Pile cass for FB12; 6 Nos.       40       07FEB04A       20/04/04       0       172         05:5330       South Pile cass for FB12; 6 Nos.       40       07FEB04A       20/04/04       0       172         05:5320       South Pile cass for FB12; 6 Nos.       40       07FEB04A       20/04/04       172         05:5320       South Pile casin for B12; 6 Nos.       40       04/04/04       21/24       170         05:5320       South Pile caino Boen for PRW03; 10:30       03       100/04/04       170       170         05:52222       Construct Caino Boen for PRPKV03; 10:30       03       100/04/04       20       20       20         05:62223       Construct Caino Boen for PRPKV03; 10:30 <td></td>	
5: FoolDridgeS         Pootbridge FB12         05:531122       Pile tests at North Support for FB12; 17 piles       8 14JAND4A       03APR04A       100         05:53102       Piline Work at South Support for FB12; 14 piles       60 (51ANR44 02014/84)       30 (170         05:5330       North Pile caps for FB12; 8 Nos.       40 (75EB04A       24APR04       60 (122         05:5330       North Columns 0.5m below F.G.L. at FB12       28 (24APR04       100       122         05:5320       South Pile caps for FB12; 8 Nos.       40 (74UN44)       22 (104       0       170         05:5321       North Columns 0.5m below F.G.L. at FB12       28 (24APR04)       100AY04       0       122         05:5320       South Pile caps for FB12; 6 Nos.       40 (74UN44)       22 (104)       0       170         05:6321       Construct Facing Wall for BPRW03: 1 to 30       30 (100EC03A)       20APR04       90       20         05:62223       Construct Caping Beam for BPRW03: 1 to 30       30 (100EC03A)       30 (100EC03A)       20       20         06:62250       U-channel on Fi/P at BPRW03       15 (104AY04)       07 (20 HAV04)       20       20         06:62260       U-channel on Fi/P at BPRW03       15 (20APR04)       0 (50       20       20	<u> 1967</u> (1967)
Footbridge FB12           05:531122         Pile tests at North Support for FB12; 17 piles         8         14,4AN04A         03,4PR04A         100           05:53102         Piling Work at South Support for FB12; 14 piles         60         15,4AN04A         03,0UN04         30         170           05:5330         North Columns 0.5m below F.G.L. at FB12         20         24,2APR04         90         122           05:5330         North Columns 0.5m below F.G.L. at FB12         20         24,2APR04         90         122           05:5330         North Columns 0.5m below F.G.L.         at PB12         20         24,2APR04         90         122           05:5330         South Pile caps for FB12; 8 Nos.         40         04,10V64         2,2UL04         0         170           05:63223         Construct Facing Wall for BPRW03; 1 to 30         45         24N0VG3A         23APR04         90         20           06:62233         Construct Facing Wall for BPRW03; 1 to 30         30         190 E003A         23APR04         90         20         20         20           06:622860         U-channel on F/P at BPRW03         15         30         30         30         30         30         30         30         30         30         30	e de la seguiter a
Footbridge FB12           05:531122         Pile tests at North Support for FB12; 17 piles         8         MANNAA         03APR0AA         100           05:53102         Pile tests at North Support for FB12; 14 piles         60         15ANACA         03UNNA4         30         170           05:5330         North Columns 0.5m below F.G.L. at FB12         20         22         20         20         20           05:5320         South Pile caps for FB12; 6 Nos.         40         04/UNN4         20         172         20           05:5320         South Pile caps for FB12; 6 Nos.         40         04/UNN4         22/UL04         0         170           05:6322.22         Construct Facing Wall for BPRW03; 1 to 30         45         24N0V33A         23APR04         90         20           06:622233         Construct Coping Beam for BPRW03; 1 to 30         30         19DEC03A         30APR04         90         20           06:62233         Construct U-Channel; 1 to 30         30         19DEC03A         30APR04         90         20           06:622660         U-channel on F/P at BPRW03         15         10MAY04         27/MAY04         0         20           06:622660         U-channel on F/P at BPRW60         15         20	
D5:531125         PHic tests at North Support for FB12; 17 piles         8         14JAN04A         03APR04A         100           05:53102         Piling Work at South Support for FB12; 14 piles         60         15JAN04A         03UN04         30         -170           05:53301         North Pile cass for FB12; 8. Nos.         40 07FEB04A         24APR04         60         -122           05:53301         North Columns 0.5m below F.G.L. at FB12         20         26APR04         104         -122           05:53302         South Pile cass for FB12; 6. Nos.         40 07FEB04A         24APR04         0         -122           05:53301         North Columns 0.5m below F.G.L. at FB12         20         26APR04         104         -122           05:5320         South Pile cass for FB12; 6. Nos.         40 04UW04         22U/40         0         -170           05:5320         Construct Facing Wall for BPRW03: 1 to 30         45         24N0V03A         23APR04         90         -20           06:-62233         Construct Caping Beam for BPRW03: 1 to 30         30         19DEC0A3         3APR04         90         -20           06:-622535         Fill & Trim Signe/Construct U-Channel; 1 to 30         30         90         90         -20           06:-625600 <t< td=""><td></td></t<>	
05-53102         Piling Work at South Support for FB12; 14 piles         60         15/AN04A         03/UN04         30         -170           05-5330         North Columns 0.5m below F.G.L. at FB12         20         26APR04         80         -122           05-53301         North Columns 0.5m below F.G.L. at FB12         20         26APR04         90         -122           05-5320         South Pile caps for FB12; 6 Nos.         40         04/UN04         22/UC4         0         -170           CREditining Walls           Bored Pile Wall BPRW03           Construct Caping Beam for BPRW03; 1 to 30         45         2440/03A         23APR04         90         -20           06-52232         Construct Caping Beam for BPRW03; 1 to 30         30         190E003A         30APR04         90         -20           06-62235         Fill & Trim Slope/Construct U-Channel; 1 to 30         30         190E003A         15         90         -20           06-622460         U-channel on F/P at BPRW03         15         10MAY04         27/MAY04         0         -20           06-62260         U-channel on F/P at BPRW60         15         20MAY04         07/JUN04         0         -20           Reinforced Earth Wall         01	
05-5330       North Pile caps for FB12; 8 Nos.       40       07FEB044       24APR04       80       -122         05-53301       North Columns 0.5m below F.G.L. aj FB12       20       26APR04       19MAY04       0       -122         05-5320       South Pile caps for FB12; 6 Nos.       40       04JUN44       22JU.04       0       -170         OR RESERVED         Bored Pile Wall BPRW03         OS-62232         Construct Facing Wall for BPRW03: 1 to 30       45       24NV03A       23APR04       90       -20         OS-62233         Construct Caping Beam for BPRW03: 1 to 30       30       19BEC03A       30APR04       90       -20         06-62236       Fill & Trim Slope/Construct U-Channel: 1 to 30       30       02MAR04       68       -20         06-62260       U-channel on F/P at BPRW03       15       10MAY04       27MAY04       0       -20         Bored Pile Wall BPRW60         Bored Pile Wall Bonel	
05-53301         North Columns 0.5m below F.G.L. at FB12         20         26APR04         19MAY04         0         -122           05-5320         South Pile caps for FB12; 6 Nos.         40         04JUN04         22JUL04         0         -170           05-6320         South Pile caps for FB12; 6 Nos.         40         04JUN04         22JUL04         0         -170           05-63232         Construct Facing Wall for BPRW03; 1 to 30         45         24NDV03A         23APR04         90         -20           06-62233         Construct Caping Beam for BPRW03; 1 to 30         30         19DEC03A         30APR04         90         -20           06-62235         Fill & Trim Slope/Construct U-Channel: 1 to 30         30         10DEC03A         30APR04         90         -20           06-62260         U-channel on F/P at BPRW03         15         10MAY04         90         -20         -20           8ored Pile Wall BPRW60         15         10MAY04         07JUN04         0         93         -20           8einforced Earth Wall 01         Reinforced Earth Wall 01         -52         -52         -52         -52           Reinforced Earth Wall 60         15         20MAY04         07JUN04         0         93         -52         -52	
05-5320         South Pile caps for FB 12; 6 Nos.         40         of uJUN04         22JU.04         0         -170           65. Retaining Walls         Bored Pile Wall BPRW03         South Pile Wall BPRW03         South Pile Vall Pile Vall BPRW60         South Pile Vall BPRW60         South Pile Vall BPRW60         South Pile Vall BPRW60         South Pile Vall Pile Vall BPRW60         South Pile Vall Pile Vall BPRW60         South Pile Vall Vall Vall Vall Vall Vall Vall Va	
Bored Pile Wall BPRW03         Source Paile Wall BPRW03         Source Paile Wall for BPRW03: 1 to 30         45 24N0V03A         23APR04         90         -20           06-62232         Construct Caping Beam for BPRW03: 1 to 30         30         19DEC03A         30APR04         90         -20           06-62233         Construct Caping Beam for BPRW03: 1 to 30         30         19DEC03A         30APR04         90         -20           06-62235         Fill & Trim Slope/Construct U-Channel; 1 to 30         30         02MAR04A         08MAY04         90         -20           06-62260         U-channel on F/P at BPRW03         15         10MAY04         27MAY04         0         -20           06-62260         U-channel on F/P at BPRW60         15         20MAY04         07JUN04         0         93           06-622600         U-channel on F/P at BPRW60         15         20MAY04         07JUN04         0         93           06-622600         U-channel on F/P at BPRW60         15         20MAY04         07JUN04         0         93           06-622600         U-channel on F/P at BPRW60         15         20MAY04         0         93         20MAY04         0           06-622600         U-channel on F/P at BPRW60         15         20APR04	17. A.
Bored Pile Wall BPRW03         OG-62232         Construct Facing Wall for BPRW03; 1 to 30         45 24NOV03A         23APR04         90         -20           06-62233         Construct Caping Beam for BPRW03; 1 to 30         30         19DEC03A         30APR04         90         -20           06-62235         Fill & Trim Slope/Construct U-Channel; 1 to 30         30         02MAR04A         08MAY04         90         -20           06-62260         U-channel on F/P at BPRW03         15         10MAY04         27MAY04         0         -20           06-62260         U-channel on F/P at BPRW03         15         10MAY04         27MAY04         0         -20           06-62860         U-channel on F/P at BPRW60         15         20MAY04         07JUN04         0         93           06-62860         U-channel on F/P at BPRW60         15         20MAY04         07JUN04         0         93           Reinforced Earth Wall 01         15         20MAY04         20APR04         85         -28         -	
06-62232         Construct Facing Wall for BPRW03; 1 to 30         45         24NOV03A         23APR04         90         -20           06-62233         Construct Caping Beam for BPRW03; 1 to 30         30         19DEC03A         30APR04         90         -20           06-62235         Fill & Trim Slope/Construct U-Channel; 1 to 30         30         02MAR04A         08MAY04         90         -20           06-62260         U-channel on F/P at BPRW03         15         10MAY04         27MAY04         0         -20           06-62260         U-channel on F/P at BPRW03         15         10MAY04         27MAY04         0         -20           06-62260         U-channel on F/P at BPRW60         15         20MAY04         07JUN04         0         93         8428           06-62660         U-channel on F/P at BPRW60         15         20MAY04         07JUN04         0         93         8428           Reinforced Earth Wall 01           RE0116         Mass concrete/Install panel & mesh/Backfill         36         09FEB04A         20APR04         455         -28         848           RE0118         L-shaped wall & Plinth         40         21APR04         08JUN04         0         13         848         648         648 <td></td>	
06-62233         Construct Caping Beam for BPRW03: 1 to 30         30         19DEC03A         30APR04         90         -20           06-62235         Fill & Trim Slope/Construct U-Channel: 1 to 30         30         02MAR04A         08MAY04         90         -20           06-62235         Fill & Trim Slope/Construct U-Channel: 1 to 30         30         02MAR04A         08MAY04         90         -20           06-62260         U-channel on F/P at BPRW03         15         10MAY04         27MAY04         0         -20           Bored Pile         Wall BPRW60         15         10MAY04         07JUN04         0         93           06-62660         U-channel on F/P at BPRW60         15         20MAY04         07JUN04         0         93         Massocartely and the second seco	
Od-62235         Fill & Trim Slope/Construct U-Channel; 1 to 30         30         02MAR04A         08MAY04         90         -20           06-62235         Fill & Trim Slope/Construct U-Channel; 1 to 30         30         02MAR04A         08MAY04         90         -20         Image: State Sta	
O6-62260       U-channel on F/P at BPRW03       15       10MAY04       27MAY04       0       -20         Bored Pile Wall BPRW60       06-62660       U-channel on F/P at BPRW60       15       20MAY04       07 JUN04       0       93         D6-62660       U-channel on F/P at BPRW60       15       20MAY04       07 JUN04       0       93       Elizable control of the second of the sec	
Bored Pile Wall BPRW60         15 20MAY04         07 JUN04         0         93           06-62660         U-channel on F/P at BPRW60         15 20MAY04         07 JUN04         0         93           Reinforced Earth Wall 01         Reinforced Farth Wall 01         06 09FEB04A         20APR04         65 - 26         06 - 26         0	
06-62660       U-channel on F/P at BPRW60       15 20MAY04       07 JUN04       0       93         Reinforced Earth Wall 01         RE0116       Mass concrete/Install panel & mesh/Backfill       36 09FEB04A       20APR04       85       -28         RE0118       L-shaped wall & Plinth       40 21APR04       08JUN04       0       -13       Colspan="4">Colspan="4"Colspan="4">Colspan="4"Colspan="4	
Reinforced Earth Wall 01       RE0116     Mass concrete/Install panel & mesh/Backfill     36 09FEB04A     20APR04     85     -28       RE0118     L-shaped wall & Plinth     40 21APR04     08JUN04     0     -13       Reinforced Earth Wall 60     Earth Wall 60	
RE0116       Mass concrete/Install panel & mesh/Backfill       36       09FEB04A       20APR04       85       -26         RE0118       L-shaped wall & Plinth       40       21APR04       08JUN04       0       -13         Reinforced Earth Wall 60	
RE0116       Mass concrete/Install panel & mesh/Backfill       36       09FEB04A       20APR04       85       -26         RE0118       L-shaped wall & Plinth       40       21APR04       08JUN04       0       -13         Reinforced Earth Wall 60	
Reinforced Earth Wall 60	
Reinforced Earth Wall 60	
L-Shaped Walls	····
C-Shaped Walls	
06-6106 Retaining Wall RW01 (CH1350-1400); 5 bays 111° 29JAN04A 12JUN04 40 -142	
06-61062 Construct base/wall RW-01; bays 41-45 42 12MAR04A 21MAY04 30 -142	

Sheet 2 of 12

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	% Comp	Total		AP		- 00		M/			31		UN	21 2	1 8 5		_JUL	9 2
			JLAIL	<u>l runan</u>	Leounh	TIUAL	5	12	19	26	3	10	<u>ة 17</u>	<b>4</b>	317	t	4 4	4	а <u> </u>		<b>K</b>	9 2
Shaped				17SEP04		-152	-				-							4				·:
06-6101	Retaining Wall RW01 (CH1075-1205); 13 bays	+ +	06MAY04 06MAY04	23JUN04		-152	ł											H				
06-61011	Excavate/temp soil nailing for bays 14-26		D6MAY04	12NOV04	<u>`</u>	-132			//													·
06-6102	Retaining Wall RW01 (CH1205-1350); 14 bays		06MAY04	05AUG04		-185	-						· · · .								· . ·	an ji sh
06-61021	Excavate/temp soil nailing for bays 27-40		17MAY04	21JUN04		-121	1									•		1				
06-6202	Construct Slope Replacing Wall RW74; VO 206;West	- <del> </del>  -	22MAY04	12JUN04		142	-								1							
06-61064	Construct plinth for bays 41-45		24JUN04	03SEP04	{	-152	-													27. S. S.	201.0	<u></u>
06-61012	Construct base/wall for bays 14-26 Retaining Wall RW01 (CH1554-1680); 13 bays		2JUL04	07DEC04		-28													i interest			
06-6105	Excavate/temp soil nailing for bays 53-65	+	02JUL04	10SEP04											1					<u></u>		1. T
)6-61051.	the second s					4.575			·					-	1		~					
anoisea	Structures		na lastring i	1, 11-4 -																		
rocureme	ent of Noise Barrier						Į														4	
7-7060	Fabrication of Steel Members for Noise Barrier	120 1	16APR04	24JUL04	17	7 23		r											i			
7-7070	Fabrication of Panels for Noise Barrier	120 1	16APR04	24JUL04	17	7 86		2						1628 PT 1	i i		1997 A. P. P.		1	742244	75 - 14 <b>6</b> - 24	99 A 17 P
07-7040	Prepare/Submit Shop Drawings for NM03	21 2	29APR04	19MAY04	(	) 39					9996 B BC								1			
7-7080	Delivery of Steel Members for Noise Barrier	90 1	16MAY04	13AUG04	(	23						Ĕ						(***********	<u></u>	<u> </u>	<u>. 195 (</u> .	
7-7050	ER Review/Approve Shop Drawings for NM03	30 2	20MAY04	18JUN04	C	39							N MAR		2 <b>59 [22]</b> (42 4				_			
7-7090	Delivery of Panels for Noise Barrier	90 2	26MAY04	23AUG04	(	86								12:52	lesketek, szare	1255-2010		<u>10.</u> 7,5,75,75,75	<u></u>		01_0 (d. )•	
Noise Miti	gation No. 01														1				1			
)7-71112	Foundation of NM01 (N); CH1205-1300 (bays 1-7)	111	4DEC03A	22APR04	77	-181									l							
)7-711127	Const. R.C. barriers/columns; NM01-bays 1-7	15 2	7MAR04A	22APR04	60	-181																
7-7113	Foundation of NM01 (N); CH1350-1405 (bays 11-14)	50° 2	20MAY04	20JUL04	(	•122									-						ist i nee	
7-71132	Excavation/formation for bays 11-14 of NM01	18 2	20MAY04	10JUN04	(	-122	1												1			
7-71134	Construct base for bays 11-14 of NM01	20 0	07JUN04	30JUN04	(	-122									1 🔳							
7-71136	Construct wall stem for bays 11-14 of NM01	20 1	18JUN04	13JUL04	Ċ	-122	· · · · · · · · · · · · · · · · · · ·															
7-71137	Const. R.C. barriers/collumns; NM01-bays 11-14	12 0	07JUL04	20JUL04	0	-122																
a Automatica de la companya de la		nda si ji		et e este e	last. A																	
	ts and Outfalls		4.1		e 1. 2 1.										1							
<u>Culvert-Ou</u>		· .		Incurre			_														•	
8-81502	Exc. Culvert-Outfall AA (within Exist CPR)		15JUN04	21JUN04	، ا	-126 -126	-									_						
8-815022	const. Culvert-Outfall AA (within Exist CPR)	121	18JUN04	03JUL04	1	-126													+			
<u>Culvert-Ou</u>	utfall AB	<b></b>				· · · · ·																
8-81022	Const. Culvert-Outfall AB (the remain. portion)	12 1	11MAR04A	14APR04A	100	וי																
Culvert-Ou	utfall E														İ							
8-8601	Exc. Culvert-Outfall E at E/B C'way	18 1	12MAR04A	22APR04	85	5 -14			1													
)8-86012	Const. Culvert-Outfall E at E/B C'wav	30 2	23APR04	29MAY04	(	3 -14					- · · · ·		· · ·						:			
	echnical & Slope Works				÷	an a		T											1			
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· · · · · · · · · · · · · · · · · · ·	e Nos. 4, 5 & 3			1.0		1			-			1000			:							
0-10205	Excavation & Filling Works for Slopes 4, 5 & 3			10MAY04	17					1												
08-85021	Add. Mass Conc. Wall at toe of Slope 3; VO 253			24APR04	70	_	-	T		3000	Astron		92.		;				:			
10-102052	Drainage/Stabise Slopes 4, 5 & 3	18 2	26APR04	17MAY04	1 (	0 84	1								;							

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Activity	Activity	Orig Ear			Totai	AI			MAY			JUN					A
ID	Description	Dur Sta	rt Finish	Comp	Float	.5 .12		i3	1017	24	<u>31</u> 7.		<u>21 2</u>	85_	12	_19i	<u> 20 1</u>
Existing Sh	ope Works	· · · · · · · · · · · · · · · · · · ·															ľ
10-10210	Remedial Works to Slope No. C161 & C5	149* 17DEC	03A 21JUN04	49	•117				<u> </u>								ľ
10-102102	Erect scaffolding/rock mapping	18 30DEC	03A 16APR04	94	-126												
10-102104	Install rock dowels/surface protection	30 12JAN	04A 10MAY04	33	-102												
10-102106	Excavate & formation for retaining wall RW101	30 17MAR	04A 04MAY04	50	-126				Maria di Kasaratan Maria di Kasarata								
10-102108	Construct retaining wall RW101/backfill	40 05MA		0	-126												
10-102105	Remove scaffolding, temp. catch fence	20 11MA`	04 03JUN04	0	•102						<u> </u>	<u> </u>			·		
	sted Watermains																
											Ì						
	Water Mains	16 23APF	04 12MAY04	0	-14			<b>.</b>						_i			
12-1206	DN1000FW/Associated Wks (E/B C'way CH1635-1700)	17 26JUN		0	-13										اليكي المعارفان ا		
12-1204	DN1000FW/Associated Wks (W/B C'way CH1464-1550)		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					-									
KERCIDIC.	wisioning of LCSD & FEHD Facilities										:			ŀ			
FEHD Faci		·									i Alexanteridade			i i			1
13-1340	Reprovision of Sitting Out Area at Ka Loon Tsuen	75 13SEF		60	251						1						
13-1320	Construct RCP A	35 12JAN	04A 27MAY04	49	263									<u> </u>			
Stairways				1. 11. 	1.1				<b>1</b>	業務部です		511 de - 251 120 e	****	Ę			
13-1313	Construct Stairway ST03	30 18MA	/04 23JUN04	0	110												
The state brown in the state berry by the state	n Chainage 2+210 to Chainage 3+01										I						•
	n an						ļ										:
1. Prelimi	inaries					•					!						1
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Utility Works	<u> </u>					स्ट	1									
01-12103	Proposed HKT on W/B C, way crossing(2)	4 16DE		50			<b></b>	्य									1
01-12102	Proposed CLP on W/B C,way CH2300-2480	10 07JAI		- 60													i i
01-1212	Proposed Gasmain C.way bet CH2800-3010	18 15AP		0	-51 -51		[										
01-12122	Proposed NWT cross road ducts at CH2800	11 30AP			-51												
01-12124	Proposed CATV at E/B CH2800-3010	11 05MA		0	-51												
01-12129	Proposed HKBN at E/B CH2800-3010	11 10MA	·		-51			-									ļ
01-12126	Proposed HKT at E/B CH2800-3010	11 13MA 11 20MA			-51				!	-							1
01-12125	Proposed HT at E/B CH2800-3010	11 20MA 11 28MA			-51		l			l							
01-12123	Proposed CLP at E/B CH 2800-3010	4 31MA			251	· .											
01-12105	Proposed CATV on E/B C.way crossing(1)	4 31M/ 11 14JU			-115											. <u>.</u> 419 D	
01-12127	Proposed CLP at W/B CH 2800-3010			<u> </u>	L		<b> </b>				!						1
Programm	te for SA No. 3	<u> </u>			-139		line and a second s										
01-0110	Programme for SA No. 3		P03A 28APR04			<u> </u>	4										
01-0118	Prepare final SA		V03A 21APR04		<u> </u>		48.000				ł			4			•
01-0114	Review & endorse detailed design by ICE/MHJV/QS	12 28NC			-139	4					-			1			
01-0119	Prepare formal copies of SA for execution SA	7 22AF	28APR04 28APR04		-139	4	· ·	•			-			1			
01-01110	Execute SA	<u>                                     </u>			1.08		1				1		·	1			
- <b>A</b> ::11:30			0 <del>,</del> 1, 11, 11, 1											i			
Domolitics	n of Existing Buildings					<u> </u>	· · · · ·	_			:			:			
02-2130	General Site Clearance bet CH2210 and 3010	90 0814	N02A 27APR04	1 95	287		<u>i na kana kana ka</u>	B					<u> </u>				
園 102-2130		· · · · · · · · · · · ·					•										

Sheet 4 of 12

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Activity	Activity		Orig	Early	Early		Total		AP	10 00	3	MAY	:24	31 7	<u></u> 1UN	21 28	_5		26
ID I	Descriptio	<u>n</u>	Dur	Start	Finish	Comp	Float	6	12	19 26	- 12								
Demolitio	n of Existing Buildings													l					
02-2131	Temp. Divert W. Way/Demol. Exist F	avil. & W.Way	24	23JUN03A	29APR04	50	a a												
si Roadu												-							
	the second se								1							المحمدية ال			
Utility Div	Protect/Divert Exist. UUs at E/B CH	2300-2500	30	31MAY04	06JUL04	0	-2										! !		
03-3211							14										1		
Earthwork	KS Road formation at W/B C'way bet C		30	22DEC03A	17MAY04	60	9- 10												
03-3201	Road formation at CPR CH2800 & 3		30	19APR04	24MAY04	l c	3 -50		-		<u> </u>					<u> </u>			
03-3203				ji ka															
Drainage	Works	112450 2500	18	12JAN04A	24APR04	50	0 1			ALL							1		
03-32211	Drainage Works at W/B C'way bet C Drainage Works at W/B CH2500-26	50 and 2750-2800	14	02APR04A	22APR04	60	97 - 97								200.0	an Assaltan	-	inger an bill are	-27
03-3221	Drainage Works at W/B CH2500-26 Drainage Works at E/B CH2800-28		30	17JUN04	23.JUL04		0 90												
03-32228	Drainage Works at E/B CH2000-200 Drainage Works at W/B C'way bet C	:H2650-2750	14	18JUN04	06JUL04		0 -115											s 11 - 12	
03-32212	Drainage Works at E/B C'way bet C	H2300-2480	45	10JUL04	01SEP04		0 -2				<u> </u>						<u> </u>		
03-3224						- 1911 <u>- 1</u> 91 - 1921													
	ks (Local Supply Watermains Pipe Works at CPR CH2900-3010	<u> </u>	21	30APR04	25MAY04		0 -117							1	1	利用	ł		
03-3232	Water Works at Portion W10		7	17JUN04	25JUN04		0 163										<u> </u>		
03-3233							k ayan terisi Kat												
Road Wo	rks		18	09FEB04A	24MAY04	5	-9												
03-3142	Lav sub-base, kerbs & edgings; W/		18	04MAR04/	A 29MAY04		0 -9						f						
03-31422	Construct rd pave & f/p; W/B CH23 Temp, road/diversion at Outfall G; V	Nest bound	18	01APR04/	27APR04	7	0 -150							1	r				
a 03-31762	Lav sub-base, kerbs & edgings; E/E	CH2800-3010	18	19MAY04	09JUN04		0 -51												
03-3146	Construct rd pave & f/p; E/B CH28		18	27MAY04	16JUN04		0 -51							•			1		
·····································	Divert Traffic to W/B Ciway CH2210	) to 2500	0	1	29MAY04		0 -9	<del>)</del>									1		
03-3147	Temp. road/diversion at Outfall G:	East bound	e	5 11JUN04	17JUN04		0 -150	-			· ·				1000000	T.			
03-31764	Reinstate E/B carriageway at CH22	210-2300	6	5 14JUN04	<u> </u>	+	0 243	-							<b>\$</b>				
03-31472	Divert Traffic to E/B Perma C'way (	CH2800 to 3010	·   (	)	16JUN04		0 42	2			_						1		
						i de la composición d Composición de la composición de la comp	· · · ·										1		
St Fooli		• 2	e de la servici								]				-		1		
Footbrid	ge FB01	EB01: 10 Nos	4	0 25FEB04	A 08JUN04	+	20 -7	6							-				
05-51202	South Columns & Column head for		2	4 16APR04	14MAY04	4	0 -7	6		<u></u>									
05-51201	South Pile caps for 9 to 12; FB01: Construct Ramp for FB01 (South)	4 1103.	6	0 04MAY04	15JUL04		0 -7	6					n	i .					
<u> 05-5150</u>	GI Works at North Supports for FB	01(3.005.)		9 31MAY04	4 09JUN04	1	0 -	-6						1					
05-51111	GI Works at North Supports for FB Construct Stairway for FB01 (Sout		. 3	0 09,0004	15JUL04		0 -7	6					· · · · · · · · · · · · · · · · · · ·	:					
05-51504	Piling Works at North Supports for	FB01:12 Nos.	4	8 10JUN04	07AUG0	4	0 -	-6										<b>-</b> 1703	an a san an a
05-51112	Erect Steelwork & Roofing for FB0	1 (South)	3	16JUL04	20AUG0	4	0 10	3		<u> </u>	_ <u> </u>								
05-51506	······					· · · · · ·		·		J							ļ		
1.02	Ige FB02 South Pile caps for FB02; 8 Nos.		3	15 05JAN04	A 15APRO	4A	100			1				1					
05-5230	South Pile caps for FB02; 8 Nos. South Columns & column head fo	FB02: 9 Nos.	4	0 26FEB04	4A 29APR0	4	70 -1	15					Sacard + ax	and the second					
05-52302	Erect Deck of Main Span for FB02			30 30APR0	4 05JUN0	4	0 10	-1		1						يقبونه بروزو			
05-5250	Construct Ramp for FB02 (South)			50 30APR0		4	0 -1	-			P	Kara ana ang ang ang ang ang ang ang ang an	i dere son die oor				1		
05-5260	Construct Ramp for FB02 (South	lb)		30 30APR0	4 05JUN0	4	0 1	65		<u> </u>									

Sheet 5 of 12

Activit	ity Activity								1 marsh		
ID	Description			% Total				2004	<u>`</u>	•	
Footbri	idge FB02	Dur Start Fi	nish C	omp Float	5	APR	MAY				
05-52706				1		19_2	6 3 10 17	24 31 7		20	
8 05-52502		30 30APR04 05JU	JN04	0 165	Í	Í	R-/		— —		•
05-52606	- Particle of the more a Rooling of Main Span for EB02	30 07JUN04 13JU	L04	0 165						: i	
	FB02 (South)	30 14JUL04 18AU	JG04	0 135	1				<u>an de ante de la comp</u>	AND THE WAY ALL AND A	
	e Structures				··	╂───-		·		A	
	Mitigation No. 02					i .					- A
07-7232	Column of NM02 (South): CH2300-2480	24 21APR04 19MA									
Noise M	Aitigation No. 03	1	704	0 36		2010-11-10-3-16		:		· · · ·	· ·
07-7311	Foundation of NM03 (South)	60* 18JUN04 30AUC	<u> </u>		ļ	1					
07-73112	Excavation/formation of NM03 (South)			0 -150	ł	1		-			
07-73114	Construct base of NM03 (South)			0 -150		ł		1			<b>B-6</b> 2
07-73116	Construct wall stem of NM03 (South)			0 -150		1					
Noise Mi	litigation No. 04	34 16JUL04 25AUG	04	0 -150	· · · ·	i .		:			<b>8-9</b>
07-74032	Column/R.C. barrie of NM0 (in front of W10)	T T									<b>9-1</b> 22
07-7407	Erect Frame/Panels for NM04(in front of W10)	24 16MAR04A 20APR		0 -50	<b></b>			•			
::::::::::::::::::::::::::::::::::::::	arts and Outfalls	50 27MAY04 26JUL0	4	0 164	]			-			
										The state of the second se	
Culvert-O								ł			
08-87104	Stitch concrete at Outlet for Outfall F	6 16APR04 22APR0	<u></u>		L					1	
08-8720	Exc. Culvert-Outfall F (Remaining Portion)	6 07 JUL04 13 JUL04		0 58		11.98.922		:			
108-87202	Const. Culvert-Outfall F (Remaining Portion)	39 10JUL04 25AUG0	_	-2				:			
Culvert-O	Dutfall G		<u>+</u>	_0 2							
<u> 08-8820</u>	Exc. Culvert-Outfall G (Remaining Portion)	12 28APR04 12MAY04			· · · · · · · · · · · · · · · · · · ·						
08-88202	Const. Culvert-Outfall G (Remaining Portion)			0 -150				4		,	
Culvert-O	/utfall GB	24 13MAY04 10JUN04	_i	0 -150							
08-8920	Excavate Culvert-Outfall GB (remain.); VO 165		<u></u>		7					······	
08-89202	Const. Culvert-Outfall GB (remaining); VO165	18 17JUN04 09JUL04	— I —	0 42		:	· ·				
C. Soania	11 VOT65	25 21 JUN04 21 JUL 04		0 42	1			ŕ			
a un un	alls and Marine Works	, 1997년 1997년 - 1997년 1997년 - 1997년 1997년 - 1997년 1997년 - 1997년 1997년 - 1997년 1			<b> </b> _					and the second second second	·
Sea Wall B	B ( 710 m Length )							-			
09-9114	Granular Fill (CH2210-2500)	50 22APR03A 29APR04				·		-			
09-9134	Granular Fill (CH2800-3010)	50 10MAY03A 10MAY04				222.23					·
	Granular Fill (CH2500-2800)	50 09JUN03A 10AUG04							ļ		
09-91322	2nd stage Armour to +4 mPD (CH2800-3000)	30 13MAR04A 10MAY04		+							
109-91222	2nd stage Armour to +4 mPD (CH2525-2800)	30 13MAR04A 10MAY04 30 11MAY04 15JUN04	33						-7-		
L-Shaped V	Walls		<u>u</u>	0 -74				وسيتصار بمنابعة الشارعة ا			
09-9133	Retaining Wall RW-B for Bays 57-76 (CH2800-3010)										
09-91331		250* 11JUN03A 14APR04A	100		━━━━■						
09-9123	Betaining Well DW D C	276* 19JUN03A 24MAY04	85	5 -97					1		
09-91337	Plinth for bays 57-76 at CH2800-3010	246* 24JUL03A 21MAY04	84	-54							
09-91236	Wall for bays 33-56 at CH 2550-2800	46 OBJAN04A 14APR04A	100		××××			ł			
09-91238	Plinth for bays 28-56 at CH2500-2800	60 02FEB04A 29APR04	80	-97		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -			j		
09-91234	Base & well for here as as	46 06MAR04A 21MAY04	35	-54		ر مور الم		1	,		
		30 23MAR04A 27APR04	20	-76	<b></b>			:	,		· [
				Sheet 6 of 1				·			· .

Sheet 6 of 12

					1	1						- 1 A		2004				. <u> </u>		
	Activity	Ori	g Early	Early	%	Total		API	2			MAY		1		JUN	1	.5	JUL 12	19 26
Activity	Description	Du	조금 그 것 가 안 다.	Finish	Comp	Float	5	12		26	3	<u>.10 .17</u>	24	31	<u></u>	142	<u> </u>	j	_116	
ID																				
L-Shaped	Walls		40 30APR04	24MAY04	50	-11					<u>i</u>									
09-91333	Roofing/staircase/flooring & finishings	erre a secolar																		
angelente	chnical & Slope Works	and a string of the story of the			stration a															
	lope Works							1												
09-9212	Remedial Works to Slope No. C186 & C1/C78		90* 31MAY04	15SEP04	<u>c</u>				· .		İ									
09-9212	Remedial Works to Slope No. 6SW-D/C186		36° 31MAY04	13JUL04		-9		1							l <sup>1</sup>					
09-921212	Form access and site clearance		6 31MAY04	05JUN04		-9										1. S. S. S.			1	
09-921212 09-92122	Remedial Works to Slope No. 6SW-D/C1 & D/C7	8	90* 31MAY04	15SEP04	(	-9														
09-92122	Form access and site clearance		8 31MAY04	08JUN04		-91								4						
09-921221	Construct 300 U-channel on the slope		6 07JUN04	12JUN04		-9					1						H			
09-921214	Trim slope/Construct 300 U-channel on the slope	e	12 09JUN04	23JUN04	<u> </u>	-9												1		
	Excavate/trim slope to future road level		12 14JUN04	28JUN04	<u> </u>															
09-921216	Excavate/trim slope to future road level		26 24JUN04	24JUL04		9								-						
	Slope stabilization on finished cut rock slope		12 29JUN04	13JUL04		0 -9			<b></b> .								·	1		-
1 09-921218	and the second second second second second second second second second second second second second second second																			
	isted Watermains				an di she													ļ		
Entrusted	Water Mains	<u> </u>	52 10SEP03/	29APR04	8	0 -117	-			<u>est</u> e.	I I							ì		
12-1216	DN1000FW/Associated Wks at CPR CH2750-30	00	30 06JAN04/			0 -111	ادو. وزي													
12-1219	DN1000FW/Associated Wks at E/B CH2480-255	50	67 15MAY04			0 -115								1						
[12-1218]	DN1000FW/Associated Wks at W/B CH2550-27	50				0 243								Sector Sector	<u>asses</u> nts	}		<u> </u>		
12-1232	DN150 cross rd & fire hydrant at CH L600		12 31MAY04	12001104							1									
4.2 1-2000	ovisioning of LCSD & FEHD Fac	ilities			ta ikati itu.		1													
											ł							1		
FEHD Fac			35 14JUL04	24AUG04	+	0 -113					_!							1		
13-1333	Construct RCP No. D																			
Tel:ATTo	m Chainage 3+010 to Chaina	age 3+730				- <u></u>			1					-						
	The second second second second second second second second second second second second second second second se					·								1				ļ		
a Prellin		· · · · · · · · · · · · · · · · · · ·	114.5	- 1	and the	ni in series. Na series												1		
Temporal	ry Watermain Diversions	<u> </u>	21 30APR04	25MAY0	4	0 -117	1											<u> </u>		
讀 001-1170	Watermain Diversion between CH3010-3100													ļ						
Proposed	d Utility Works	<u> </u>	20 21APR0	14MAY0		0 87	7			125.20		4								
01-1245	Proposed Gasmain on E/B C, way CH3540-367	70	7 15MAY0			0 -87	-							_						
01-12453	Proposed CATV on E/B C.way CH3540-3670		5 24MAY0			0 -117	-		1							÷		-		
還 01-1240	Proposed CLP on W/B bet CH3010-3100	· .	2 24MAY0			0 -11	-							1						
01-12402	Proposed CATV on W/B CH3010, rd crossing		7 24MAY0			0 -8	-1													
遺 01-12457	Proposed HKBN on E/B C.way CH3540-3670					0 -11														
01-12403	Proposed HKT on W/B CH3220, rd crossing		2 27MAYU 7 02JUN0	4 28MAYU 1 09JUN0		0 -8	_											ł		
01-12455	Proposed HKT on E/B C.way CH3540-3670		7 02JUN0 7 10JUN0			0 -8	_{									,		Ì		
01-12454	Proposed HT on E/B C.way CH3540-3670			4 26JUN0		0 -8			1					i			<b></b>	<u> </u>		
01-12456	Proposed CLP on E/B C,way CH3540-3670		7 18,000				j		1											
	Clearance				<u> </u>				1					1				İ		
		1																		
	on of Existing Buildings		6 19APR	4 24APR	04	0 -11	9	·										_ <u></u>		
覆 02-2162	Demolish Exist RCP at Portion No. W32		l																	

Sheet 7 of 12

Activity		
3. Roadworks	Orig Early Early % Total	
Utility Diversion	APR 2004	<u> </u>
03-3410 Temp Direct T	12 19 26 3 10 47	<u> </u>
Earthworks	<u></u>	128
	30 16APR04 07MAY04 40 29	
03-3241 Earthworks at W/B C'way CH3010-3300		
Drainage Works	130° 11DEC03A 22MAYDA	
	30 02FEB04A 09JUN04 50 -20	
Image Works on W/B C'way bet CH3540-3670           03-3320         Drainage Works on W/B C'way bet CH3010-3300           03-3325         Drainage Works on F/B C'way bet CH3010-3300	33 10APR03A 22APR04 90 87	
Pipe Works (Local Supply With Cway bet CH3010-3300	58 0 1MAR04A 21MAY04	
	16 05JUN04 24JUN04 0 -20	
		ł
Road Works	22 03FEB04A 22APR04 71	1
	16 15JUL04 03AUG04 0 00	!
Toonst, Plinth & Wall F.	633* 12APR02A 02JUN04	
03-33133 Divert Traffic on E/B Temp. C wav CH3300-3460	60 10JAN034 15 UNITS 07 -129	
03-334008 Remove Temporary Hoarding & Reinstatement	0 15APR04 42 49	
03-3314 Lav sub-base, kerbs & edgings; W/B CH3010-3300	35 21APR04 02.IUN04 02.IUN04	
03-33142 Construct rd pave & f/p: W/B CH3010-3300 03-3318 Lay sub-base korbs & Horts &	29         26APR04         31MAY04         0         85           21         18MAY04         0         -119	
03-3318 Lav sub-base, kerbs & edgings; E/B CH3010-3300 03-3316 Divert Traffic on W/B Porms O		
03-33182 Construct ed - Charlenna Cway CH3010-3300	33 25MAY04 05JUL04 0 -87	
03-33182 Construct rd pave & f/p: E/B CH3540-3670	11JUN04 1 0	
	33 16JUN04 26JUL04 0 -87	
Reinforced Earth Wall W05W		
Excavation/Temp and		
EV012 Mass concrete/Install panel & mesh/Backfill	70 16APR04 10JUL04 0	
	60 12JUL04 205FPD4 0 -127	
ootbridge FB11		
-5530 North Pile cans for ED44		
	35/18002700	
	35 06OCT03A 14APR04A 100 35 100CT03A 24JUL04	
Retaining Walls		
inforced Earth Wall 13	40 16APR04 03JUN04 0 77	
312 Mass consult		
312 Mass concrete/Install panel & mesh/Backfill 314 Finishing Work		
315 Construct Laboration	80 21 JAN03A 15APR04A 100	
Compacted and	139: 24NOV03A 15MAY04 80 -119	;
Construct Plieth	30/24NOV03A 04MAY04	i
nforced Earth Wall 14	16171DEC03A 22MAY04	
10 Excavation //	18 20DEC03A 15MAY04 65 -119	
10 Excavation/Temp. soil nail/Cleaning the base		
	72 12JUN04 07SEP04 0 -119	
· · · · ·		
	Sheet 8 of 12	

Activity	Activity	O	rig Early	Early	%	Total		APR	1	MAY	2004	JUN				
. ID	Description		ur Start	이 가 물건을 주는다.	Comp	Float	5	APR	3		31 7		21	28 .5	JUL 12	19 2
-Shaped	Walls													1		
6-6590	Construct Partition Wall; adjacent to RW16	. 4	494* 28SEP02A	02JUN04	89	-20	<b>│ — — — —</b> — — — — — — — — — — — — — — —									
06-6592	Construct Retaining Wall RW16		341* 08MAR03A	05MAY04	88	-20	<b> </b> -		<b>₩</b> ₩₩₩							
06-65904	Construct Partition Wall; Bay 12		30 04AUG03A	02JUN04	80	-20			1							
06-65906	Construct Partition Wall; Bays 8 & 10		25 24OCT03A	08APR04A	100											
6-6567	Backfill behind RW13		18 24DEC03A	22APR04	33	-107										
6-65914	Construct Retaining Wall RW16; Bays 1-2		40 16MAR04A	05MAY04	60	-20										
6-65908	Extract sheet piles & temp, ro to D. Garden		12 20APR04	04MAY04	0	-20										
6-65909	Construct Partition Wall; Bays 11		18 05MAY04	25MAY04	0	-20										
6-6580	Construct Retaining Wall RW15		70* 08MAY04	02AUG04	0	29			6							2010-000 T
6-65801	Excavate/temp. slope support for RW15		18 08MAY04	29MAY04	0	29				-			-	ĺ		
6-65802	Construct base slabs for RW15; 6 bays		18 31MAY04	19JUN04	0	29					1		-			
6-65803	Construct wall stems for RW15; 6 bays		24 21JUN04	20JUL04	0	29	· .									
6-65805	Construct wall plinth for RW15; 6 bays		18 12JUL04	02AUG04	0	29										95./ind0.173.3-1
<b>Lenive</b> r	ts and Outfalls					ai Marti										
Culvert-O		di tata														
	Const. Culvert-Outfall H (North of Exist CPR)	· · ·	42 18AUG03A	14MAY04	43	-11										
	n an an an an an an an an an an an an an	iee-ie-i		i an an an an an an an an an an an an an							1					
	echnical & Slope Works		. 1921 to ta 1				· .		· · ·							
Vew Slope																
0-10545	Drainage Work for Slope No.9		35 27JAN03A	22APR04	83	-82										
lew Slope	e No. 11	n de la composition Anna de la composition			89 - 19 - 19 8 - 19 - 19 - 19 - 19 - 19 - 19 - 19 - 1					•						
0-10757	Reprovsion of B. Fence; V.O. No. 133		45 07FE804A	15MAY04	44	-80										
Existina S	lope Works						•				l.					
0-1092	Remedial Works to Slope No. FR41	2	20° 26JUL03A	22APR04	97	104					ļ					
0-10928	Fill behind RW104 & Finishing Work		16 07JAN04A	22APR04	63	104										
1 Entru	sted Sewerage Works			177 1874 - 171							1					
		n di si p				- \								1		
	Sewers/Drains		40 00 11 11 10 1										-			
1-1143	Sewer Works at E/B bet CH3460-3540		16 25JÜN04	14JUL04		-20										
3 Repro	ovisioning of LCSD & FEHD Facilities		t All Ağırı	in a lin					Ì							
Stairways	이 제가 지하는 것이 가지 않는 것이 가지 않는 것이 없다. 영국 영국															
3-1331	Construct Stairway ST06		68° 01MAR04A	24MAY04	90	265	-		-							
3-13314	Falsework/Construct columns/Stair; ST06		18 11MAR04A	29APR04	90	265	-									
3-1332	Construct Stairway ST07		60 23APR04	06JUL04	0	104			12876	an an an an an an an an an an an an an a	horectadourus.	A MILLING AN ARCHING	10 - 11 - 10 - 10 - 10 - 10 - 10 - 10 -	<u>w www.</u>		
3-13316	Concrete curing/remove fwk & falsework; ST06		10 28APR04	10MAY04	Ö	265			<b>3.63</b> 00	22	1					
3-13318	Finishing & railing: ST06		12 11MAY04	24MAY04	0	265					1					
	n Chainage 3+730 to Chainage 4+4	170														
		47/U									1					
. Prelim	inaries										:					
· · · ·	Watermain Diversions			14 A.												
emporary	/ watermain uiversions															

		1		Prosta and	Lata taka	1.				· · · · ·			<u> </u>			
Activity	Activity	Orig I	Early	Early	%	Total		APR		MAY	2004	JUN		•	11.11	
ID ID	Description	Dur	Start	Finish	Comp	Float	15	12 19 26	3	10 17 24	31	7 14	21 2	8 5	12 19	:26
Proposed	Utility Works				for te Britte	1 (s)										
01-1248	Proposed Gasmain on E/B C,way CH3980-4270	45 24/	APR04	17JUN04	0	-179	1				1					
01-1249	Proposed Gasmain on E/B C.way CH3900-3980	24 10.	JUN04	09JUL04	0	-75							initia - personalitati			
01-12477	Proposed HKT on Access Road R10	7 30.	JUN04	OBJUL04	0	67	1		-							;
01-12492	Proposed CATV on E/B C,way CH3900-3980	6 10.	JUL04	16JUL04	0	-75										
3. Roadw	orks			er sin 'e an saar'							;	·····				
				States and		ali, s										:
Earthworks		323-014		07MAY04	94	-61								-		•
03-3400	Excavate & Temp. Slope Protection; Walkway-FB03			29APR04	70				1							
03-34002	Excavate & Temp. Slope Protection; bays 15-20			07MAY04	60											
	Excavate & Temp. Slope Protection; bays 13-14	20 031	CB04A	UTMATU4		-10-			1							
Drainage V						Marija I										
03-3424	Drainage Works at E/B C'way CH3900-4050	<u> </u>		10MAY04	50				(					ļ		1
03-3445	Drainage Works at E/B C'way CH4200-4300			10MAY04	60	-179			j							
03-3426	Drainage Works at E/B C'way CH4400-4470			01JUN04	7	-68			j							
03-34262	Trial pits/Sheet piling/excavate at CH4400-4470			30APR04		· · ·				·····	1			1		
03-34264	Construct drainage/backfill at CH E/B4400-4470	30 26A		01JUN04	0	-68		·····				···· ···				
03-34552	Drainage along Access Road R10	16 10J		29JUN04	0	67						ABAMA SICL	at Hadres	1		
03-3465	Construct drainage/backfill at E/B CH4300-4400	50 15J	UL04	11SEP04	0	-68			<u> </u>					<u> </u>		
Pipe Works	s (Local Supply Watermains)															
03-3433	Pipe Works at Access Road R10	30 OSM	AAY04	09JUN04	0	67					i antis antis i	P22-17				
03-34321	Temporary Pipe Works at E/B CH3980-4330	40 15M	AAY04	03JUL04	0	-179										, i
Road Work	S		Gerla.	A. O		- e - t.		i						· ·		
03-34533	Stage 2 TTA (works at E/B fast lane)	77* 11M	IAR04A	15JUN04	6	-68					1					
03-345332	Road formation/Paving asphalt at E/B fast lane	12 02J	UN04	15JUN04	0	-68										
03-34507	Construct Temp. Road at E/B CH 3950-4300	30 04JI	UN04	10JUL04	0	-179										
03-345334	Divert traffic for Stage 3 TTA	0		15JUN04	0	-68						•				-
03-34534	Stage 3 TTA (works at E/B slow lane)	119° 16JI	UN04	08NOV04	O.	-68	· .									
03-3455	Road formation at Access Road R10	24 09JI	UL.04	06AUG04	0	67								. han	1940 - F. Z. B	<u> ****</u>
03-345072	Divert Temp. Road at E/B CH 3950-4300	0		10.JUL.04	0	-179								•	•	
5. Footbri	dne		s an	di teris		in -								1		
				t na si i												
Footbridge		253° 20S	EDO3A	30JUL04							1			<u> </u>		1
	Construct Walkway for FB03 (South)				60 80	-94					1					
	Construct Ramp for FB03 (South)			17JUN04		23					i					
	Const. Walkway; FB03(South); bays 1-3			03JUN04 09JUN04	20	-111					!					
	Construct Ramp for FB03 (North)				25	-/5					1					
	Construct Stairway for FB03 (North)			15APR04A	100						i.			<u></u>		· · · ·
	Const. Walkway; FB03(South); bays 15-21			06JUL04 07MAY04	.10	-94										!
· · · · ·	South pile cap ( base for bays 1 & 2 of FB03)				30						!					
	South Column for FB03	30 08M		12JUN04	0	-128			-		!			i		
	Construct Stairway for FB03 (South)	30 27M		24JUN04	20	-128						States 1			(in any last	
	Erect Steelwork & Roofing for FB03 (North)	30 10JL		16JUL04	0	117						The Strategy is the second		   		
05-54503	Const. Walkway; FB03(South); bays 13-14	35 17JU	UNU4	30JUL04	0	-94					.			-		;

Sheet 10 of 12

Activity Description 3 Steelwork & Roofing for FB03 (South) Valls h Wall 21 ing Work ill slope on top of RE wall slope & construct berm & channel h Wall 70 ing Work Il slope on top of RE wall slope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion) Culvert-Outfall IB (South Portion)	Orig         Ear           Dur         Sta           30         25JUN           103*         16DEC           30         12JAN           18         16FEB           121*         02DEC           30         12JAN           121*         02DEC           30         12JAN           12         30APR           36         15MAY	rt Finish 04 31JUL04 03A 24APR04 04A 17APR04 04A 24APR04 03A 03MAY04 03A 24APR04	Comp	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		APR 12 19 12 19 	126		MAY 1017				JUN	21 2	1		19 <u>26</u>
Steelwork & Roofing for FB03 (South) Valls h Wall 21 ing Work ill slope on top of RE wall slope & construct berm & channel h Wall 70 ing Work Il slope on top of RE wall slope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion)	30         25JUN           103*         16DEC           30         12JAN           18         16FEB           121*         02DEC           30         12JAN           30         12JAN           121*         02DEC           30         12JAN           12         30APR	04 31JUL04 03A 24APR04 04A 17APR04 04A 24APR04 03A 03MAY04 03A 24APR04 03A 03MAY04	8- 99 80 81 81 73	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					· · · · · · · · · · · · · · · · · · ·						1		
Steelwork & Roofing for FB03 (South) Valls h Wall 21 ing Work ill slope on top of RE wall slope & construct berm & channel h Wall 70 ing Work Il slope on top of RE wall slope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion)	103* 16DEC 30 12JAN 18 16FEB 121* 02DEC 30 12DEC 30 12JAN 12 30APR	03A 24APR04 04A 17APR04 04A 24APR04 03A 03MAY04 03A 24APR04 03A 24APR04	84 99 80 80 80 73	4 -129 5 -129 0 -129 5 -135 3 -135							· ·					<b></b>	
Valis h Wall 21 ing Work III slope on top of RE wall slope & construct berm & channel h Wall 70 ing Work II slope on top of RE wall slope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion)	30 12JAN 18 16FEB 121* 02DEC 30 12DEC 30 12JAN 12JAN	04A 17APR04 04A 24APR04 03A 03MAY04 03A 24APR04 03A 24APR04 04A 03MAY04	99 80 80 80 73	5 -129 ) -129 5 -135 3 -135													
h Wall 21 ing Work ill slope on top of RE wall slope & construct berm & channel h Wall 70 ing Work Il slope on top of RE wall slope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion)	30 12JAN 18 16FEB 121* 02DEC 30 12DEC 30 12JAN 12JAN	04A 17APR04 04A 24APR04 03A 03MAY04 03A 24APR04 03A 24APR04 04A 03MAY04	99 80 80 80 73	5 -129 ) -129 5 -135 3 -135				-									
ing Work ill slope on top of RE wall slope & construct berm & channel h Wall 70 ing Work Il slope on top of RE wall slope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion)	30 12JAN 18 16FEB 121* 02DEC 30 12DEC 30 12JAN 12JAN	04A 17APR04 04A 24APR04 03A 03MAY04 03A 24APR04 03A 24APR04 04A 03MAY04	99 80 80 80 73	5 -129 ) -129 5 -135 3 -135				-				<u>.</u>					
Ill slope on top of RE wall slope & construct berm & channel h Wall 70 ing Work Il slope on top of RE wall lope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion)	30 12JAN 18 16FEB 121* 02DEC 30 12DEC 30 12JAN 12JAN	04A 17APR04 04A 24APR04 03A 03MAY04 03A 24APR04 03A 24APR04 04A 03MAY04	99 80 80 80 73	5 -129 ) -129 5 -135 3 -135				-							-		
Iope & construct berm & channel h Wall 70 ing Work Il slope on top of RE wall lope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion)	18 16FE8	04A 24APR04 03A 03MAY04 03A 24APR04 03A 03MAY04	80 81 73	0 -129 5 -135 3 -135				-9									
h Wall 70 ing Work Il slope on top of RE wall lope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion)	121 <sup>1</sup> 02DEC 30 12DEC 30 12JAN 12 30APR	03A 03MAY04 03A 24APR04 04A 03MAY04	81	5 - 135 3 - 135				-9									
ing Work II slope on top of RE wall lope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion)	30 12DEC 30 12JAN 12 30APR	03A 24APR04 04A 03MAY04	7:	3 -135				-6 -9									
Il slope on top of RE wall lope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion)	30 12DEC 30 12JAN 12 30APR	03A 24APR04 04A 03MAY04	7:	3 -135				-									
lope & construct berm & channel d Outfalls B Culvert-Outfall IB (South Portion)	30 12JAN	04A 03MAY04						-				- 1					
d Outfalls B Culvert-Outfall IB (South Portion)	12 30APR			, -133													
B Culvert-Outfall IB (South Portion)	·· · · · · · · · · · · · · · · · · · ·	04 14MAY04		- 17 - 14. -		1										· ····	
Culvert-Outfall IB (South Portion)	·· · · · · · · · · · · · · · · · · · ·	04 14MAY04		·			i										
	·· · · · · · · · · · · · · · · · · · ·	04 14MAY04		1. I.											1		
Culvert-Outfall IB (South Portion)	36 15MAY		0	-			•				1						
		04 28JUN04	0	-64							!						
ate Culvert bays 3-4; Outfall I			c	-125											ļ		
ruct Culvert bays 3-4; Outfall I	24 22MAY	04 19JUN04	c	-125													
II MI; VO 244															1		
ation for SMMI2 & 675mm twin pipes	4 15MAY	04 19MAY04	a	-93													
ruct SMMI2 & 675mm twin pipes	12 20MAY	04 03JUN04	0	-93													
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675mm twin pipes/reinstate exist, wall	12 18JUN	03.RUL04	. 0	-93													
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uct Retaining Wall RW-C	283* 29JAN	4A 10JAN05	15	-179													
	40 24MAR	04A 14MAY04	40	-153		-											
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uct Retaining Wall RW-C; bays 1-3	30 20MAY	04 25JUN04	Ó	-129													
approx. 50m long hoarding; V.O. 267	18 12JUL0	4 02AUG04	0	-179													
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	ruct Culvert bays 3-4; Outfall I II MI; VO 244 ation for SMMI2 & 675mm twin pipes ruct SMMI2 & 675mm twin pipes ate/break existing retaining wall 675mm twin pipes/reinstate exist, wall <b>d Marine Works</b> <b>m Length )</b> lar Fill at FB03, W. way bays 1-12/RWC(1-3) lar Fill at FB03, W. way bays 1-2/RWC(1-3) lar Fill at FB03 Walkway (bays 13-21) ruct Retaining Wall RW-C ruct Retaining Wall RW-C; bays 22-24 t slope/excavate for RW-C; bays 1-3 uct Retaining Wall RW-C; bays 1-3 approx. 50m long hoarding; V.O. 267	ruct Culvert bays 3-4; Outfall I 24 22MAY II MI; VO 244 ation for SMMI2 & 675mm twin pipes 4 15MAY ruct SMMI2 & 675mm twin pipes 12 20MAY ate/break existing retaining wall 12 04JUNC 675mm twin pipes/reinstate exist. wall 12 18JUNC 675mm twin pipes/reinstate exist. wall 12 18JUNC 14 Unce the taining Wall RW-C 15 Unce the taining Wall RW-C; bays 1-3 18 28APR 12 Unce the taining Wall RW-C; bays 1-3 18 28APR 12 Unce the taining Wall RW-C; bays 1-3 18 28APR 12 Unce the taining Wall RW-C; bays 1-3 18 200AY 13 approx. 50m long hoarding; V.O. 267 18 12 JULO 14 Slope/excavate for RW-C; Bays 4-21/25-33 80 12 JULO 15 Sewerage Works 15 S/Drains 16 Sewer Works at R10; VO No. 209 30 25FEB0 Works at E/B C'way bet CH4200-4330 60 01MAR	ruct Culvert bays 3-4; Outfall   24 22MAY04 19JUN04 II MI; VO 244 ation for SMMI2 & 675mm twin pipes 4 15MAY04 03JUN04 uct SMMI2 & 675mm twin pipes 12 20MAY04 03JUN04 ate/break existing retaining wall 12 04JUN04 17JUN04 675mm twin pipes/reinstate exist. wall 12 18JUN04 03JUL04 <b>d Marine Works</b> <b>m Length )</b> tar Fill at FB03, W. way bays 1-12/RWC(1-3) 30 02FEB04A 30JUN04 lar Fill at FB03, W. way bays 13-21) 40 16JUN04 04AUG04 uct Retaining Wall RW-C uct Retaining Wall RW-C; bays 22-24 40 24MAR04A 14MAY04 t slope/excavate for RW-C; Bays 1-3 30 20MAY04 25JUN04 approx. 50m long hoarding; V.O. 267 18 12JUL04 02AUG04 t slope/excavate for RW-C; Bays 4-21/25-33 80 12JUL04 15OCT04 <b>Sewerage Works</b> <b>s/Drains</b> mal Sewer Works at R10; VO No. 209 30 25FEB04A 03JUN04 Works at E/B C'way bet CH4200-4330 60 01MAR04A 03JUN04	ruct Culvert bays 3-4; Outfall I       24       22MAY04       19JUN04       0         II MI; VO 244       ation for SMMI2 & 675mm twin pipes       4       15MAY04       19MAY04       0         ruct SMMI2 & 675mm twin pipes       12       20MAY04       03JUN04       0         ruct SMMI2 & 675mm twin pipes       12       20MAY04       03JUN04       0         ate/break existing retaining wall       12       04JUN04       17JUN04       0         675mm twin pipes/reinstate exist, wall       12       18JUN04       03JUN04       0         dd Marine Works       n       18JUN04       03JUN04       0         dramatic Fill at FB03, W. way bays 1-12/RWC(1-3)       30       02FEB04A       30JUN04       50         lar Fill at FB03 Walkway (bays 13-21)       40       16JUN04       04AUG04       0         uct Retaining Wall RW-C       283*       29JAN04A       10JAN05       15         uct Retaining Wall RW-C; bays 1-3       18       28APR04       19MAY04       00         uct Retaining Wall RW-C; bays 1-3       30       20MAY04       25JUN04       0         approx. 50m long hoarding; V.O. 267       18       12JUL04       02AUG04       0         t slope/excavate for RW-C; Bays 4-21/25-33	ruct Culvert bays 3-4; Outfall I       24       22MAY04       19JUN04       0       -125         II MI; VO 244       ation for SMMI2 & 675mm twin pipes       4       15MAY04       19MAY04       0       -93         ation for SMMI2 & 675mm twin pipes       12       20MAY04       03JUN04       0       -93         ate/break existing retaining wall       12       04JUN04       07JUN04       0       -93         675mm twin pipes/reinstate exist, wall       12       18JUN04       03JUN04       0       -93         cd Marine Works       mLength )       30       02FEB04A       30JUN04       0       -93         ar Fill at FB03, W. way bays 1-12/RWC(1-3)       30       02FEB04A       30JUN04       0       -129         ar Fill at FB03 Waikway (bays 13-21)       40       16JUN04       04AUG04       0       -94         uct Retaining Wall RW-C       283*       29JAN04A       10JAN05       15       -179         uct Retaining Wall RW-C; bays 22-24       40       24MAR04A       14MAY04       40       -153         t slope/excavate for RW-C; Bays 1-3       18       28APR04       19MAY04       0       -129         approx. 50m long hoarding; V.O. 267       18       12JUL04       02AUG04	ruct Culvert bays 3-4; Outfall 1       24       22MAY04       19JUN04       0       -125         III MI; VO 244       ation for SMM12 & 675mm twin pipes       4       15MAY04       19MAY04       0       -93         ate/break existing retaining wall       12       20MAY04       03JUN04       0       -93         675mm twin pipes/reinstate exist, wall       12       18JUN04       03JUN04       0       -93         cf Watrine Works       m       12       18JUN04       03JUN04       0       -93         cf Watrine Works       m       12       18JUN04       03JUN04       0       -93         cf Watrine Works       m       12       18JUN04       03JUN04       0       -93         cf Watrine Works       m       12       18JUN04       03JUN04       0       -93         cf Watrine Works       m       12       18JUN04       03JUN04       0       -93         cf Watrine Kers       m       12       18JUN04       04JUN04       0       -93         iar Fill at FB03 Walkway (bays 13-21)       40       18JUN04       04JAN05       15       -179         uct Retaining Wall RW-C; bays 22-24       40       24MAR04A       14MAY04       40	ruct Culvert bays 3-4; Outfall I       24       22MAY04       18JUN04       0       -125         II MI; VO 244       ation for SMMI2 & 675mm twin pipes       4       15MAY04       19MAY04       0       -93         uct SMMI2 & 675mm twin pipes       12       20MAY04       03JUN04       0       -93         ate/break existing retaining wall       12       04JUN04       17JUN04       0       -93         675mm twin pipes/reinstate exist, wall       12       18JUN04       03JUN04       0       -93         d Martine Works       12       18JUN04       03JUN04       0       -93         d Martine Works       112       18JUN04       03JUN04       0       -93         d Martine Works       112       18JUN04       04AUG04       0       -93         duct Retaining Wall RW-C       283       29JN04A       10JAN05       15       -179         uct Retaining Wall RW-C; bays 1-3       18       28APR04       19MAY04       0       -129         uct Retaining Wall RW-C; bays 1-3       18       28APR04       19MAY04       0       -129         uct Retaining Wall RW-C; bays 1-3       30       20MAY04       25UN04       0       -179         uct Retaining Wall RW-C; B	ruct Culvert bays 3-4; Outfall I       24       22MAY04       18JUN04       0       -125         II MI; VO 244       ation for SMMI2 & 675mm twin pipes       12       20MAY04       19MAY04       0       -93         uct SMMI2 & 675mm twin pipes       12       20MAY04       03JUN04       0       -93         ate/break existing retaining wall       12       04JUN04       17JUN04       0       -93         675mm twin pipes/reinstate exist, wall       12       18JUN04       0       -93         cf Mattine Works       13       12       18JUN04       0       -93         cf Mattine Works       13       12       18JUN04       0       -93         ct Retaining Wall RW-C       283       28JAN04A       10JAN05       15       -179         uct Retaining Wall RW-C; bays 22-24       40       24MAR04A       14MAY04       0       -125         uct Retaining Wall RW-C; Bays 1-3       18       28APR04       19MAY04       0       -129	ruct Culvert bays 3-4; Outfall 1       24       22MAY04       18JUN04       0       -125         II MI; VO 244       15MAY04       19MAY04       0       -93         ation for SMMI2 & 675mm twin pipes       12       20MAY04       0JUN04       0       -93         ate/break existing retaining wall       12       0JUN04       17JUN04       0       -93         675mm twin pipes/relistate exist, wall       12       18JUN04       03JUN04       0       -93         675mm twin pipes/relistate exist, wall       12       18JUN04       03JUN04       0       -93         d Martine Works       mLength )	ruct Culvert bays 3-4; Outfall 1       24       22MAY04       18JUN04       0       -125         II MI; VO 244       ation for SMMI2 & 675mm twin pipes       4       15MAY04       19MAY04       0       -93         ation for SMMI2 & 675mm twin pipes       12       20MAY04       03UN04       0       -93         ate/break existing retaining wall       12       04JUN04       17JUN04       0       -93         675mm twin pipes/reinstate exist, wall       12       18JUN04       0       -93         61 Matrine Works       m       Length       -       -       -         ar Fill at FB03, W. way bays 1-12/RWC(1-3)       30       02FEB04A       30JUN04       50       -129         uct Retaining Wall RW-C;       283*       28JAN04A       10JAN05       15       -179         uct Retaining Wall RW-C; bays 1-3       18       28APR04       19MAY04       0       -129         uct Retaining Wall RW-C; bays 1-3       18       28JAN044       19MAY04       0       -129         uct Retaining Wall RW-C; bays 1-3       18       28APR04       19MAY04       0       -129         uct Retaining Wall RW-C; bays 1-3       18       28APR04       19MAY04       0       -129         ap	uct Culvert bays 3-4; Outfall I       24       22MAY04       13ULN04       0       -125         II MI; VO 244       ation for SMMI2 & 675mm twin pipes       12       20MAY04       0       -33         ation for SMMI2 & 675mm twin pipes       12       20MAY04       0       -33         ate/break existing retaining wall       12       20MAY04       0       -33         675mm twin pipes/reinstate exist, wall       12       14UN04       17JUN04       0       -33         675mm twin pipes/reinstate exist, wall       12       18UN04       03JUL04       0       -33         675mm twin pipes/reinstate exist, wall       12       18UN04       03JUL04       0       -33         ar Fill at FB03, W. way bays 1-12/RWC(1-3)       30       02FEB04A       30JUN04       50       -129         uct Retaining Wall RW-C       283       29JAN04A       10JAN05       15       -179         uct Retaining Wall RW-C; bays 1-3       18       28APR04       14MAY04       0       -129         approx. 50m long hoarding; V.O. 267       18       12JUL04       02AUG04       0       -129         approx. 50m long hoarding; V.O. 267       18       12JUL04       02AUG04       0       -129         SeWerage Work	uct Culvert bays 3-4; Outfall 1       24       22MAY04       18JUN04       0       -125         II MI; VO 244	uct Culvert bays 3-4; Outfall         24       22MAY04       18JUN04       0       -125         II MI; VO 244	uct Culvert bays 3-4; Outfall 1 24 22MAY04 15UN04 0 -125 II MI; VO 244 ation for SMM12 & 675mm twin pipes 4 15MAY04 15MAY04 0 -33 ate/broak existing retaining wall constraining wall and the pipes 2 22 20MAY04 03UN04 0 -33 ate/broak existing retaining wall constraining wall and the pipes ate exist, wall 1 2 15UN04 03UL04 0 -33 d Martine Works m Length ) ar Fill at FB03, W. way bays 1-12/RWC(1-3) 30 02FEB04A 30UL04 0 -43 d Martine Works m Length ) ar Fill at FB03 Walkway (bays 13-21) 40 15UN04 04U004 0 -44 uct Retaining Wall RW-C, bays 22-24 40 22MAR04 14MAY04 40 -155 t slope/excavate for RW-C; Bays 1-3 18 22APR04 19MAY04 0 -129 uct Retaining Wall RW-C, bays 1-3 30 20MAY04 25UN04 0 -179 biological for RW-C; Bays 4-21/25-33 80 12UL04 150CT04 0 -179 Sewerage Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 20 -179 Works at R10; VO No, 209 30 25FEB04A 40MAY04 20 -179 Works at R10; VO No, 209 30 25FEB04A 40MAY04 20 -179 Works at R10; VO No, 209 30 25FEB04A 40MAY04 20 -179 Works at R10; VO No, 209 30 25FEB04A 40MAY04 20 -179 Works at R10; VO No, 209 30 25FEB04A 40MAY04 20 -179 Works at R10; VO No, 209 30 25FEB04A 40MAY04 20 -179 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Works at R10; VO No, 209 30 25FEB04A 40MAY04 50 57 Wo	uuct Culvert bays 3-4; Outfall 1       24       22MAY04       18UN04       0       -125         II MI; VO 244	uct Culvert bays 3-4; Ouffall 1       24       24AY04       18UN04       0       -125         II MI; VO 244	uct Culvert bays 3-4; Outfall I       24       22MAY04       18UUN04       0       -125         alten for SMM12 & 675mm twin pipes       12       15MAY04       16MAY04       0       33         dir SMM12 & 675mm twin pipes       12       22MAY04       18UUN04       0       33         dir SMM12 & 675mm twin pipes       12       18UN04       0       33       34         dir SMM12 & 675mm twin pipes/relative exist, wall       12       18UN04       0       33         dir Martine Works       11       19UN04       0       43         m Length )       ar Fill at FB03, W. way bays 1-12/RWC(1-3)       30       02FEB04A       30UN04       50       129         ar Fill at FB03 Walkway (bays 13-21)       40       104N05       15       179       41         uct Retaining Wall RW-C; bays 12-21       40       24MAR04A       14MAY04       40       153         uct Retaining Wall RW-C; bays 1-3       18       24MAR04A       14MAY04       172       41       150         uct Retaining Wall RW-C; bays 1-3       18       24MAR04A       14MAY04       172       41       179         uct Retaining Wall RW-C; bays 1-3       18       24MAR04A       172       42       179       40

Activity	Activity				<u> </u>	щ. ; ,	1	÷.	pter ser	1 - 1 - N	· .				200	4									
	Description	Orig		Early	% 	Total			PR		l		MAY					N_					JUL		
	and the second second second second second second second second second second second second second second second	Dui	Start	Finish	Comp	Float	5	12	<u>,19</u>	26	<u>.3</u>	10		24	31	77	14	4	21	_28	15	1	21	9	_26
	sted Watermains	n geor	ਿੱਟ ਗੁਣਦਾ		<u> </u>			· .																	
Entrusted	Water Mains					* 22 									;										
12-1225	DN1000FW/Associated Wks E/B bet CH4320-4470	73*	16JUN04	11SEP04	0	-68	1																		
12-12252	Trial pits/Sheet piling/excavate at CH4320-4470	65	16JUN04	02SEP04	0	-68															1				
12-12222	DN1000FW/Associated Wks W/B bet CH3850-3950	25	18JUN04	19JUL04	0	-129	]												-					I	
12-12254	DN1000FW/Associated E/B Wks bet CH 4320-4470	65	26JUN04	11SEP04	. 0	-68	1								Ì				Í						
- Ke Repre	ovisioning of LCSD & FEHD Facilities					1124								-										••••	
FEHD Faci																									,
13-1350	Reprovision Pavillion & Pai Lau	250*	22DEC03A	28OCT04	30	67			-X.005-1 <b>34-52</b>	i statest	5104245	is and the second second second second second second second second second second second second second second s			ine ine ine	in the second	NEAR STATE	ter en se	H-34	- <b></b>		enterio	<u>1</u>	12 v.	<u></u>
13-1353	Substructure of Pavilion	18	16APR04	07MAY04	0	167			et fizza esti con	i kana ka	<b>1900-</b> 0000	]													:
Stairways																									i
13-1336	Const. New Pavilion/ret. wall/stair; VO 211	60*	15MAY04	27JUL04	0	-153													-			1.1	-40/ P	1.1	
13-13362	Excavate for Pavilion/ret. wall/stair; VO 211	12	15MAY04	29MAY04	0	-153																			
13-13364	Const. RW-C1 incl. mass conc. foundation; VO 211	24	31MAY04	28JUN04	0	-153									, ministrational de la construcción de la construcc		•								
13-13366	Const. New Pavilion/stair; VO 211	24	29JUN04	27JUL04	0	~153									1					Ē		w		n att av 1	
46 Jeanos	cape Works					5-95																			
Tree Fellin	g and Transplanting	2 ( j. 1	196 <sup>11</sup>		1.1	1.0			1	•										ļ					-
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APPENDIX B Log record on environmental complaints

No.	Date of Complaint Received	Description	Propopsed Actions	Completion Date	Remarks
029	12-Aug-02	Complaint from Mr. Au regarding muddy water washing out from Kowloon Bound Lane from the construction site	Enlarge concrete paving at site entrance; 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	16-Aug-02	
036	31-Aug-02	Complaint from Mrs. Chung regarding the generation of fugitive dust from the construction site in front of Tsing Lung Tau	Frequent watering of the related works area with the aid of water browser	31-Aug-02	
054	07-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	07-Dec-02	
067	03-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	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	06-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	06-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.

No.	Date of Complaint Received	Description	Propopsed Actions	Completion Date	Remarks
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
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	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	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	05-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	The water pipe was repaired on 9 May 2003. The Contractor has explained that the rocky slope was ouside the site boundary.	09-May-03	
082	07-May-03	Complaint from Ms. Chan regarding water ponding on existing footpath along Castle Peak Road near the Contractor's site office.	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.

No.	Date of Complaint Received	Description	Propopsed Actions	Completion Date	Remarks
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	03-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.	06-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.
088	03-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.	06-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
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.	04-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.

No.	Date of Complaint Received	Description	Propopsed Actions	Completion Date	Remarks
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	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.	05-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 process.	11-Sep-03	
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	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.	26-Nov-03	

No.	Date of Complaint Received	Description	Propopsed Actions	Completion Date	Remarks
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 contacted FEHD to follow up the issue.	01-Dec-03	
116	06-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.	08-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.
123	20-Feb-04	Complaint from Mr Ho of TL60 Management Ltd was received on 20 February 2004 regardingnoise arising from the temporary steel plates on road pavement near Blocks 1 & 2 of Hong Kong	Condition of the decking plat was checked on 23 February 2004 and was repaired on 24 February 2004 during off peak hours.	24-Feb-04	Regular inspection will be conducted and adjacent works was be expedited to allow early road diversion for permanent removal of the steel plates.