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### TEST REPORT

### LEADER - WAI KEE (C&T) JOINT VENTURE

**REMAINING ENGINEERING INFRASTRUCTURE WORKS FOR** PAK SHEK KOK DEVELOPMENT **PACKAGE 2A** 

(CONTRACT NO.: TP 37/03)

**MONTHLY EM&A REPORT** 

(APRIL AND MAY 2005)

Prepared by:

**Environmental Officer** 

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Report No.: ENA50303



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# INDEPENDENT ENVIRONMENTAL CHECKER CHECK CERTIFICATE

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### **EXECUTIVE SUMMARY**

This monthly EM&A report (No.1) has been prepared to document the impact monitoring works conducted for the Contract of the Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A (Contract No: TP 37/03) during the reporting period from 25 April to 31 May 2005.

### Construction Progress

The major construction works in this reporting month were as below:

- Drainage works at Road L4, Section 6,7,8 and Science Park Road Drainage Works
- Planter wall construction at Section 7 & 8;
- Waterworks at Section 7
- Seawall at Landscape Node P1, P3 and Public Landing Step

### **Environmental Monitoring Progress**

The summary of the monitoring activities in this monitoring month is listed below:

- Noise Monitoring (Day-time): 5 Occasion at 4 designated locations
- 24-hour TSP Monitoring: 7 Occasions at 3 designated locations
- 1-hour TSP Monitoring: 16 Occasions at 3 designated locations
- Weekly-site inspection: 5 Occasions

### Noise Monitoring

No exceedances of Action and Limit levels for noise monitoring were recorded in the reporting month.

### Air Monitoring

No exceedances of Action and Limit levels were recorded for 24-hr and 1-hr TSP monitoring in the reporting month.

### Wastewater Monitoring

Water quality monitoring was carried out at 25 May 2005. One wastewater sample was collected from the discharge point at the construction site. The results of suspended solids content of the wastewater sample was complied the discharge limit of the Discharge Licence. The test report was attached at Appendix I. The test report had been submitted to the EPD at 01 June 2005 (Ref No.: J0402/03.09/05/4278L).

### Site Inspection

Environmental site inspections conducted in this reporting month are presented as follows:

Concerned Parties

Dates of Audit / Inspection

ET (weekly site inspection)

30/04, 07/05, 14/05, 21/05, 28/05

IEC/LWKJV/ET (Monthly site inspection)

25/05

The observations were raised during this reporting month. The site inspection findings are presented as follows:

Item	1 1 1 1 1 1 1 1	Findings	Action(s) taken by LWKJV	ET Verification
1	Water	Wastewater was found discharged without passing through the sedimentation tank at Road L4 during weekly site inspections (30/04/05).	The contractor replied the sedimentation tank was not operating since improvement works of the drainage channel was carried out during the site inspection. The sedimentation tank will be operated immediately when the improvement works were completed.	During the subsequent site inspection (07/05/05), it was found that the wastewater was found passed through the sedimentation tank before discharge . Hence, the finding was completed and no further actions were required.
2	Chemical	Chemicals were found exposed at Contractor's site office during weekly site inspection (30/04/05).	The contractor replied to store the chemicals in designated chemical storage area.	During the subsequent site inspection (07/05/05), it was found that the chemicals had been removed. Hence, the finding was completed and no further actions were required.
3	Water	Standing water was found at SA14 during the weekly site inspection (30/04/05).	The contractor replied to drain the standing water out and fill up the area by using sand to avoid accumulation of water during rainy day.	During the subsequent site inspection (14/05/05), it was found that the standing water had been drained through the temporary ditch. Hence, the finding was completed and no further actions were required.



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Item	Aspects	Findings	Action(s) taken by LWKJV	ET Verification
4	Waste	Rubbish skip was found full at Road L4 during weekly site inspection (07/05/05).	The Contractor replied to provide manpower to clean up the rubbish skip immediately and regularly.	During the subsequent site inspection (14/05/05), it was found that the rubbish skip had been cleaned up. Hence, the finding was completed and no further actions were required.
5	Air	Stockpile at Science Park Road Additional Area was only partly covered during weekly site inspection (07/05/05)	The Contractor replied to cover all stockpiles to avoid dust generation.	During the subsequent site inspection (14/05/05), it was found that the stockpile had been covered. Hence, the finding was completed and no further actions were required.
6	Chemical	Flammable chemical was exposed on Chemical Storage Area during the weekly site inspection (14/05/05).	The Contractor replied to cover the chemical to prevent over heat under sunlight.	During the subsequent site inspection (21/05/05), it was found that the chemical had been removed. Hence, the finding was completed and no further actions were required.
7	Water	Standing water was observed at Road L4 during weekly site inspection (21/05/05 and 28/05/05).	The Contractor replied to drain the standing water to prevent mosquito breeding.	Since the finding was still observed at the last weekly site inspection of this reporting month, the finding will be verified at the first inspection at the coming month.

### Waste Management

According to weekly site inspection, ET found that the Contractor followed the recommended procedures stipulated in the Waste Management Plan (WMP) on handling and disposal of wastes. 6100 m³ inert C&D materials and 3000 kg C&D Wastes (e.g. general refuse) were generated. All inert C&D materials were reused in the Contract and other wastes were handling under the instruction and procedure stated in the WMP in this reporting month.

### **Environmental Complaints**

No environmental complaints were received in this monitoring month.

### Notification of summons and successful prosecutions

No notification of summons and prosecutions with respect to environmental issues were registered in this reporting month.

### Future Key Issues

Base on the site inspections and forecast of engineering works in the coming month, key issues to be considered are as follows:

- Noise and air quality impact due to construction works;
- · Maintain wheel washing facilities properly;
- Cleanup the access road regularly;
- · Watering, hydro-seeding or covering all stockpiles with tarpaulin to avoid wind and water erosion;
- · Diverting the silty runoff to sedimentation trap or sedimentation tanks;
- Use and maintenance of silt curtain properly during marine works;
- · Maintain good site practice and waste management to minimize environmental impacts at the site;
- Follow-up improvements on waste management issues.

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### 1.0 INTRODUCTION

Leader – Wai Kee (C&T) Joint Venture (LWKJV) appointed Environmental Team (ET) of ETS-Testconsult Limited (ETL) to undertake the Environmental Monitoring and Audit (EM&A) for Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A (Contract No.: TP 37/03).

In accordance with the Section 10 of Environmental Permit to Construct and Operate a Designate Project (EP-108/2001/AEP-108/2001), EM&A programme as set out in the EM&A Manual is required to be implemented. In accordance with the EM&A manual, environmental monitoring of air quality and noise is required for the Project. The EM&A requirement for each parameter are described in details in subsequent sections, including:

- All monitoring parameters;
- Action and Limit levels for all environmental parameters;
- · Event-Action Plans:
- · Environmental mitigation measures, as recommended in the project EIA study report;
- · Environmental requirements in contract documents.

This monthly EM&A report summarizes the impact monitoring results and audit findings of the EM&A program during the reporting period from 25 April to 31 May 2005.

### 2.0 PROJECT INFORMATION

### 2.1 Background

Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A (Contract No.: TP 37/03) was planned and designed by the Civil Engineering and Development Department (CEDD).

As the main Contractor of the captioned project: contracted by, LWKJV will follow the environmental monitoring recommendation stated at the EM&A Manual that was prepared with reference to the EIA Study for Feasibility Study on the Pak Shek Kok Development Area (PSKDA) Environmental Monitoring and Audit Manual under Agreement No. CE 90/96.

### 2.2 Site Description

Generally, the construction site is located at Pak Shek Kok development area. Surrounding the construction site, there are two air sensitive receivers: HKIB Staff Accommodation and Cheung Shue Tan Village and three noise sensitive receivers: HKIB Staff Accommodation, CUHK Residence No.10 and Cheung Shue Tan Village.

Figure 1 and 2 show the noise and air monitoring locations of this project.

### 2.3 Construction Programme

Details of construction programme are shown in Appendix F.

### 2.4 Project Organization and Management Structure

The organization chart and lines of communication with respect to the on-site environmental management and monitoring program are shown in Appendix A.

### 2.5 Contact Details of Key Personnel

The key personnel contact names and telephone numbers, and construction programme are shown in table 2.1.

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Table 2.1 Contact Details of Key Personnel

Organization Project Role		Name of Key Staff	Tel. No.	Fax No.
CEDD	Mr. M. S. Lam	Employer	2158 5630	2693 2918
Hyder	Mr. Herman Fong	Engineer	2603 6638	2603 7883
LWJV	Mr. T. T. Wong	Project Manager	2442 1123	2442 9733
Hyder Ir. Coleman Ng		Independent Environmental Checker	2911 2233	2805 5028
ETL Mr. C.L. Lau		Environmental Team Leader	2946 7791	2695 3944

### 3.0 CONSTRUCTION PROGRESS IN THIS REPORTING MONTH

The site area of this project is shown in Appendix G.

A summary of the major construction activities undertaken in this monitoring month is shown in Table 3.1. The implementation of corresponding mitigation measures is summarized in Table 3.2.

Table 3.1 Major Construction Activities in this reporting month

Major Construction Activity	Location
Drainage Works	Road L4, Section 6, 7, 8 and Science Park Road
Planter Wall Construction	Section 7 & 8
Water Works	Section 7
Seawall Construction	Landscape Node P1, P3 and Public Landing Step

Table 3.2 Implementation of Environmental Mitigation Measures

General
construction
works

- Effective water sprays used on the site at potential dust emission sources such as haul roads and unpaved areas;
- The heights from which fill materials are dropped should be controlled to a practical height to minimize the fugitive dust arising from unloading;
- Minimize of exposed soil areas to reduce the potential for increased siltation and contamination of run-off;
- Water, hydro-seed or cover the open stockpile and exposed loose soil areas by using clean tarpaulin sheets;
- Provide proper and efficient drainage facilities (e.g. wheel washing facilities) and sedimentation system to ensure that site runoff should be treated before discharged to drains;
- · Remove the sand/rubbish accumulated in the drain/channel regularly;
- Use and maintenance of silt curtain properly during marine works;
- Provide good site practice (e.g. selection of quieter plant and working methods and reduction in number of plant operating in critical areas close to NSRs) to limit noise emissions at source;
- · Remove the construction waste accumulated inside or outside the site regularly.

### 4.0 AIR QUALITY MONITORING

### 4.1 Monitoring Requirement

1-hour and 24-hour TSP monitoring were required to conducted to monitor the air quality, at designated monitoring locations:

- HKIB Staff Accommodation (on ground floor near the entrance facing south-east);
- Cheung Shue Tan Village (near the outer building, temple) for 1-hr TSP monitoring;
- Cheung Shue Tan Village (in front of Man Kee Store) for 24-hr TSP monitoring;
- Near Wen Chih Tang at the CUHK.

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### 4.2 Monitoring Equipment

Continuous 24-hour TSP air quality monitoring was performed using a GMWS2310 High Volume Air Sampler (HVS) located at each of the designated monitoring station. One portable dust meter was used to carry out the 1-hour TSP monitoring. Table 4.1 summarizes the equipment used in the air quality monitoring programme. A copy of the calibration certificates for the HVS and portable dust meter are attached in Appendix B1.

Table 4.1 Air Quality Monitoring Equipment

Equipment	Model and Make
HVS	Greasby GMWS2310
Calibrator	Tisch TE-5025A
1-hour TSP Dust Meter	TSI Model 8520 Dust Trak™ Aerosol Monitor

### 4.3 Monitoring Parameters, Frequency and Duration

Table 4.2 summarizes the monitoring parameters, monitoring duration and frequencies of air quality monitoring.

Table 4.2 Monitoring parameters, duration, frequencies of impact air quality monitoring

Parameter	Duration	Frequency
24-hr TSP	24 hr (0000-2400)	Once every six days
1-hr TSP	1 hr (0700-1900)	Three times every six days

### 4.4 Monitoring Locations and Schedule

Table 4.3 tabulates the air quality monitoring locations of this project.

Table 4.3 Air quality monitoring locations

Air quality Monitoring stations	Locations
AM1	HKIB Staff Accommodation (on ground floor near the entrance facing south-east) for 1-hr TSP monitoring
AM3	Cheung Shue Tan Village (near the outer building, temple) for 1-hr TSP monitoring
AM3A	Cheung Shue Tan (in front of Man Kee Store) for 24-hr TSP monitoring
AM5	Near Wen Chih Tang at the CUHK

The air quality monitoring schedule for 24-hr and 1-hr TSP monitoring at designated monitoring locations is summarized in table 4.4.

Table 4.4 Monitoring Schedule for the air quality monitoring stations

Air quality			Monitoring Period								
monitoring	Location		24-h	r TSP		1-hr TSP					
stations	Location	Start		Finish		Date	Charact	Ciniah			
010170110		Date	Time	Date	Time	Date	Start	Finish			
AM1	HKIB Staff					26/04/05	15:10	16:10			
	Accommodation					28/04/05	10:02	11:02			
						30/04/05	10:40	11:40			
						03/05/05	09:45	10:45			
						05/05/05	08:30	09:30			
						07/05/05	14:08	15:08			
						10/05/05	13:00	14:00			
						12/05/05	15:02	16:02			
						14/05/05	09:45	10:45			
						17/05/05	09:30	10:30			
						19/05/05	11:00	12:00			
						21/05/05	09:00	10:00			
		•				24/05/05	13:00	14:00			
						26/05/05	09:15	10:15			
						28/05/05	11:00	12:00			
						31/05/05	11:00	12:00			

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Air quality				Ма	nitoring F	Period		
monitoring	Location	24-hr TSP				1-hr TSP		
stations	Location	Sta		Finis		Date	Start	Finish
		Date	Time	Date	Time			l
АМЗ	Cheung Shue Tan					26/04/05	10:18	11:18
	Village					28/04/05	16:32	17:32
	(Near the outer					30/04/05	13:00	14:00
	building, temple)					03/05/05	11:00	12:00
						05/05/05	13:00	14:00
						07/05/05 10/05/05	08:30	09:30 10:55
						12/05/05	09:55 09:50	10:50
	j					14/05/05	11:00	12:00
						17/05/05	13:15	14:15
						19/05/05	08:00	09:00
						21/05/05	14:20	15:20
						24/05/05	10:30	11:30
						26/05/05	10:30	11:30
						28/05/05	13:00	14:00
						31/05/05	09:30	10:30
AM5	Near Wen Chih					26/04/05	18:00	19:00
	Tang at the CUHK					28/04/05	17:48	18:48
						30/04/05	14:20	15:20
						03/05/05	15:45	16:45
						05/05/05	14:15	15:15
						07/05/05	09:50	10:50
						10/05/05	16:20	17:20
			-			12/05/05 14/05/05	11:00 13:00	12:00 14:00
						17/05/05	14:30	15:30
						19/05/05	13:00	14:00
						21/05/05	13:00	14:00
						24/05/05	14:20	15:20
						26/05/05	14:00	15:00
						28/05/05	14:15	15:15
						31/05/05	14:40	15:40
AM1	HKIB Staff	25/04/05	17:18	26/04/05	17:16			
	Accommodation	30/04/05	10:42	01/05/05	10:52			
		06/05/05	08:35	07/05/05	08:34			
		12/05/05	15:08	13/05/05	14:54			
		18/05/05	09:55	19/05/05	09:59			
		24/05/05	13:10	25/05/05	13:15			
		30/05/05	09:15	31/05/05	09:11			
АМЗА	Cheung Shue Tan	25/04/05	16:45	26/04/05	17:02			
	(in front of Man	30/04/05	13:02	01/05/05	13:45			
	Kee Store)	06/05/05	09:55	07/05/05	10:16			
	1	12/05/05	09:54	13/05/05	10:07			
		18/05/05	09:28	19/05/05	09:59			
		24/05/05	10:39	25/05/05	10:56			
		30/05/05	09:22	31/05/05	09:20			
AM5	Near Wen Chih	25/04/05	17:05	26/04/05	17:08			
	Tang at the CUHK	30/04/05	14:22	01/05/05	14:32			
		06/05/05	Cancelled	due to no por	wer supply			
		12/05/05	15:30	13/05/05	15:31	]		
		18/05/05	09:38	19/05/05	09:17	]		
		24/05/05	14:22	25/05/05	14:32	1		
		30/05/05	08:55	31/05/05	09:21	1		

### 4.5 Monitoring Methodology

### 4.5.1 24-hour TSP Monitoring

### Instrumentation

High volume sampler, as HVS, (Greasby GMWS2310) complete with appropriate sampling inlets are employed for 24-hour TSP. The sampler is composed of a



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motor, a filter holder, a flow controller and a sampling inlet and its performance specification complies with that required by USEPA standard Title 40, Code of Federation Regulations Chapter 1 (Part 50).

### Installation

The installation of HVS refers to the requirement stated in EM&A Manual.

### Operation/Analytical Procedures

Operating/analytical procedures for the operation of HVS are as below:

Prior to the commencement of the dust sampling, the flow rate of the high volume sampler was properly set (between 0.6m³/min and 1.7m³/min.) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50.

- · For TSP sampling, fiberglass filters (GA-55) were used.
- · The power supply was checked to ensure the sampler worked properly.
- On sampling, the sampler was operated 5 minutes to establish thermal equilibrium before placing any filter media at designated air monitoring station.
- The filter holding frame was then removed by loosening the four nuts and carefully a
  weighted and conditioned filter was centered with the stamped number upwards, on
  a supporting screen.
- The filter was aligned on the screen so that the gasket formed an air-tight seal on the outer edges of the filter. Then the filter holder frame was tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges.
- The programmable timer will be set for a sampling period of 24 hours. Information
  was recorded on the record sheet, which included the starting time, the weather
  condition and the filter number (the initial weight of the filter paper can be found out
  by using the filter number.).
- After sampling, the filter was transferred from the filter holder of the HVS to a sealed plastic bag and sent to the laboratory for weighting. The elapsed time was also recoded.
- Before weighting, all filters were equilibrated in a desiccator for 24 hour with the temperature of 25°C ± 3°C and the relative humidity (RH) <50% ±5%.</li>

### Maintenance & Calibration

- The HVS and their accessories should be maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.
- HVS should be calibrated at bi-monthly intervals.

### 4.5.2 1-hour TSP Monitoring

### Measuring Procedures

The measuring procedures of the 1-hr dust meter are in accordance with the Manufacturer's instruction Manual as follows:

- Set POWER to ON, check the battery indicator to ensure whether the power supply is enough to conduct the TSP monitoring;
- · Calibrate the dust meter by zero check;
- · Set the TIME CONSTANT of the dust meter:
- · Press SAMPLE to start the TSP monitoring;
- Record the maximum, minimum and average reading directly from the dust meter by press STATISTICS when monitoring complete.

### Maintenance & Calibration

 1-hr dust meter should be checked at 3-month intervals and calibrated at 1-year intervals throughout all stages of impact air quality monitoring.

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### 4.5.3 Wind Data Monitoring

Wind data (wind speed and wind direction) were directly extracted from Sha Tin Station (located at Sha Tin Race Course) of Hong Kong Observatory. All wind data during this reporting month are shown in Appendix D.

### 4.6 Action and Limit Levels

Action and Limit levels for 24-hr TSP and 1-hr TSP derived as illustrated in Table 4.5.

Table 4.5 Action and Limit Levels for 24-hr TSP and 1-hr TSP

Monitoring Location	24-hr TSF	<sup>2</sup> (μg/m³)	1-hr TSP (μg/m³)		
Worldoning Location	Action Level	Limit Level	Action Level	Limit Level	
AM1	164 *	260 *	325 *	500 *	
AM3			306 **	500 **	
AM3A	183 **	260 **			
AM5	174	260	329	500	

Reference to the information contained in the Baseline Monitoring Report submitted under the "Advance Engineering Infrastructure Works for Pak Shek Kok Development – Southern Access Road and Sewage Pumping Station No.3.

### 4.7 Event-Action Plans

Please refer to Appendix E for details.

### 4.8 Results

### 4.8.1 24-hour TSP Monitoring

All monitoring data of 24-hour TSP monitoring is provided in Appendix B2. Graphical presentation of 24-hour TSP monitoring results for the reporting month is shown in Appendix B3.

No exceedances of Action and Limit Level of 24-hour TSP monitoring results were recorded during the reporting month.

### 4.8.2 1-hour TSP Monitoring

1-hour TSP monitoring was carried out at monitoring stations, AM1 and AM3 in the reporting month. All monitoring data of 1-hour TSP monitoring is provided in Appendix B2. Graphical presentation of 1-hour TSP monitoring results for the reporting month is shown in Appendix B3.

No exceedances of Action and Limit Level of 1-hour TSP monitoring results were recorded during the reporting month.

### 5.0 Noise Monitoring

### 5.1 Monitoring Requirements

As the requirement in EM&A Manual, noise monitoring was conducted at designated monitoring locations:

- HKIB Staff Accommodation (on ground floor near the entrance facing south-east);
- Cheung Shue Tan Village (near the outer building, temple);
- CUHK Residence No.10;
- Near Wen Chih Tang at the CUHK.

<sup>\*\* =</sup> Reference to the information contained in the Baseline Monitoring Report submitted under the "Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 1 -- Contract No. TP 35/02.

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### 5.2 Monitoring Equipment

Integrating Sound Level Meters were used for noise monitoring. They were Type 1 sound level meters capable of giving a continuous readout of the noise level reading including equivalent continuous sound pressure level ( $L_{eq}$ ) and percentile sound pressure level (Lx). They comply with International Electro technical Commission Publications 651:1979 (Type1) and 804:1985 (Type1), and speed in m/s was used to monitor the wind speed.

Table 5.1 summarized noise monitoring equipment model being used. A copy of the calibration certificates for noise meters and calibrator are attached in Appendix C1.

Table 5.1 Noise Monitoring Equipment

Equipment	Model
Integrating Sound Level Meter	Rion NL-31 Sound Level Meter
Calibrator	Rion NL-73 Sound Level Calibrator
Portable Wind Speed Indicator	TSI Model 8340-M Air Velocity Meter

### 5.3 Monitoring Parameters, duration and Frequency

Noise monitoring for the A-weighted levels Leq, L10 and L90 were recorded. The following guide on the regular monitoring frequency for each monitoring station on a per week basis when noise generating activities are underway:

- One set of measurements between 0700-1900 hours on normal weekdays (6 consecutive L<sub>eq(5-min)</sub>);
- One set of measurements between 1900-2300 hours (3 consecutive L<sub>eq(5-min)</sub>)\*;
- One set of measurements between 2300-0700 hours of next day (3 consecutive L<sub>eq(5-min)</sub>)\*;
- One set of measurements between 0700-1900 hours on holidays (3 consecutive  $L_{eq(5-min)}$ )\*.

(\*): Noise monitoring to be conducted only when there is construction work.

Duration, frequencies and parameters of noise measurement are presented in Table 5.2.

Table 5.2 Duration, Frequencies and Parameters of Noise Monitoring

Time period	Duration/min	Parameters	Frequency
Day-time: 0700-1900 hrs on normal weekday	30	Leg. L10, L90	Once per week
Evening-time: 1900-2300 hrs	15	Leg. L10, L90	Once per week
Night-time: 2300-0700 hrs of next day	15	Leg, L10, L90	Once per week
Holiday: 0700-1900 hrs	15	Leg. L10, L90	Once per week

### 5.4 Monitoring Locations and Period

In this reporting month, there were four noise monitoring locations: HKIB Staff Accommodation, Cheung Shue Tan Village, CUHK Residence No.10 and Near Wen Chih Tang at the CUHK. The location of the monitoring stations are described in Table 5.3 and depicted in Figure 1.

Table 5.3 Noise Monitoring Locations

Noise Monitoring station	Location
NM1	HKIB Staff Accommodation
I VIVI I	(on ground floor near the entrance facing south-east)
NM2	CUHK Residence No.10
NM3	Cheung Shue Tan Village (near the outer building, a temple)
NM8	Near Wen Chih Tang at the CUHK

The noise-monitoring programme of monitoring locations (Day-time, Evening-time, Holiday and Night-time) is summarized in Table 5.4.

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ENA50303 Environmental Monitoring Summary Report No.1

Table 5.4 Monitoring Periods for noise monitoring stations

Noise monitoring	Monitoring Period										
stations	Day-time		Evening-time		Holiday		Night-time				
NM1	28/04/05	10:03			****						
	05/05/05	08:32									
ſ	12/05/05	13:03									
[	19/05/05	11:06									
	26/05/05	09:17									
NM2	28/04/05	10:45									
	05/05/05	14:27									
	12/05/05	16:12									
	19/05/05	16:15									
	26/05/05	15:10									
NM3	28/04/05	16:35									
	05/05/05	13:02									
	12/05/05	09:50									
Ī	19/05/05	08:02									
	26/05/05	10:32									
NM8	28/04/05	11:30									
	05/05/05	14:17									
	12/05/05	11:03									
	19/05/05	13:05									
	26/05/05	14:02									

### 5.5 Monitoring Procedures and Calibration Details

### Operation/Analysis Procedures

- The Sound Level Meter was set on a tripod at a height of 1.2m above the ground.
- For free field measurement, the meter was positioned away from any nearby reflective surfaces.
- The battery condition was checked to ensure the correct functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
  - Frequency weighting: A
    Time weighting: Fast
    Time measurement: 5 mins
- Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94 dB at 1000HZ. If the difference in the calibration level before and after measurement was more than 1dB(A), the measurement would be considered invalid and repeat measurement would be required after re-calibration or repair of the equipment.
- The wind speed was frequently checked with a portable wind meter.
- During the monitoring period, the Leq, L10 and L90 were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
- Free Field correction to the measurements should be made. Correction factor of +3dB(A) should be made to the free Field measurements.
- Noise monitoring would be cancelled in the presence of fog, rain, wind with a steady speed exceeding 5m/s, or wind gusts exceeding 10m/s.

### Maintenance and Calibration

- The microphone head of the sound level meter and calibrator is cleaned with soft cloth at quarterly intervals.
- The meter is sent to be supplier or HOKLAS laboratory to check and calibrated at yearly intervals.

### 5.6 Action and Limit Levels

The Action and Limit levels for noise levels derived as illustrated in Table 5.5.

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ENA50303 Environmental Monitoring Summary Report No.1

Table 5.5	Action a	and Limit	Levels for	· noise	monitoring

Time Period	Time Period	Action	Limit				
Normal hours	0700-1900 hrs on normal weekdays	When one	75 dB(A) *				
Holiday	0700-1900 hrs on holidays	documented	70 dB(A) **				
Evening-time	1900-2300 hrs on all other days	complaint is					
Night-time	2300-0700 hrs of next day	received	55 dB(A) **				

Reduce to 70 dB(A) for schools and 65 dB(A) during school examination periods.

### 5.7 Event-Action Plans

Please refer to the Appendix E for details.

### 5.8 Results

Only Day-time noise monitoring were carried out at monitoring stations in this reporting month. No Evening-time, Night-time and Holiday noise monitoring were required since no construction works were processed during the night-time period. All noise levels are provided in Appendix C2. Graphical presentation of the monitoring results for the reporting month are shown in Appendix C3.

No Day-time noise monitoring results at all monitoring stations exceeded the Action Level since no documented complaints on noise issue were received in this reporting month. Besides, no exceedances in Limit Level were recorded according to the results from Day-time noise monitoring.

### 6.0 WASTEWATER MONITORING

Effluent Discharge License of this Project is valid from 06 December 2004 (Discharge Licence No.: 3246-Part A and Part B).

Water quality monitoring was carried out at 25 May 2005. One wastewater sample was collected from the discharge point at the construction site. The results of suspended solids content of the wastewater sample was complied the discharge limit of the Discharge Licence. The test report was attached at Appendix I. The test report had been submitted to the EPD at 01 June 2005 (Ref No.: J0402/03.09/05/4278L).

### 7.0 ENVIRONMENTAL NON-CONFORMANCE

### 7.1 Summary of environmental monitoring

No exceedances of Action and Limit Level of 24-hour and 1-hour TSP monitoring results were recorded during the reporting month.

No day-time noise level measured at all monitoring stations exceeded the Action and Limit Level in the reporting month. No evening-time, night-time and holiday noise monitoring were required since no construction works were processed during these periods.

### 7.2 Summary of Environmental Complaints

No environmental complaints were received in this monitoring month.

### 7.3 Summary of Notification of Summons and Prosecution

There was no notification of summons respect to environmental issues registered in this month.

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<sup>\*\* =</sup> Area Sensitivity Rating (ASR) C is selected from the "Technical Memorandum on Noise from Construction Work Other Than Percussive Piling".

ENA50303 Environmental Monitoring Summary Report No.1

### 8.0 SITE INSPECTION

Weekly site inspections were carried out by the ET in this reporting month (30 April, 07, 14, 21 and 28 May 2005). Monthly joint site inspection at 25 May 2005 was carried out by Engineer's Representative, IEC, LWKJV and ET. The implementation status of the mitigation measures on site inspections in this reporting month is presented in Appendix H.

### 8.1 Summary of the site inspection findings and Action(s) taken by LWKJV and ET

Summaries of the site inspection findings in this reporting month are shown in Table 8.1.

Table 8.1 The summary of the site inspection findings and Action(s) taken by LWKJV and ET

lable				ction(s) taken by LVVKJV and E i
Item	Aspects	Findings	Action(s) taken by LWKJV	ET Verification
2	Water	Wastewater was found discharged without passing through the sedimentation tank at Road L4 during weekly site inspections (30/04/05).	The contractor replied the sedimentation tank was not operating since improvement works of the drainage channel was carried out during the site inspection. The sedimentation tank will be operated immediately when the improvement works were completed.	During the subsequent site inspection (07/05/05), it was found that the wastewater was found passed through the sedimentation tank before discharge. Hence, the finding was completed and no further actions were required.
	Chemical	Chemicals were found exposed at Contractor's site office during weekly site inspection (30/04/05).	The contractor replied to store the chemicals in designated chemical storage area.	During the subsequent site inspection (07/05/05), it was found that the chemicals had been removed. Hence, the finding was completed and no further actions were required.
3	Water	Standing water was found at SA14 during the weekly site inspection (30/04/05).	The contractor replied to drain the standing water out and fill up the area by using sand to avoid accumulation of water during rainy day.	During the subsequent site inspection (14/05/05), it was found that the standing water had been drained through the temporary ditch. Hence, the finding was completed and no further actions were required.
4	Waste	Rubbish skip was found full at Road L4 during weekly site inspection (07/05/05).	The Contractor replied to provide manpower to clean up the rubbish skip immediately and regularly.	During the subsequent site inspection (14/05/05), it was found that the rubbish skip had been cleaned up. Hence, the finding was completed and no further actions were required.
5	Air	Stockpile at Science Park Road Additional Area was only partly covered during weekly site inspection (07/05/05)	The Contractor replied to cover all stockpiles to avoid dust generation.	During the subsequent site inspection (14/05/05), it was found that the stockpile had been covered. Hence, the finding was completed and no further actions were required.
6	Chemical	Flammable chemical was exposed on Chemical Storage Area during the weekly site inspection (14/05/05).	The Contractor replied to cover the chemical to prevent over heat under sunlight.	During the subsequent site inspection (21/05/05), it was found that the chemical had been removed. Hence, the finding was completed and no further actions were required.
7	Water	Standing water was observed at Road L4 during weekly site inspection (21/05/05 and 28/05/05).	The Contractor replied to drain the standing water to prevent mosquito breeding.	Since the finding was still observed at the last weekly site inspection of this reporting month, the finding will be verified at the first inspection at the coming month.

### 8.2 Status of Environmental Licensing and Permitting

All permits/licenses valid in this reporting month are summarized in Table 8.2.

Table 8.2 Summary of environmental licensing and permit status

Description	Permit No.	Valid Period		Section
		From	To	
Construction Noise Permit	GW-RN0682- 04	30/12/04	29/06/05	Group A One Tug Boat (CNP 221) Group B Two Derrick Barge (CNP 061) One Dredger, grab (CNP 063)
Chemical Waste Producer	5113-729- LL1113-01	24/09/04		Spent lubricating oil, spent battery parts containing heavy metals

ENA50303 Environmental Monitoring Summary Report No.1

Description	Permit No.	Valid	Period	Section	
		From	То		
Wastewater Discharge License	3246 – Part A	06/12/04	05/12/09	Discharge of trade Effluent, surface run- off and all other wastewater arising from the construction site and sedimentation tank to Coastal water or communal drain for the carriage of surface drainage water.	
Wastewater Discharge License	3246 – Part B	06/12/04	05/12/09	Discharge of trade Effluent, surface run- off and all other wastewater arising from the construction site and on-site aerobic waste water treatment system to soak- away pit.	

### 8.3 Recommendations on site inspection findings in Site Inspections of this month

Based on the site inspection findings, the recommendations are as below:

- All stockpiles should be covered with clean tarpaulin sheets, spraying with water or hydroseeding to avoid wind and water erosion;
- The heights from which fill materials are dropped should be controlled to a practical height to minimize the fugitive dust arising from unloading;
- Minimize of exposed soil areas to reduce the potential for increased siltation and contamination of run-off;
- · Checking and maintaining all the site machines to prevent dust emission;
- Providing briefing to the concerned site staff on remedial actions, such as handling method of chemicals and chemical waste;
- · Use and maintenance of silt curtain properly during marine works;
- Provide good site practice (e.g. selection of quieter plant and working methods and reduction in number of plant operating in critical areas close to NSRs) to limit noise emissions at source;
- · Maintain good waste management at the site.

### 9.0 WASTE MANAGEMENT

### 9.1 Waste Management Audit

Waste management audit was carried out by the ET on a weekly basis. The implementation status of the mitigation measures on waste management in this reporting month is presented in Appendix H.

### 9.2 Records of Waste Quantities

All type of wastes arising from the construction work are classified into the following:

- · General refuses;
- Chemical waste;
- Construction & demolition (C&D) material.

The quantities of waste for disposal in this month are summarized in Table 9.1.

Table 9.1 Summary of Quantities of Waste for Disposal in this reporting month

	Type of Waste	Quantity	Disposal Location	Cumulative Quantity	
	Total Quantity Generated (m³)	6100	Reused in the Contract	33815	
Inert C&D	Broken Concrete (m³)	100	N/A	385 33500	
Materials	Reused in the Contract (m³)	6000	N/A	33500	
	Reused in other Projects (m³)	0	N/A	0	
	Disposal as Public Fill (m³)	0	N/A	0	
·	Metals (1000kg)	0	N/A	37.341	
C&D	Paper/Cardboard Packaging (1000kg)	0	N/A	0.010	
Waste -	Plastics (1000kg)	0	N/A	0.014	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Chemical Waste (1000kg)	0	N/A	1	
	Other, e.g. General Refuse (1000kg)	3	SENT	58.29	

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### 10.0 IMPLEMENTATION STATUS

### 10.1 Implementation Status of Environmental Mitigation Measures

LWKJV has been implementing the required environmental mitigation measures according to Implementation of Mitigation Measures (clause 4.2, 5.2 and 6.2) in Environmental Management Plan for Contract No. TP 35/02 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 1 (Revision 2). The implementation status of the environmental mitigation measures in this reporting month is presented in Appendix H.

### Air Quality

The Contractor was reminded to water or cover all the stockpiles by using clean tarpaulin sheets. The Contractor was also reminded to cleanup the access road regularly to avoid dust emission and provide effective wheel washing facilities.

### Noise

All mitigation measures stated in Appendix H were implemented properly in this reporting month.

### **Water Quality**

The Contractor was reminded to provide more effort to implement mitigation measures, such as diverting site runoff to suitable treatment processes before discharge, sedimentation system and drainage facilities.

### Waste Management

LWKJV has been implementing most mitigation measures on waste management.

### 10.2 Implementation Status of Event and Action Plan

There were no exceedances in air quality and noise monitoring parameters recorded in this monitoring month. No further mitigation measures were required.

### 10.3 Implementation Status of Environmental Complaint Handling

No complaints had been received during this monitoring month.

### 11.0 CONCLUSION

Impact monitoring of air quality and noise were carried out at designated locations in accordance with the EM&A Manual in this reporting month.

According to the summary of air and noise monitoring results, no exceedances of Action and Limit Level of 24-hour and 1-hour TSP monitoring results were recorded during the reporting month. Besides, No Day-time noise level measured at all monitoring stations exceeded the Action and Limit Level in the reporting month. No Evening-time, Night-time and Holiday noise monitoring were required since no construction works were processed during these periods.

Water quality monitoring was carried out at 25 May 2005. One wastewater sample was collected from the discharge point at the construction site. The results of suspended solids content of the wastewater sample was complied the discharge limit of the Discharge Licence.

According to the ET weekly site inspection and IEC monthly site audit carried out this month, it indicated that site practices of the LWKJV were generally undertaken in an environmentally acceptable manner and the overall site environmental performance was satisfactory.

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ENA50303 Environmental Monitoring Summary Report No.1

### 12.0 FUTURE KEY ISSUES

### 12.1 Upcoming EM&A Schedule in coming two months

The Proposed EM&A program in coming two months are presented as following table:

Table 12.1 - Upcoming EM&A Schedule in coming two months

Type of Monitoring	June 2005	July 2005
Noise Monitoring (Day-time)	02, 09, 16, 23, 30	07, 14, 21, 28
1-hour TSP	02, 04, 07, 09, 11, 14, 16, 18, 21, 23, 25, 28, 30	02, 05, 07, 09, 12, 14, 16, 19, 21, 23, 26, 28, 30
24-hour TSP	04, 10, 16, 22, 28	04, 09, 15, 21, 27
Site Inspection	04, 11, 18, 25	02, 09, 16, 23, 30

### 12.2 Upcoming construction works schedule in the coming month

The major construction works planned to be carried out in next two months and their possible impact is tabulated (Table 12.2) for reference.

Table 12.2 - Construction Plan in the coming month

Month	Works Planned to be Carried Out
Between June and July2005	<ul> <li>Road L4, Section 6, 7, 8 and Science Park Road Drainage Works;</li> <li>Planter Wall Construction at Section 7 &amp; 8;</li> <li>Waterworks at Section 7;</li> <li>Seawall at Landscape Node P1, P3 and Public Landing Steps;</li> <li>Ma Liu Shui Piling works, Pre-loading mound;</li> <li>Landscape Node P2 marine structure;</li> <li>Waterworks at Section 5, 6, 7 and 8 and Science Park Road.</li> </ul>

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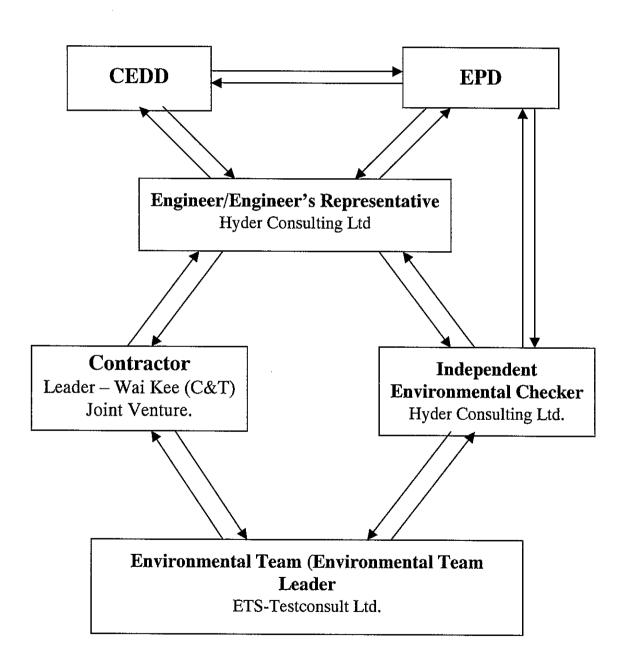
## Appendix A

**Organization Chart and Lines of Communication** 

WAIKEE ES ETS-Tertemoult 118. Carre Oustry TTA/11884-Carechaster (S442 2(LS)) Auktaner Sprreyne (3) Wang Man Chun Chalmenan (S), (6) TRs LEADER Outling Asserance, Environmental, Sufery Almare, Jackle Frang (9)38 9333) Assistance Surveyne (1) Survey Sam Your (904) 9225) Challenan (3)(4) TISA Yately Supercluses Yate Yis Nam Safety Manager David Lee (9161 7133) Safety Officer F. P. Lulk (\$416 0231) Cluf Kin Jok (1) Chalman (Ch.Ch. P. K. Verhi Graduate Engineer (3) Rean Shek (9)27 7060) Thomas Weng Flon Chung (9417 3739) Appromises (3) Chan Chi Tung (9218 9806) Sub-matrartura Graduate Engineer. (3)
Stephen Chan
(92(1) 1534) Board of Directors Apprendes (2) May Ka (9033 1292) Project Manager TT Wing (9302 6926) Site-Agent Page Wal Ito (9464 2392) Nub-musadora Managing Q.S. K. K. Portt (3419 13113) Gradustr Faglorer (8) Actebrate Q. S. Appernike (1) Kwak ('hin To (azze 9946) )han Lau (9834-4836) (6030 6046) Sire Engineer KTTa (9670 6290) 5 Sulh-Contractors Morrey Works Semanths Wrong (9092 1912) Ken Y N Yau (9791 2219) Nie Feginer Sub-Agent KKT Tang (2) 100 2175 Site Admia. Amab & Wafrhiman Lender - Wai Kee (C&T) Joint Venture Contrast Nn. FP 3703 Contrast Nn. FP 3703 Contrast Internative Units for Pait Shek Kott Development Package 2A ORGANIZATION CHART Nuperintendent (Mestae) Jarchi Weg Parroami (2) Engineering Support Remard Tre (612) 3238) Nepertational (Land) N. L. Jam (9490 9385) 1013 Vong Wal Vin Site Novig Head Office Suppost



# **Lines of Communication**





## Appendix B1

Calibration Certificates for Air Quality Monitoring Equipments



### 東業德勤測試顧問有限公司 ETS-TESTCONSULT LIMITED

8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong

Tel: 2695 8318 Fax: 2695 3944 E-mail : etl@ets-testconsult.com Web site : www.ets-testconsult.com

TEST REPORT

### **Internal Calibration Report**

# of <u>Dust Trak Monitor</u>

Manufacturer

TSI - 8520 Dust Trak

Date of Calibration

18 March 2005

Serial No.

15115 (EA/001/02)

Calibration Due Date

17 September 2005

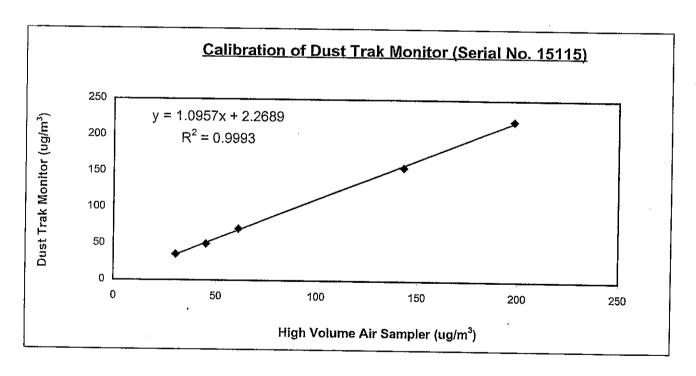
Method

Place two Dust Trak Monitor together at same environment condition for parallel

measurement with five point calibration

Results

Dust Trak Monitor (ug/m³)	36	50	71	156	221
High Volume Air Sampler (ug/m³)	30	45	61	143	198
High Volume Air Sampler Serail No.: 1	178	Calibratio	n Date: 1	5/03/20	 05



Acceptance Criteria

: Correlation coefficient (r) of the calibration curve greater than 0.990 after a five

point calibration

The Dust Trak Monitor complies \* / does not comply \* with the internal calibration procedures and is deemed acceptable \*/ unacceptable-\* for use.

Calibrated by:

Felix Tin (Technician) Approved by

H. T. Chow



### 東 業 德 勤 測 試 顧 問 有 限 公 司 ETS-TESTCONSULT LIMITED

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Tel: 2695 8318

E-mail

: etl@ets-testconsult.com

Fax : 2695 3944

Web site : www.ets-testconsult.com

### TEST REPORT

### **Calibration Report**

of

### High Volume Air Sampler

Manufacturer

Greasby GMW

Date of Calibration

15 March 2005

Serial No.

1178 (ET/EA/003/01)

Calibration Due Date

14 May 2005

Method

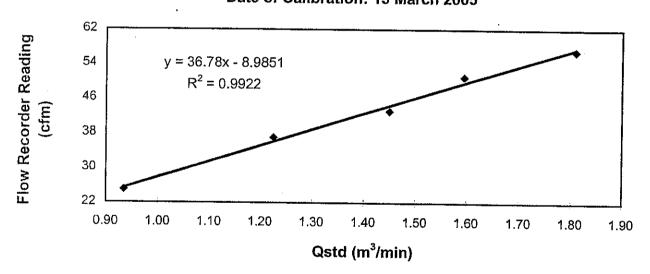
Based on Operations Manual for Graseby Model GS2310 series using calibration

kit TE-5025A

Results

Flow recorder rea	ading (cfm)		57	51	43	37	25
Qstd (Actual flow	rate, m³/min)	3-7	1.81	1.59	1.45	1.23	0.93
Pressure :	763.56	mm Hg		Temp. :	287	K	

# Sampler1178 Calibration Curve Site: Pak Shek Kok Monitoring Station AM1 (24hr.) Date of Calibration: 15 March 2005



Acceptance Criteria:

Correlation coefficient (r) of the calibration curve greater than 0.990 after

a 5 point calibration

The high volume sampler complies \* / does not comply-\* with the specified requirements and is deemed acceptable \*/ unacceptable-\* for use.

Calibrated by :

Felix Tin (Technician) Approved by

H. T. Chow



### 業徳勤測試顧問有限公司 ETS-TESTCONSULT LIMITED

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: etl@ets-testconsult.com E-mail Web site : www.ets-testconsult.com

**TEST REPORT** 

# **Calibration Report** High Volume Air Sampler

Manufacturer

Greasby GMW

Date of Calibration

14 May 2005

Serial No.

1178 (ET / EA / 003 / 01)

Calibration Due Date : 13 July 2005

Method

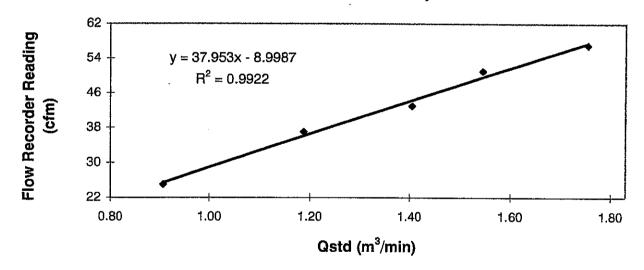
: Based on Operations Manual for Graseby Model GS2310 series using calibration

kit TE-5025A

Results

Flow recorder re	ading (cfm)	57	51	43	37	25
Ostd (Actual flov	w rate, m³/min)	1.75	1.55	1.40	1.19	0.91
Pressure:	754.56 mm Hg		Temp. :	302	K	

### Sampler1178 Calibration Curve Site: Pak Shek Kok Monitoring Station AM1 (24hr.) Date of Calibration: 14 May 2005



Acceptance Criteria:

Correlation coefficient (r) of the calibration curve greater than 0.990 after

a 5 point calibration

The high volume sampler complies \* / does-not-comply \* with the specified requirements and is deemed acceptable \*/ unacceptable \* for use.

Calibrated by:

Peter Leung (Technician)

Approved by



### 德勤測試顧問有限公司 ETS-TESTCONSULT LIMITED

8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong

: 2695 8318

Fax: 2695 3944

E-mail : etl@ets-testconsult.com Web site : www.ets-testconsult.com

TEST REPORT

### Calibration Report

of

### High Volume Air Sampler

Manufacturer

Greasby GMW

Date of Calibration

15 March 2005

Serial No.

7179 (ET / EA / 003 / 16)

Calibration Due Date

14 May 2005

Method

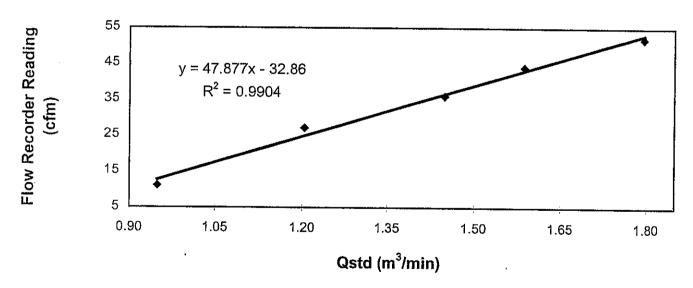
Based on Operations Manual for Graseby Model GS2310 series using calibration

kit TE-5025A

Resuits

Flow recorder re	eading (cfm)	52	44	36	27	11
Qstd (Actual flov	v rate, m³/min)	1.79	1.59	1.45	1.20	0.95
Pressure :	763.56 , mm Hg		Temp. :	287	K	·····

Sampler 7179 Calibration Curve Site: Pak Shek Kok (AM3A) Date of Calibration: 15 March 2005



Acceptance Criteria:

Correlation coefficient (r) of the calibration curve greater than 0.990 after

a 5 point calibration

The high volume sampler complies \* / does not comply \* with the specified requirements and is deeme acceptable \*/ unacceptable-\* for use.

Calibrated by:

Felix Tin (Technician) Approved by



### 東 業 德 勤 測 試 顧 問 有 限 公 司 ETS-TESTCONSULT LIMITED

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Tel: 2695 8318 Fax: 2695 3944 E-mail : etl@ets-testconsult.com

Web site : www.ets-testconsult.com

### TEST REPORT

# Calibration Report of High Volume Air Sampler

Manufacturer

Greasby GMW

Date of Calibration

14 May 2005

Serial No.

7179 (ET / EA / 003 / 16 )

Calibration Due Date :

13 July 2005

Method

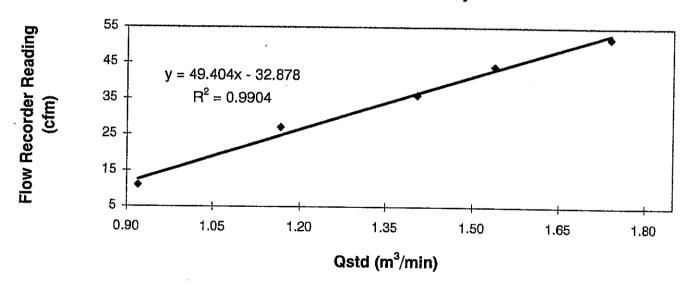
Based on Operations Manual for Graseby Model GS2310 series using calibration

kit TE-5025A

Results

Flow recorder r	eading (cfm)	52	44	36	27	11
Ostd (Actual fle	ow rate, m³/min)	1.74	1.54	1.40	1.17	0.92
Pressure:	754.56 mm Hg		Temp. :	302	K	·

### Sampler 7179 Calibration Curve Site: Pak Shek Kok (AM3A) Date of Calibration: 14 May 2005



Acceptance Criteria:

Correlation coefficient (r) of the calibration curve greater than 0.990 after

a 5 point calibration

The high volume sampler complies \* / does not comply \* with the specified requirements and is deemed acceptable \*/ unacceptable \* for use.

Calibrated by:

Peter Leung (Technician) Approved by

H. T. Chow



### 東業德勤測試顧問有限公司 ETS-TESTCONSULT LIMITED

8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong

Tel : 2695 8318

E-mail : etl@ets-testconsult.com

Fax : 2695 3944 Web site : www.ets-testconsult.com

### TEST REPORT

### Calibration Report of

## High Volume Air Sampler

Manufacturer

Greasby GMW

Date of Calibration

23 April 2005

Serial No.

1172 (ET/EA/003/11)

Calibration Due Date

22 June 2005

Method

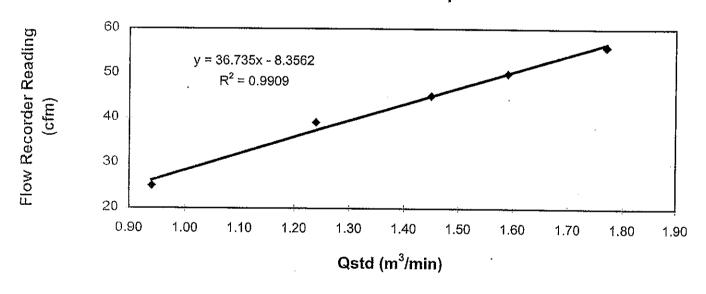
Based on Operations Manual for Graseby Model GS2310 series using calibration

kit TE-5025A

Results

Flow recorder re	ading (cfm)	56	50	45	39	25
Qstd (Actual flow	v rate, m³/min)	1.77	1.59	1.45	1.24	0.94
Pressure :	758.31 mm Hg		Temp. :	297	К	

### Sampler 1172 Calibration Curve Site: Pak Shek Kok (AM5) Date of Calibration: 23 April 2005



Acceptance Criteria:

Correlation coefficient (r) of the calibration curve greater than 0.990 after

a 5 point calibration

The high volume sampler complies \* / does not comply \* with the specified requirements and is deeme acceptable \*/ unacceptable \* for use.

Calibrated by :

Felix Tin (Technician)

Approved by

inda Law

(Environmental Officer)



# Appendix B2 Air Quality Monitoring Results



# Summary of 24-hr TSP Monitoring Results

Monitoring Station Location

: AM1 : HKIB Staff Accommodation

Veather	ondition	Cloudy	Cloudy	Sunny	Sloudy	Rainy	Cloudy	Sunny
		)				-		
Š	(mg/m <sub>3</sub> )	4.	44	69	46	43	34	42
Filter Weight (g)	Final	2.9878	2.9714	3.0279	2.9893	2.9552	2.9539	2.9336
Filter V	Initial	2,9008	2.8912	2.8982	2.9028	2.8936	2.8883	2.8583
Average	(m³/min.)	1.49	1.25	1.31	1.31	1.31	1.34	1.24
Flow Rate (m³/min.)	Final	1.49	1.25	1.31	1.31	1.31	1.34	1.24
Flow Rate	Initial	1.49	1.25	1.31	1.31	1.31	1.34	1.24
Sampling	Time (hrs)	23.96	24.16	23.99	23.77	24.07	24.09	23.93
Time	Final	8333.53	8381.26	8429.15	8476.06	8524.18	8572.29	8620.12
Elapse Time	Initial	8309.57	8357.10	8405.16	8452.29	8500.11	8548.20	8596.19
پي	Time	17:16	10:52	08:34	14:54	09:29	13:15	09:11
Finish	Date	26/04/05	01/05/05	07/05/05	13/05/05	19/05/05	25/05/05	31/05/05
	Time	17:18	10:42	08:35	15:08	09:55	13:10	09:15
Start	Date	25/04/05	30/04/05	06/05/05	12/05/05	18/05/05	24/05/05	30/02/05

Monitoring Station Location

: AM3A : Cheung Shue Tan (in front of Man Kee Store)

Weather	Condition	Cloudy	Cloudy	Sunny	Cloudy	Rainy	Cloudy	Sunny
Conc.	(mg/m <sub>3</sub> )	32	22	46	33	40	31	35
ight (g)	Final	2.9517	2.9436	3.0037	2.9679	2.9368	2.9399	2.9232
Filter Weight (g)	Initial	2.8829	2.8939	2.9123	2.9031	2.8562	2.8737	2.8528
Average	(m³/min.)	1.49	1.49	1.37	1.37	1.37	1.45	1.39
, (m³/min.)	Final	1.49	1.49	1.37	1.37	1.37	1.45	1.39
Flow Rate (m³/min.)	Initial	1.49	1.49	1.37	1.37	1.37	1.45	1.39
Sampling	Time (hrs)	24.26	24.71	24.35	24.21	24.52	24.29	23.96
Time	Final	13668.42	13717.25	16765.86	13813.85	13862.85	13911.08	13959.45
Elapse Time	Initial	13644.16	13692.54	13741.51	13789.64	13838.33	13886.79	13935.49
J ys	Time	17:02	13:45	10:16	10:07	65:60	10:56	09:50
Finish	Date	26/04/05	01/05/05	07/05/05	13/05/05	19/05/05	25/05/05	31/05/05
	Time	16:45	13:02	09:55	09:54	09:58	10:39	09:22
Start	Date	25/04/05	30/04/05	06/05/05	12/05/05	18/05/05	24/05/05	30/02/02

Monitoring Station Location

: AM3A : Cheung Shue Tan (in front of Man Kee Store)

Weather	Condition	Cloudy	Cloudy		Cloudy	Rainy	Cloudy	Sunny
Conc.	(mg/m³)	27	56		28	51	34	32
Filter Weight (g)	Einal 2.9443 2.9385	2.9902	2.9916	2.9415	2.9232			
Filter We	Initial	2,8856	2,8869	r supply	2.9079	2.9004	2.8855	2.8703
Average	(m³/min.)	1.48	1.37	tion of power	1.26	1.26	1.15	1.12
Flow Rate (m³/min.)	Final	1.48	1.37	e disconnec	1.26	1.26	1.15	1.12
Flow Rate	Initial	1.48	1.37	led due to th	1.26	1.26	1.15	1.12
Sampling	Time (hrs)	24.05	24.17	The monitoring was cancelled due to the disconnection of power supply	24.02	23.65	24.17	24.44
Time	Final	3876.34	3900.54	The monitoring	3924.56	3948.21	3972.39	3996.83
Elapse Time	Initial	3852.29	3876.34		3900.54	3924.56	3948.22	3972.39
ř	Time	17:08	14:32		15:31	09:17	14:32	09:21
Finish	Date	26/04/05	01/05/05		13/05/05	19/05/05	25/05/05	31/05/05
L	Time	17:05	14:22		15:30	98:60	14:22	08:55
Start	Date	25/04/05	30/04/05	06/05/05	12/05/05	18/05/05	24/05/05	30/02/02



# Summary of 1-hr TSP Monitoring Results

Monitoring Station : AM1 (HKIB Staff Accommodation)

Data	Monitoring Po	Monitoring Period		1-hr TSP (µg/m³)		Meather
Calc	Start	Finish	Minimum	Maximum	Average	Medille
26/04/05	15:10	16:10	104	688	186	Cloudy
28/04/05	10:02	11:02	106	868	167	Cloudy
30/04/05	10:40	11:40	86	380	170	Cloudy
90/90/80	09:45	10:45	106	405	198	Cloudy
50/90/90	08:30	06:30	124	410	179	Cloudy
20/20/20	14:08	15:08	86	447	128	Cloudy
10/05/05	13:00	14:00	79	351	117	Cloudy
12/05/05	15:02	16:02	83	698	126	Cloudy
14/05/05	09:45	10:45	89	385	140	Cloudy
17/05/05	09:30	10:30	114	402	185	Cloudy
19/05/05	11:00	12:00	89	384	116	Cloudy
21/05/05	00:60	10:00	98	390	135	Sunny
24/05/05	13:00	14:00	94	395	137	Cloudy
26/05/05	09:15	10:15	92	6/8	107	Cloudy
28/05/05	11:00	12:00	93	868	136	Cloudy
31/05/05	11:00	12:00	89	1 222	134	Cloudy

Monitoring Station : AM3 - Cheung Shue Tan Village (near the outer building, a temple)

Date	Monitori	Monitoring Period		1-hr TSP (μg/m³)		Weather
	Start	Finish	Minimum	Maximum	Average	
26/04/05	10:18	11:18	89	340	128	Cloudy
28/04/05	16:32	17:32	87	332	120	Cloudy
30/04/05	13:00	14:00	28	330	153	Cloudy
03/05/05	11:00	12:00	101	340	167	Cloudy
05/05/05	13:00	14:00	97	345	142	Cloudy
07/05/05	08:30	08:30	80	202	91	Cloudy
10/05/05	09:55	10:55	72	309	105	Cloudy
12/05/05	09:20	10:50	92	301	105	Cloudy
14/05/05	11:00	12:00	72	330	126	Cloudy
17/05/05	13:15	14:15	82	350	120	Cloudy
19/05/05	08:00	00:60	73	363	96	Cloudy
21/05/05	14:20	15:20	06	376	97	Sunny
24/05/05	10:30	11:30	89	387	92	Cloudy
26/05/05	10:30	11:30	72	330	98	Cloudy
28/05/05	13:00	14:00	88	356	95	Cloudy
31/05/05	06:30	10:30	80	306	86	Cloudy

# Summary of 1-hr TSP Monitoring Results

Monitoring Station : AM8 - Near Wen Vhih Tand at the CUHK

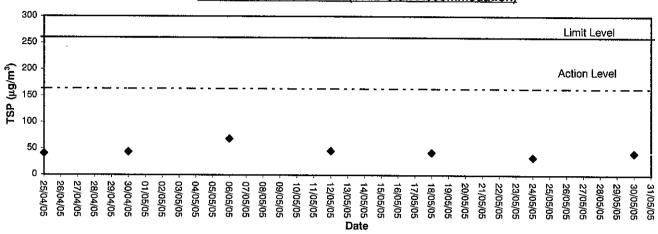
•						
Date	Monitoring P	ig Period		1-hr TSP (µg/m³)		Weather
	Start	Finish	Minimum	Maximum	Average	
26/04/05	18:00	19:00	90	328	121	Cloudy
28/04/05	17:48	18:48	89	306	112	Cloudy
30/04/05	14:20	15:20	69	310	130	Cloudy
03/02/02	15:45	16:45	86	325	147	Cloudy
92/02/02	14:15	15:15	06	330	147	Cloudy
07/05/05	09:20	10:50	91	330	117	Cloudy
10/05/05	16:20	17:20	75	321	107	Cloudy
12/05/05	11:00	12:00	74	312	112	Cloudy
14/05/05	13:00	14:00	69	321	124	Cloudy
17/05/05	14:30	15:30	69	327	86	Cloudy
19/05/05	13:00	14:00	20	349	66	Cloudy
21/05/05	13:00	14:00	26	396	66	Sunny
24/05/05	14:20	15:20	98	374	06	Cloudy
26/05/05	14:00	15:00	65	325	95	Cloudy
28/05/05	14:15	15:15	90	366	105	Cloudy
31/05/05	14:40	15:40	81	312	36	Cloudy
	The state of the s					



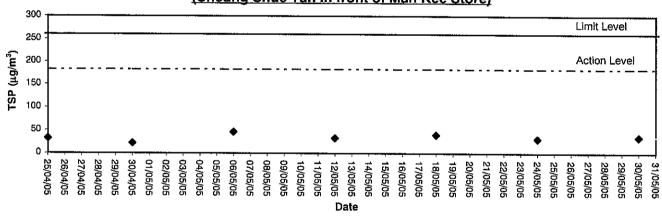
# Appendix B3 Graphical Plots of Air Quality Monitoring Data



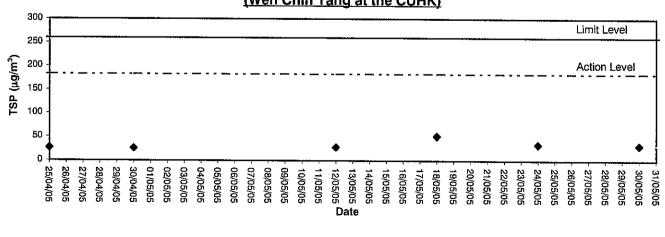




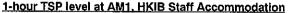
### 24-hour TSP level at AM3A (Cheung Shue Tan in front of Man Kee Store)

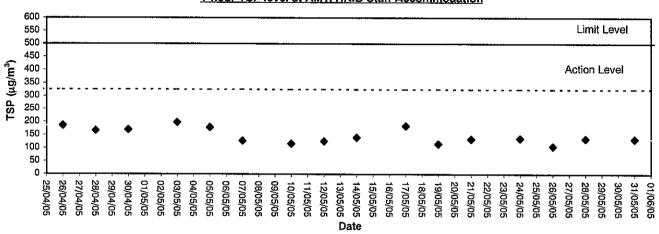


# 24-hour TSP level at AM5 (Wen Chih Tang at the CUHK)

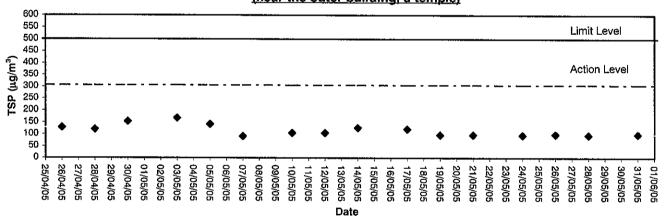




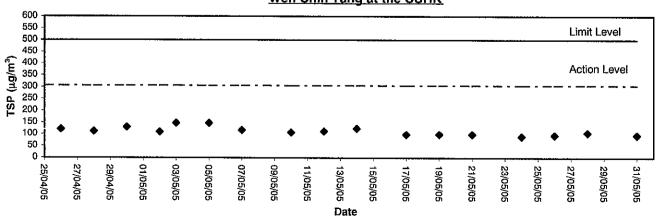




# 1-hour TSP level at AM3, Cheung Shue Tan Village (near the outer building, a temple)



# 1-hour TSP level at AM5 Wen Chih Tang at the CUHK





## Appendix C1

Calibration Certificates for Noise Monitoring Equipments



Certificate No.

51472

Page

3 Pages

Customer: ETS-Testconsult Limited

Address: 8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan St., Fotan, Hong Kong.

Order No.: Q50535

Date of receipt

7-Apr-05

Item Tested

**Description**: Precision Integrating Sound Level Meter

Manufacturer: Rion

Model

: NL-31

Serial No.

: 00531142

**Test Conditions** 

Date of Test: 20-Apr-05

Ambient Temperature:

Supply Voltage

(22.5 ± 2.5)°C

Relative Humidity:  $(50 \pm 20)$  %

**Test Specifications** 

Calibration check according to customer's requirement.

Calibration procedure:

Z01.

#### **Test Results**

All results were within the manufacturer's, IEC 651 Type 1, IEC 804 Type 1 specification. The results are shown in the attached page(s).

Test equipment used:.

Equipment No.

Cert. No.

Due Date

Traceable to

S017

C051022

21-Mar-06

PRC-NIM

S024

S41431

22-May-05

PRC-NIM

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI). The test results apply to the above Unit-Under-Test only

Calibrated by :

Alan Chu - Manager

This Certificate is issued by:

Hong Kong Calibration Ltd.

Date:

20-Apr-05

Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong. Tel: 2425 8801 Fax: 2425 8646



Certificate No. 51472

Page 2 of 3 Pages

Results:

### 1. SPL Accuracy

U	UT Setting			
Level Range (dB)	Weight	Response	UUT Reading (dB)	Correction (dB)
20 – 100	$L_{A}$	Fast	94.0	+ 0.1
		Slow	]	+ 0.1
	$L_{C}$	Fast		0.0
	Lp	Fast		0.0
30 – 120	$L_A$	Fast	94.0	+ 0.1
		Slow		+ 0.1
	L <sub>C</sub>	Fast	j	+ 0.1
	Lp	Fast		+ 0.1
30 – 120	$L_{A}$	Fast	114.0	+ 0.1
	<u> </u>	Slow		+ 0.1
	$L_{C}$	Fast		0.0
	Lp	Fast		0.0

IEC 651 Type 1 Spec. : ± 0.7 dB

Uncertainty: ± 0.2 dB

2. Level Stability: 0.0 dB

IEC 651 Type 1 Spec. : ± 0.3 dB

Uncertainty: ± 0.01 dB



Certificate No. 51472

Page 3 of 3 Pages

### 3. Frequency Weighting

A weighting

Frequency	Attenuation (dB)	IEC 651 Type 1 Spec.
31.5 Hz	- 39.6	- 39.4 dB, ± 1.5 dB
63 Hz	- 26.2	- 26.2 dB, ± 1.5 dB
125 Hz	- 16.2	- 16.1 dB, ± 1 dB
250 Hz	- 8.7	- 8.6 dB, ± 1 dB
500 Hz	- 3.2	- 3.2 dB, ± 1 dB
1 kHz	0.0 (Ref.)	0 dB, ± 1 dB
2 kHz	+ 1.3	+ 1.2 dB, ± 1 dB
5 kHz	+ 1.1	+ 1.0 dB ,± 1 dB
8 kHz	- 1.1	- 1.1 dB, + 1.5 dB ~ - 3 dB
16 kHz	- 6.7	- 6.6 dB, +3 dB ~-∞

Uncertainty: ± 0.1 dB

### 4. Time Averaging

Applied Burst duty Factor	UUT Reading (dB)	Correction (dB)	IEC 804 Type 1 Spec.
continuous	40.0		1220 00 : 13pc 1 spec.
1/10	39.9	+ 0.1	± 0.5 dB
1/10 <sup>2</sup>	39.9	+ 0.1	_ ± 0.5 qb
1/10 <sup>3</sup>	39.9	+ 0.1	± 1.0 dB
1/104	39.8	+ 0.2	1.0 db

Uncertainty: ± 0.1 dB

Remark: 1. UUT: Unit-Under-Test

- 2. True Value = UUT Reading + Correction.
- 3. The uncertainty claimed is for a confidence probability of not less than 95%.

4. Atmospheric Pressure: 1 000 hPa.

----- END -----



Certificate No. 51473

Page of 2 Pages

Customer: ETS-Testconsult Limited

Address: 8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan St., Fotan, Hong Kong.

Order No.: Q50535

Date of receipt

7-Apr-05

**Item Tested** 

Description : Sound Level Calibrator (Eqip No.: ET/0527/004)

Manufacturer: Rion

Model

: NC-73

Serial No.

: 10196943

**Test Conditions** 

Date of Test:

20-Apr-05

Supply Voltage : --

Ambient Temperature:

 $(22.5 \pm 2.5)^{\circ}$ C

Relative Humidity: (50 ± 20) %

Test Specifications

Calibration check according to customer's requirement.

Calibration procedure:

F21, Z02.

#### **Test Results**

All results were within the manufacturer's specification.

The results are shown in the attached page(s).

Test equipment used:

Equipment No.	Cert. No.	<u>Due Date</u>	Traceable to
S014	43147	7-Jul-05	PRC-NIM
S024	S41431	22-May-05	PRC-NIM
S041	43734	12-Aug-05	PRC-NIM

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI). The test results apply to the above Unit-Under-Test only

Calibrated by

This Certificate is issued by: Hong Kong Calibration Ltd.

Date: 20-Apr-05

Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong. Tel: 2425 8801 Fax: 2425 8646



Certificate No. 51473

Page 2 of 2 Pages

Results:

### 1. Level Accuracy (at 1 kHz)

UUT Nominal Value	Measured Value	Mfr's Spec.
94 dB	94.1 dB	± 1 dB

Uncertainty: ± 0.2 dB

#### 2. Frequency Accuracy

UUT Nominal Value	Measured Value	Mfr's Spec.
1 kHz	0.991 kHz	±2%

Uncertainty: ± 0.1 %

3. Level Stability: 0.0 dB Uncertainty: ± 0.01 dB

4. Total Harmonic Distortion : < 0.3 %

Mfr's Spec. : < 3 %

Uncertainty:  $\pm 2.3$  % of reading

Remark: 1. UUT: Unit-Under-Test

- 2. The uncertainty claimed is for a confidence probability of not less than 95%.
- 3. Atmospheric Pressure: 1 000 hPa
- 4. The above measured values are the mean of 3 measurement.

----- END -----



# Appendix C2 Noise Monitoring Results



## **Day-time Noise Monitoring**

### Monitoring Location: NM1 (HKIB Staff Accommodation)

Date	Start Sampling Time	Nois	e Level dE	3 (A)	Wind	Weather
	(hh:mm)	L <sub>eq(30min)</sub>	L10	L90	Speed (m/s)	Condition
28/04/05	10:03	60.0	61.3	55.1	1.2	Cloudy
05/05/05	08:32	59.3	61.2	55.8	1.0	Cloudy
12/05/05	13:03	58.0	61.0	54.5	0.7	Cloudy
19/05/05	11:06	58.4	60.3	55.9	1.0	Cloudy
26/05/05	09:17	58.0	60.3	55.3	0.8	Cloudy

### Monitoring Location: NM2 (CUHK Residence No.10)

Date	Start Sampling Time	Nois	e Level dE	B (A)	Wind	Weather
	(hh:mm)	L <sub>eq(30min)</sub>	L10	L90	Speed (m/s)	Condition
28/04/05	10:45	57.6	59.0	52.4	1.1	Cloudy
05/05/05	14:27	54.7	56.8	51.5	0.7	Cloudy
12/05/05	16:12	54.7	57.1	50.9	0.5	Cloudy
19/05/05	16:15	55.0	56.5	49.9	0.6	Cloudy
26/05/05	15:10	54.3	56.6	50.3	0.6	Cloudy

### Mon Monitoring Location: NM3 (Cheung Shue Tan Village)

Date	Start Sampling Time	Nois	e Level dE	3 (A)	Wind	Weather
	(hh:mm)	L <sub>eq(30min)</sub>	L10	L90	Speed (m/s)	Condition
28/04/05	16:35	56.1	57.5	50.5	0.9	Cloudy
05/05/05	13:02	53.0	54.8	49.2	1.0	Cloudy
12/05/05	09:50	53.0	55.1	49.1	0.5	Cloudy
19/05/05	08:02	53.1	55.2	49.2	0.6	Cloudy
26/05/05	10:32	53.2	55.3	49.0	0.6	Cloudy

### Monitoring Location: NM8 (Near Wen Chih Tang at the CUHK)

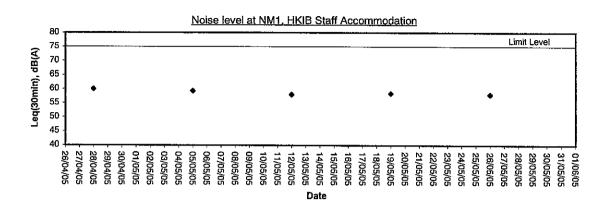
Date	Start Sampling Time	Nois	e Level dE	3 (A)	Wind	Weather
	(hh:mm)	L <sub>eq(30min)</sub>	L10	L90	Speed (m/s)	Condition
28/04/05	11:30	57.6	58.7	50.6	1.3	Cloudy
05/05/05	14:17	51.9	54.0	48.3	0.9	Cloudy
12/05/05	11:03	52.5	54.5	48.8	0.7	Cloudy
19/05/05	13:05	52.4	54.8	48.3	0.6	Cloudy
26/05/05	14:02	53.9	56.2	49.7	0.6	Cloudy

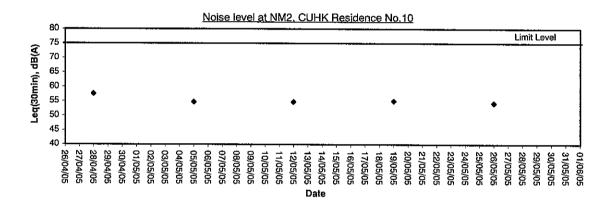


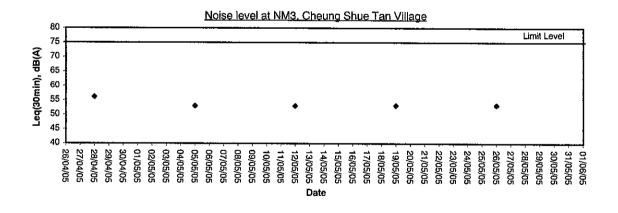
# Appendix C3 Graphical Plots of Noise Monitoring Data

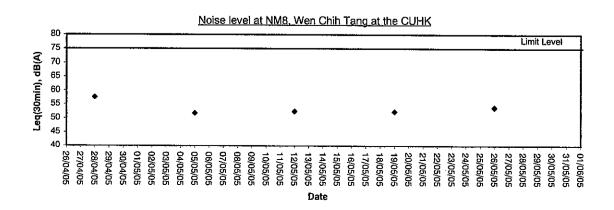


## **Noise Monitoring (Day-time)**











# Appendix D Weather Condition



## **Weather Condition**

25/04/05         3.5         25.5         23.7         91         E         45           26/04/05         Trace         25.1         22.7         89         E         45           27/04/05         3.1         22.9         21.2         92         NE         45           28/04/05         0.2         28.2         22.2         85         NE         45           29/04/05         2.4         28.8         25.9         83         S         45           30/04/05         0.7         29.2         26.3         82         S         45           01/05/05         Trace         28.5         27.0         82         S         45           02/05/05         Trace         29.6         27.1         80         S         45           03/05/05         -         30.6         26.7         79         S         45           05/05/05         -         29.9         27.0         77         S         45           05/05/05         -         29.9         27.0         77         S         45           05/05/05         22.6         28.2         22.0         75         SW         45	Date	Rainfall (mm)	Max. Temp	Min. Temp.	Relative Humidity (%)	Wind Direction	Wind Speed
26/04/05         Trace         25.1         22.7         89         E         45           27/04/05         3.1         22.9         21.2         92         NE         45           28/04/05         0.2         28.2         22.2         85         NE         45           29/04/05         2.4         28.8         25.9         83         \$         45           30/04/05         0.7         29.2         26.3         82         \$         45           01/05/05         Trace         28.5         27.0         82         \$         45           02/05/05         Trace         29.6         27.1         80         \$         45           02/05/05         Trace         29.6         27.1         80         \$         45           04/05/05         Trace         29.7         26.4         80         \$         45           05/05/05         Trace         29.7         26.4         80         \$         45           05/05/05         Trace         29.7         26.4         80         \$         45           07/05/05         Trace         29.7         26.4         80         \$         45 <td>25/04/05</td> <td>` '</td> <td></td> <td></td> <td><u> </u></td> <td></td> <td></td>	25/04/05	` '			<u> </u>		
27/04/05         3.1         22.9         21.2         92         NE         <5			ļ				
28/04/05         0.2         28.2         22.2         85         NE         <5			ļ				
29/04/05         2.4         28.8         25.9         83         S         <5							
30/04/05							
01/05/05         Trace         28.5         27.0         82         S         <5           02/05/05         Trace         29.6         27.1         80         S         <5							
02/05/05         Trace         29.6         27.1         80         S         <5	<u> </u>						
03/05/05         -         30.6         26.7         79         S         <5			<del> </del>				
04/05/05         Trace         29.7         26.4         80         S         <5           05/05/05         -         29.9         27.0         77         S         <5	<del></del>				ļ		
05/05/05         -         29.9         27.0         77         S         <5		Trace					ļ
06/05/05         22.6         28.2         22.0         75         SW         <5		-	<del></del>				
07/05/05         Trace         27.4         24.4         77         E         <5           08/05/05         37.1         29.2         24.2         93         E         <5		22.6		· · · · · · · · · · · · · · · · · · ·	<del></del>		
08/05/05         37.1         29.2         24.2         93         E         <5							
09/05/05         67.5         27.4         22.2         91         SW         <5	ļ	<del> </del>					
10/05/05         87.9         26.0         23.2         94         E         <5	·		·				
11/05/05         0.2         24.7         23.2         94         E         <5				·			ļ
12/05/05         Trace         29.8         24.5         88         S         <5	ļ <del>.</del>						
13/05/05         -         30.1         27.9         91         SW         <5							
14/05/05         Trace         30.5         28.2         79         SE         <5		-		····			
15/05/05         5.5         30.5         28.3         81         S         <5		Trace	ļ <u>.</u>				
16/05/05         9.6         30.7         25.6         84         S         <5			ļ				
17/05/05         6.5         30.6         25.2         79         SW         <5		9.6	<del></del>				<del></del>
18/05/05         47.2         32.2         25.3         81         SW         <5	17/05/05	6.5	30.6		79		
19/05/05         16.4         27.9         25.0         92         E         <5	18/05/05	47.2	32.2		<u> </u>		<del> </del>
20/05/05         38.1         27.5         24.9         93         E         <5	19/05/05	16.4	27.9	25.0	92		_
22/05/05         Trace         32.6         24.2         75         SW         <5	20/05/05	38.1	27.5	24.9	93	Ë	<5
23/05/05       8.5       30.1       24.8       83       S       <5	21/05/05	0.4	28.7	24.9	88	SE	<5
24/05/05       44.7       28.7       24.3       88       SW       <5	22/05/05	Trace	32.6	24.2	75	SW	<5
25/05/05         Trace         27.4         24.5         87         E         <5	23/05/05	8.5	30.1	24.8	83	S	<5
26/05/05       30.5       26.5       24.5       94       E       <5	24/05/05	44.7	28.7	24.3	88	SW	<5
27/05/05         85.6         28.7         24.5         92         E         <5	25/05/05	Trace	27.4	24.5	87	Е	<5
28/05/05     0.3     28.5     24.4     89     E     <5	26/05/05	30.5	26.5	24.5	94	E	<5
29/05/05         Trace         26.7         22.4         82         E         <5           30/05/05         Trace         28.8         21.9         77         E         <5	27/05/05	85.6	28.7	24.5	92	E	<5
30/05/05 Trace 28.8 21.9 77 E <5	28/05/05	0.3	28.5	24.4	89	E	<5
	29/05/05	Trace	26.7	22.4	82	E	<5
	30/05/05	Trace	28.8	21.9	77	E	<5
31/05/05 Trace 29.3 23.6 83 E <5	31/05/05	Trace	29.3	23.6	83	E	<5

Remark: Data of wind speed and wind direction were extracted from Hong Kong Observatory (Shatin Station).



# Appendix E Event-Action Plans

		) V	ACTION	
	A PARTICIPATION OF THE PARTICI	AC	TION	The state of the s
EVENT	ET Leader	IC(E)	ER	CNOTRACTOR
Action Level	1 Daniel Common of the Common	Though many	1 Nosifer Contractor	1 Dorifte any unaccentable practice
1. Exceedance of		1. Check monitoring data submitted by E1	1. INOUITY COMMENCION	1. Nectify any unacceptable practice
one sample	•	<ol><li>Check Contractor's working method.</li></ol>		<ol><li>Amend working memods it possible</li></ol>
	<ol><li>Repeat measurement to confirm finding</li></ol>			
	<ol> <li>Increase monitoring frequency to daily</li> </ol>			
2. Exceedance for	1. Identify source	1. Checking monitoring data submitted by	<ol> <li>Confirm receipt of notification of failure</li> </ol>	<ol> <li>Submit proposals for remedial action to</li> </ol>
two			in writing	IC(E) within 3 working days of
consecutive	-			notification
samples		i mi	3. Ensure remedial measures properly	2. Implement the agreed proposals
I I				3. Amend proposal if possible
		A Advise the ED on the effectiveness of the		
	o. II exceedance community, arrange			
		<ol><li>Supervisor implementation of remedial</li></ol>		
	<ol><li>If exceedance stops, cease additional</li></ol>	measures		
	monitoring			
Limit Level	•			
1. Exceedance of	1. Identify source	1. Check monitoring data submitted by ET	1. Confirm receipt of notification of failure	1. Take immediate action to avoid further
one sample		Check Contracts		
our sample				2 Submit proposal for remedial actions to
		Liscuss with L.	2. December community	
	4. Increase monitoring frequency to daily			IC(E) WIIIIII 3 WOINING GAYS UI
		<ol><li>Advise the ER on the effectiveness of the</li></ol>	implemented	
	remedial actions and keep IC(E), EPD	proposal remedial measures		<ol><li>Implement the agreed proposals</li></ol>
	and ER informed of the results	5. Supervisor implementation of remedial		<ol><li>Amend proposal if appropriate</li></ol>
		measures		
2, Exceedance for	1. Notify IC(E), ER, Contractor and EPD	<ol> <li>Discuss amongst ER, ET, and Contractor</li> </ol>	<ol> <li>Confirm receipt of notification of failure</li> </ol>	<ol> <li>Take immediate action to avoid further</li> </ol>
two or more	<ol><li>Identify source</li></ol>	on potential remedial actions	in writing	exceedance
consecutive	3. Repeat measurement to confirm findings	2. Review Contractor's remedial actions	<ol><li>Notify Contractor</li></ol>	<ol><li>Submit proposals for remedial actions to</li></ol>
samples		whenever necessary to assure their	3. In consultation with the IC(E), agreed	IC(E) within 3 working days of
1	5 Carry out analysis of Contractor's	effectiveness and advise the ER	٠	notification
		accordingty	measures to be implemented	
	nossible mitigation to be implemented	3 Supervise the implementation of remedial	4 Fusing remedial measures properly	4. Resubmit proposals if possible still not
	A Arrange meeting with IC(F) and FR to			
			5. If exceedance continues, consider what	5. Stop the relevant portion of works as
	7. Assess effectiveness of Contractor's			determined by the ER until the
			instruct the Contract to stop that portion	exceedance if abated.
	and ER to discuss the remedial action to		of work until the exceedance is abated.	
	taken			
	9 If exceedance ctone general difficual			
	Simonioni			

Event / Acti	ion P	Event / Action Plan for Construction Noise			
			AC	ACTION	
EVENT	E	ET Leader	IC(E)	ER	CNOTRACTOR
Action Level	: 9 k, 4, 10,	Notify IC(E) and Contractor Carry out investigation Report the results of investigation to the IC(E) and Contractor Discuss with the Contractor and formulate remedial measures Increase monitoring frequency to check mitigation effectiveness	<ol> <li>Review the analyzed results submitted by the ET</li> <li>Review the proposed remedial measures by the Contractor 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 Contractor</li> <li>Require Contractor to propose remedial measures for the analyzed noise problem</li> <li>Ensure remedial measures are properly implemented</li> </ol>	<ol> <li>Submit noise mitigation proposal to IC(E)</li> <li>Implement noise mitigation proposals</li> </ol>
Limit Level	1. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	Notify IC(E), ER, and Contractor Identify source Repeat measurement to confirm findings Increase monitoring frequency Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented Inform IC(E), ER and EPD the causes & action taken for the exceedances Assess effectiveness of Contractor's remedial action and keep IC(E), EPD and ER informed to the results If exceedance stops, cease additional monitoring	Discuss amongst ER, ET and Contractor on the potential remedial actions     Review Contractor's remedial actions whenever necessary to assure their effectiveness and advice the ER accordingly     Supervise the implementation of remedial measures	<ol> <li>Confirm receipt of notification of failure in writing</li> <li>Notify Contractor</li> <li>Require 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 protion of the work is responsible and instruct the Contractor to stop that portion 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 portion of works as determined by the ER until the exceedance is abated</li> </ol>



# Appendix F Construction Programme

Act ID Protect Commencement	Description	Orig Total Percent Dur Float Complete	tal Perce at Comp	Early Start	Early La Finish Sta	Late Late Start Finish	Z004 MJJASONDJ	2005 2006 2006 2006 2007 2006 2007 2007 2009 2 2007 2 2009 2 2009 2 2009 2 2009 2 2009 2 2009 2 2009 2 2009 2 2
		The State of			ALTERNATION TO A TO			
PC0100	Confract Award	0	_	100 forUND4 A	10JUN04 A	04 A	O Contract Award	
PC0200	Project Commencement Data	0		100 29JUN04 A	29JUN04 A	04 A	♦ ♦ Project Commencement Date	
Possession vate	te e e e e e e e e e e e e e e e e e e							
P50100	Zone ZA1, ZAZ 8 ZU2	0		100 29JUND4 A	29JUND4 A	74 A	Q Zone 2A1, 2A2 & 2U2	
PD0200	Zane ZC, 2D, 2J5, ZS1, ZU & ZU1	0		106 29JUN04 A	29JUND4 A	04.A	♦ 25 20 20,246,21,251,2U & 2U1	
PD0210	Parl of Zone ZJ, 2K, ZLJ, 2R & ZS	0		100 29JUN04 A	29JUN04 A	D6 A	◆ Part of Zone 2J, 2K, 2L1, 2R & 28	
PD0220	Remaining of Zone 2.1	0		100 24SEP04 A	24SEP04 A	04 A	☼ Remaining of Zone 2	
P00230	Remaining 2R, 2R I & 2S	0		100 278EP04 A	27SEP04 A	DAA	♦ Remaining 2R,2R1 & 29	52
PD0300	Zone ZG2, ZJ2 & ZY	0		100 27SEP04 A	27SEP04 A	04 A	♦ Zone ZG2, ZJ2 & ZY	
PD3310	Peri of Zone ZY & ZK	0		100 14AUG04 A	14AUGB4 A	D¢ A	♦ Part of Zone ZY & ZK	
02£0Ge	Pert of Zone ZK	0		100 06DEC04 A	DEDECO4 A	04 A	Pert of Zone ZK	SZ S
PD0330	Remaining of Zone ZK	0	_	100 08DEC04 A	08DEC04 A	04 A		♦ Remarking of Zone 2X
PD0400	Zone 28. ZE & ZF	0	18d	0 13AUG05*	31AUG05	90		\$ Zone ZB, ZE & ZF
PD0500	Zone ZG & ZG3	6	P06	0 25APR05	2410105	g.		S S S S S S S S S S S S S S S S S S S
PD6600	Part of Zone 2G1	0		100 21JAN05 A	21JAN05 A	15.A		♦ Part of Zone Z31
PD0610	Zone ZU3	В	ļ	100 040CT04 A	040CT04 A	74 A	Szone ZU3	
PD0700	Z 9u2	0		100 DZNOV04 A	02NOV04 A	NA.	⇔ Zona ZP	
P50710	Pert of Zone 2H	0		100 17SEP04 A	17SEP04 A	Z A A	♦ Part of Zone 2H	5
PD0720	Remaining of Zone ZH	P#98 0	P	0 24FEB05*	26DEC07	7.0		♦ Romaining of Zone ZH
PD0800	Zone ZJ1 & ZJ5	D 1190	B	0 168AAR05 *	13JUL05	ED.		\$17.2 a 14.2 ano 2.♦
PD0810	Part of Zone Zill	0		100 29JUN04 A	29JUND4 A	¥ 2	♦ Part of Zone ZM	
PD0820	Remaining of Zone ZM	0 8474	2	0 16MAR05*	26DEC07	10		♦ Remelning of Zone ZM
PC0900	Zone 2J3 & 2J4	0		100 GENOVO4 A	DENOVO\$ A	74 A	PYZ 9 E/Z auoZ 🛇	3
PD1000	Z12 auo2	96 0	950	0 20APR05 *	24 JULUS	2	,	♦ Zone 21.2
PD1100	Zona ZO & ZO1	0		100 29JUL04 A	29JUL04 A	4 4	Ø Zens 20 8 201	
P.D: 200	Zone ZT, ZT: & ZT3	PZ6 0	P2	0 19FEB06 *	22MAY06	96	,	♦ 22mo 77, 271 & 273
PD1300	Zone ZT2	P06 0	20	0 2 tNDV05 *	19FEB06	و ا		\$ 212 days \$ \$
PD1400 Dec	Demotish Existing Orampipe In Zone ZY	0 884	Jq.	0 01JUN05	14SEP05	ę,		♦ Demoish Existing Diskrippe in Zone ZY
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CD9100	Section \$	0 34d	ō	1430	14JUN05	18.101.06		
CD0200	Section 2	0 184	70		0705008	25DEC06 *		i contrado 🔷
CD0300	Section 3	D16	20	0 24NC	24NOV06	25DEC06 *		Section 1
CO0400	Section 4	PB: 0	<u> </u>	0 070	07DEC06	25DEC06 *		SS-ripe 4
CD0500	Section 5	-	0	2500	210CT05	210CT05 *		♦ Section 5
CD0609	Section 6	39	39	0 29301.05	SO I	2370105		♦ Serction 6
CD0700	Section 7	DE1- 0	3	0 031/17	O3MAR06	18FEB06 *		
002002	Section 8	0 554	9	1156	11SEP06	- 90AOA50		♦ ♦ Section 8
0,0000	Section 9	0 1374	P	1041	10AUG06	25DEC06.		\$ \$ Section 9
001000	Section 10	0 944	9		506	25DEC08 •		Sertion 10
CD1100	Section 11	0 64d	÷ l		16DEC05	18FE908		♦ Section 11
CD 2200	Section 12				2006	- 90ACAG0		
2000	S CECTON 13			0 Z55EP06	906	250EC06 ·		♦ Section 13
50.750	Section 14	9	-	0 24FEB07	.803	18FEB07 *		♦ Section 14
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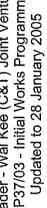
Leader - Wai Kee (C&T) Joint Venture TP37/03 - Initial Works Programme Updated to 28 January 2005



WAI KEE



Act		Orio T	ofai De						
9	Description	Dur Float Complete	oat Col	nplete Start	rt Finish	sh Start	t Finish	h MJJASONDJ	2005 FMAMJJASONDJFMAMJJASONDJFMAMJJASONDJ
CD1500	Section 15	Ö	-15d	0	ZONOVO		- 40AOASO		
CD1600	Section 16	0	974	ö	193EP07	_	25DEC07		♦ Saction 16
Submissions General Submissions	elone						4		
SUGS0100	Orafted Salety Plan	2	-	10D 10JUN04 A		—1	10JUN04 A   24JUN04 A		
3UG\$0200	Safety Plan	51		100 25JUN04 A	- 1	_	4 A 14JUL04 A	Safaty Plen	
SUGS0300	Sub-Contractor Management Plan (SCMP)	24		100 10JUN04 A			10JUND4 A 12JUL04 A	(ZZZ) Sub-Contractor Management Plan	(avyas)
SUGS0400	Dreft Waste Menagement Plan (WMP)	18		100 10JUN04 A			A OSJUIO4 A		(d)
8UCS0500	Waste Management Plan	62		100 28JUN04 A		1 A 28JUN04 A	1 A 02AUGD4 A		
\$UGS0600	Engineer Approval of WMP	18		100 03AUG04 A	34 A 08SEP04 A		03AUG04 A 08SEP04 A		divi
SUGS0700	Layout Plan & Location of Site Office	14	-	100 10JUN04 A	4 A OSJULD4 A	1	1 A 08JUL04 A	,	
SUGSOBÓO	Engineer Approval of Sile Layout Plan	9		100 07JUL04 A	4 A 20AUG04 A		A 20AUG04 A	1	spaul Plan
SUG\$0900	Project Signboard Location & Details	19		100 29JUN04 A	T	$\overline{}$	29JUND4 A 12JULD4 A		S.D.
SUGS 1900	Engineer Approval of Project Signboard Details	Ф	-	100 13JUL04 A	1	A 13JUL04 A	A 19AUG04 A	A CZZV Enginear Approal of Project S	I Signitsaard Delails
SUGS1100	EMSA and EMS with Basaline Monitoring Record	12	-	100 29JUN04 A	1	A 29JUN04 A	1 A 12JUL04 A	,	nthering Recent
9UGS1200	Engineer & EPD Consent of EM8A and EMIS	8	-	100 13JUL04 A	7	A 13JULD4 A	A 09SEP04 A		ni of EN&A and EMIS
SUGS1500	Inual Works Programme		-	100 10JUND4 A	ı	7	1 A 15JUN04 A		
SUGS1600	Engineer Approval of mital Works Programme	12	-2004	99 16JUN04 A		Т	11JUL04		/ Eropines Approved of Initial Works Programmo
SUGS1700	Detailed Works Programme	50	-2009	0 28JAN05	5 18MAR05	12JUL04	30AUG04	1.	V Dotabled Works Programme
SUGS1800	First Three Manth Rolling Pragramme	12	+	100 toJUN04 A		Τ-	4	A CU First Three Month Rolling Programme	
\$UG\$ 1900	Executive Summary Programme		-2004	0 2BJAN05					Checultus Summary Programme
\$1032000	Perliculars of Environmental Team Leader	12	+	100 10JUN04 A	4 A 24JUND4 A	A follund4 A	4 24JUND4 A		ă
SUGS2100	EPD & Engineer Approval of ET Leader	9		100 25JUN04 A	4 A 12JUL04 A	A 25JUN04 A	A 12JULD4 A	RZZ EPD & Engineer Approval of ET L	oder .
SUG\$2200	Overall TTA Scheme & Traffic Management Design	24	-	100 10JUN04 A		Т	10JUN04 A 28JUL04 A	~Q	ламеденталі Стеўрп
50552300	Comments on Overall TTA Scheme & TMD	18	-	100 29JUL04 A			A 30SEP04A	(CZZZZZZ Comments on Over	el TTA Scheme & TMD
SUGS2400	Revised Overall TTA Scheme & TMD	24	-	100 02DCT04 A		Т	020CT04 A 020CT04 A		A Scheme & TAID
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SUMADEDD	Engineer Approval of Roal Cover System		134	99 09NOV04 A			09NDV04 A 17JUNUS		/ Engineer Approval of Root Cover System
SUMMO300	Gemple Panels		-	100 08SEP04 A	4 A OBNOVO4 A	7	09SEPG4 A 08NOV04 A	Sample Pene	
SUMA1000 Engineer Approv	Engineer Approval of Sample Pannels	22	150	DAONEO 66	99 09NCV04 A 28JAN05	DACINEO	09NOV04 A 17JUN05		/ Engineer Approval of Sample Pannels
method statemen.	1. Submissions								
	Treatment Work Before Discharge of Effluent	54		100 10JUN04 A			10JUN04 A 24JUN04 A	ZZZ Treatment Work Before Discharge of	Effuent
	Engineer Approval of Trealment Work	₽		100 25JUN04 A			25JUND4 A 27NOV04 A		Approval of Trealment Work
	Dramage Works	18	_	100 17JUL04 A	A DEAUGDS A	A 17JUL04 A	A 06AUG04 A		
	Engineer Apprioal of Drainage Works	2		100 07AUG0	4 A 31AUGD4 A		07AUGD4 A 31AUG04 A	AZJ Engineer Approad of Drain	nage Vlorks
	Tree Transplant	24	ļ	100 OZJULO4 A	A 30JULDS A	A 02JUL04 A	A 30JUL04 A		
	Engineer Apprivoal of Tree Transplant	82		100 31JUL04 A		A 31JUD4A	A 19AUG04 A	Т.	ransplant
	Pre-druling	ā		100 10JUL04 A		1	A 301UL04 A	i Gu	
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G	Description	Dur	Float Complete	plete Start	y cany t Finish	Start	Finish	2004 2005 2005 2006 2006 M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. A. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. M. J. A. S. O. N. D. J. E. M. J. A. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D. J. E. M. J. A. S. O. N. D.
SUMEOSOO	MLS Bridge Piling Works	18		100 18AUG04 A	7		208EP04 A	(ZZZZ XI.S Bridge Piling Works
SUME 1000	Engineer Approval of ALCS Bridge Piling Works	잗	154	99 20SEP04 A	A 27JAN05	20SEP04 A 17FEB05	17FEB05	MILITALITY Engineer Approval of IALS Bridge Plings Works
SU44E1100	ALS Bridge Construction	67	624	80 19NOV04 A	A DBFEB05	19NOV04 A 26APR05	26APR05	CONTINUE Bridge Construction
SU!AE1200	Engineer Approval of MLS Bridge Construction	12	121d	0 12FEB05	25FEB05	9730105	2010L05	La Enginear Approval of MLS Bridge Construction
SUNE1300	Canstruction of Public Toilet No 2	92	P29	0 12FEB05	ZSMAROS	27APR05	07JUN05	Construction of Public Tollal No.2
SUME 1460	Engineer Approval of Public Yollel No 2	7	1330	0 26MARGS	509APR05	018EP05	14SEP05	La Typeway of Public Tollet No. 2
SUME 1500	Construction of Me Liu Shui Subway	87	620	0 ZGNAROS	5 21MAY05	OBJUNOS	04AUG05	Construction of Ma Liu Shall Bulburgy
SUME 1600	Engineer Approal of MLS Subway	12	724	0 23MAY05	047UN05	17AUG05	30AUG05	. TP Engines Approval of Mt.S Subway
SUNE1700	Retaining Wall No. 1	54	PZ9	0 23MAY05	SOUUNOS	05AUG05	01SEP05	COT Relating Wall No. 1
SUMETBOO	Engineer Approval for Retaining Wall No. 1	12	929	0 21.5UN05	GSJULGS	02SEP05	15SEP05	
SUNE1900	Construction of Public Landing Step	99		100 10JUN04 A	A 12JUL04 A	10JUN04 A 12JUL04 A	12JUL04 A	(ZZZ) Construction of Public Landing Stip
SUME2000	Engineer Approval of Public Lending Step	12	_	100 13JUL04 A	A 30JUL04 A	13JUL04 A	30JULD4 A	LES Engineer Approval of Public Innding Step
SUME2100	Construction of Londscape Node P1, P2 & P3	09		100 05AUG04 A	19AUG04 A	05AUG04 A 19AUG04 A	19AUG04 A	AZ Zana Nade P1, P2 & P3
SUL/62200	Engineer Approval of Construction for P1-3	12		100 20AUG04 A	A 24AUG04 A	20AUG04 A 24AUG04 A	24AUG04 A	A Engineer Approval of Complueiton for P13
\$UNE2300	Minimise Adverse Impacts Upon Water Oughty	9		100 05AUG04 A	A 19AUG04 A	05AUG04 A 19AUG04 A	19AUG04 A	Walkinisa Advanse Impacts Upon Water Quality
\$UNE2400	Engineer Approval of Minimise Method	21	-	100 20AUG04 A	A 24AUG04 A	20AUG04 A 24AUG04 A	24AUG04 A	ŀ
Poliminanes								
Contractor's S	Contractor's Site Accommodation							
PRCS0100	Mobilization	13		100 29JUN04 A	A 13JUL04 A	29JUND 4 A 13JULOS A	13JUL04 A	Weblitztion Co.
PRCS0200	Ereci Contractor Sits Office	82		100 10JUL04 A	A 31JUL04 A	10JULD4 A 31JULD4 A	31.JUL04 A	CONTracta Contractor Site Office
Preliminary Works	orks							
PRPR0300	Arrange ULG Meeling	8		100 29JUN04 A	A 19JULG4 A	Z9JUNG4 A 19JUL04 A	19JUL04 A	LIG Neeting
PRPR0400	Amonge TALG Meeting	48	+	100 29JUN04 A		$\neg$	23JUL04 A	Carrent of the Manufacture of th
PRPR0500	Tree Survey	v	-	100 29JUND4 A	A 06AUG04 A	29JUN04 A	06AUG04 A.	EZZZI Trae Barey
PRPR0690	Engineer Approal of Tree Survay	12		100 07AUG04 A	A 30AUG04 A	07AUG04 A	30AUG04 A	COV (COV) Depines Approa of Tree Survey
PRPR0900	Tite Transplani	24		100 31AUG04 A	A 31AUG04 A	31AUG04 A	31AUG04 A	Tree Fransplan
PRPR 1000	Tree Felling	12		100 30AUG04 A	A 30AUG04 A	30AUG04 A	30AUG04 A	Drawn Talling Tree Felling
PRPR 1100	Procure Third Perty Insurance	5		100 10JUN04 A		toJUN04 A	29JUL04 A	CLITTAL Parame Third Park insurance
PRPR1300	Erect Project Sign Board	gp	15Ed	75 20AUG04 A	A 02FEB05	ZOAUGOS A 2	24AUG05 *	WITHINIA Each Payed Sign Board
PRPR1400	1st Site Safely&Environmental Committee Meeting	z	_	100 29JUND4 A	A 20JUL04 A	29JUN04 A	20JUL04 A	III 16 Stelety Environmental Committee Meeding
PRPR1500	1st SSEMC Meeting	24		100 29JUN04 A	A 27JUL04 A	29JUN04 A	27JUL04 A	CZZI 118 SSEIAC Mealing
PRPR1600	Propose Location of Temperary Landing Facilities	24		100 10JUN04 A			26JUL04 A	ACTIVE Propose Localion of Temporary Landing Fedibles
PRPR1700	Engineer Approval the Temp Landing Lacation	12		100 27JUL04 A	-		17AUG04 A	A The Forener Approve the Temp Levaling Lecation
PRPR 1800	Provide Temp Lending Fealities	5		100 18AUG04 A			19AUG04 A	展 Provide Temp Landing Facilities
PRPR 3900	Apply Dumping Permil	<b>#</b>	_	100 10JUND4 A	$\neg$	$\overline{}$	OBJULO4 A	CLZZ Apply Dumping Permit
00024484	Approval of Dumping Permit	42	_	100 09JUL04 A	$\neg$	09JUL04 A	17SEP04 A	ALTAZA Aspiraval of Dumpling Permit
200 ZHANA	Propose Accurate Position Lentral at Disposal	9		100 25AUG04 A			250CT04 A	MALLALLA Propose Accurate Position Central et Disposed
PKPR2200	Engineer Approval of Proposal	15		100 250CT04 A			29DEC04 A	Com RITION Represed to Proposal
PRPR2300	Provide Water Quality Manitoring Equipment	21		100 10JUN04 A	$\neg$		110CT04 A	11 11 11 11 11 Provide Water Quality Movilloring Equipment
PRPR2400	Inite) Sounding Plan		-	100 13SEP04 A			SESEPO4 A	Minibid Bounding Plan
PRPR2500	Ordering & Delivery of Precsi Concrete Pipes		-21d	25 10JUL04 A		10JUL04 A 2	25SEP06	Codesing & Dalivary of Pract Concesse Pipes
PRPR2600	Ordering & Delivery of DI Pipes and Fittings	200	94	5 250CT04 A		250CT04 A 18APR07	8APR07	ACCOUNTY & Outsing & Dalivey of DI Piges and Pillings
PRPR2700	Concrete Trial Rix	9		100 13JULD4 A		13JUL04 A 2	22JULQ4 A	A Concain Trick Max
PRPR2800	Ordering & Delivery of Sanvail Blocks	110	PS	10 09DEC04 A	A 27MAY05	09DEC04 A 02JUN05	2.runos	677777 Ordenting & Delivery of Scientifi Blocks
Milestone Section 5								
MSS50100	Complete Laying of Ushtres	-	-24d	_	fatalizas		34 11 406 1	
				,	200		7	♦ Complete Laying at Utilities

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WAI KEE

<b>G</b>	Description	Dur File	Dur Float Complete	ite Start	Finish	Start	Finish	2004 2005 X A W A W A W A A A A A A A A A A A A A	2006 SONDJEMANUJASONDJEMAMJASONDJ
Section 7				The State of the S	· 1000年表示。	15.400 A. 15.4			
145570100	Complete Connection for ArchSD's Works	0	P21-	-	17AUG05		3170205	\$	♦ Complete Cennection for ArchSD's Works
	Commence Toilet & Paylian by ASD's Contractor	D		100 28DEC04 A		28DEC04 A		♦ Commence Tolist & Pavilion by ASD's Contractor	recion
MSS70300	Complete Toilet & Pavition by ASD's Contractor	0	·82d	0	26JAN06		05NOV05		♦ Complete Tollet & Pavilion by ASD's Convector
Section 8			-						
A5580100	Complete Connection of Utilities	0	PS9	0	25JAN06		ZOAPRO6.		♦ Complete Connection of Utilities
A45580200	Commence ASD's Works	٥	14	o 22JULDS		รรานเอร		Ф Соппа	© Comminute ASD's Works
MSSB0300	Camplete ASD's Works	0	<u> </u>	0	9070712		22JUL06 ·		⊕ Complue ASD's Works ♦
Section 1									
Amenity Area									
	Decide Exact Location of Menholes & Catchpits	-	P66	0 13AUG05	13AUG05	10DEC05	1005005	₩ Oec	$\overline{R}$ Decide Exect Location of Manholas & Galchpits $\overline{R}$
01ANIDW0200	S666 - Existing Box Culvert	43	P66	0 23AUG05	14OC705	20DEC05	OSFEBOG		Accessment of Sebbs - Existing Box Culvert
01AMDW0309	S679 - Existing Box Culvert	43	P66	0 1500705	03DEC05	10FEB06	31MARDS		A S679 - Existing Box Culveri
OTAMOWOADD	8670 - Existing Box Culvett	38	P201	0 0300705	16NOV05	OBFEROS	23MAR06		A S970 - Existing Box Culver
DIAMDWGSDO	S678 - Existing Box Culvert	33	1074	0 23AUG05	30SEP05	2905005	07FEB06		Soft - Existing Box Culvari
01AMDW0600	300UC at Planting Area (South Section)	30	1134	0 26JAN06	03MAR06	13JUN06	\$870L05		4 300UG at Planting Area (South Section)
01AMDW0700	305UC at Planting Area (North Section)	27	1404	0 02JAN08	28JAN08	202UN06	18JUL06	-	200UC al Planting Area (North Section)
01AMDW0800	375UC el Paving Area (Sauth Section)		P56	0 3005005	O1FEB06	Г	30MAY08		A 375UC at Paving Area (South Section)
	375UC si Landing Steps Area	45	1034	0 0505005	25JAND6		30MAY06		A 375UC AI Landing Staps Area
۰	375UC at Paying Area (North Section)	24 10	1074	0 08DEC05	04JAN06	15APR06	13MAY05		A 375UC at Poving Area (North Section)
Utitity Works 01AMUT0100	Walermain - WP9-4 to M9 (South Section)	15	128d	0 26JANGS	14FEB06	SONUNGE	18JUL06		(Land Walamain - WPs4 to N3 (South Section)
01AMUT0200	Watermain - WP7-3 to M7 (North Section)	15 14	1454	0 0238805	1BJAN06	Т	18,101,06		A Westermain - WP7-3 to M7 (North Saction)
T	Install Public Lighting Post	9	148d	0 11JANDS	19JAN06	1010106	18JUL06		Control Public Lighting Post
o B	ust and Kerb								ð
	Construct Owarf Wall (South Section)		113d	0 30DEC05	25JAN06	1	12JUN08		A Construct Dwarf Wall (South Saction) A Construct Dwarf Wall (South Saction)
	Construct Owarf Wall (North Section)	21 14	1404	0 08DEC05	31DEC05		19JUN08		( Construct Dwarf Woll (North Section)
	Construct Edging Beam (South Section)		P66	0 050EC05	29DEC08		27APR06		<u>(                                     </u>
	Construct Edging Bram (North Section)	18	1070	0 17NOV05	07DEC05		14APR06		A_P Construct Edging Beam (North Section)
	Lighting Drawpit & Cable Duct (South Section)		116d	0 30DEC05	10.3AND6	_	30MAY06		ALV Lighting Drawpt & Cable Duct (South Section)
	lighting Drampil & Cable Duct (North Section)	10 12	1210	0 06DEC05	19DEC:05	03NAY06	13MAY08		人子 Lighting Orawail & Cable Duct (North Section)
Roads and Paying	Penno Block (South Section)	07	1000	OLOSEEROR	ZOMABOR	OLLINOS	48.11.06		American Block (Smith Section)
$\neg \neg$	Pavng Block (Morth Section)		1070	0 05JAN06	10MAR06		18JUL06	•	American River (Audit Section)
Cycle Track									O
Orcidise Works	Decide Exact Location of Manhales & Gatchpils	,	P99	0 13AUG05	13AUG05	ZSNOV06	25NOV05	₽40 X	双Decide Exact Location of Manholes & Calchpits
01CTDW0200	S688 • Existing Box Cultert	42 8	P98	0 23AUG05	1300705	05DEC05	21JAN06		S888 - Existing Box Culvert
01CTDW0300	SEB1 - Existing Box Culvert	42	PEZ	0 24DCT05	1005005	19NOV65	GEJANDS		A See 1 - Existing Box Curvert
Π	5680 - Existing Box Culvert	14	159	0 09DECOS	25JAN05	270EC05	14FEB06		Sebo - Existing Box Culvert
	8697 · S698	B5	883	0 1400705	GINOVOS	23JAN06	14FEB06		2 S697 - S698
									the special contract of the sp
Π	CLP - 11kV Cebre (South Section)		PS	O toJANOS	22F E806	- T	21MAR05		A CLP - 11kV Coble (South Section)
	CLP - 11kV Cable (North Section)		15d	0 09FEB06	13MAR06	1	SOMARGE		CEP - 11kV Cable (North Section)
	CATV - 2 ways Cable TV Duct (South Section)	_	234	0 OZMAROS	22HAROS		18APR06		ر CATV - 2 ways Cable TV Duct (South Section)
	CATV - 2 ways Cable TV Duct (North Section)		150	O 14MAR05	O3APROG		21APR06		<u>A</u> CATV - 2 ways Cable TV Duct (North Saction)
	CATV - Gable Gannection		29d	O DSAPROG	OSMAYOS	_ [	BONITEO		CATV - Cable Connection
	Watermain - 250 & 300 Dro (South Section)		PEZ .	0 12DEC05	ZOJANOS	- 1	18FEB06		Watermain - 250 & 300 Che (South Section)
01011200	Welstmann - 250 Life (North Section)	R	P	d 26JAN06	20FEB06	15FEE05	09MAR06		A Vistamain - 250 Dia (North Section)

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WAI KEE

Act ID	Description	Orig Dur	Orig Total Percent Dur Float Complete	ercent Early mplete Start	rly Early art Finish	y Late	Late Finish	-	2004 2005 2005 2007 2
0107171300	Watermain - Yesting and Connection of 300 Die	19	P18		<u>¥</u>	r		7	A Walemain - Testing and Connection of 300 Die
0107071400	Watermain - Testing and Connection of 250 Dia	15	1.	0 21FE806	1		_	f	Compared to Testing and Connection of 250 Dia
	install Public Lighting Post	8	438	0 18MAY06	DE ZEMAYDE	10JUL06	18JUL06		AD Install Public Lighting Post
OTCTPKG100	Construct Owerf Wall (South Section)	18	PE2	0 Z3MAR06	13APR08	ZOAPROS	11MAY06		(
01CTPx6200	Construct Dwarf Well (North Saction)	18	154	0 OSAPROS	05 Z5APR06	-22APR08	13MAY06		A
01CTPK0300	Lay Kart (South Section)	4	L.	0 23MAR06	06 OSAPROG		5 25MAY08	,	And Various (South Section)
01CTPK0400	Lay Kerb (North Section)	11		0 05APR06	06 17APR06		3 27MAY05	*	Lay Kerb (North Baction)
01CTPK0500	Lighting Drawpit & Cable Duct (South Section)	18	L	0 14APR06	06 OSMAYOR	Γ	T	ī	Land Lighting Drawpit & Cabb Drus (South Section)
01CTPK0600	Lighting Drawpil & Cable Duct (North Section)	<u>8</u> 2	156	0 26APR06	06 17MAY06	15MAY06	927UN06		A Dubling Drawpi & Cable Duct (North Section)
Reads and Pavin 01CTRP0100	Ich Formalion & Lay Subbase (South Section)	12	PEZ	0 28APROS	06 12NAY06	ZEMAYDE	997UN05		A_P Trum Formation & Lay Subbase (South Section)
01CTRP0200	Trim Formalian & Ley Subbase (North Section)	₽		0 11MAY05	Т	Т		··-	Ly Yin Formation & Ley Subbars (North Section)
01CTRP0500	Lay Cycle Track Pavement (South Section)	9	PES	0 13MAY06		Т	_		COT (
01CTRP0600	Lay Cydo Track Pavement (North Section)	2	15d	0 23MAY06	06 13JUNDS	10JUN08	SOLUNGE		A Track Pavement (North Section)
Road Marking, T	и								(C)
01CTR3/0100		-	789 787	0 14JUN05	Tì	П			RApily Rased Marking $arDelta$
01CTRA-0200	Eract Signage	*		0 18MAY05					$D_{\mathcal{O}}^{Fred}$ Erect Skinaya $\mathcal{O}$
01CTRN0300	Install Rading, Fencing & etc	9	45d	0 IBMAY06	06 24MAY06	123101.06	18JULD5		AD install Reliba, Fencing & elc
Section 2. Temporary Traff	fic Management Scheme					V 22 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	***		
TTA implemental	ITA inplumentation		J						
02111480100	TTA No. 01 - Sul Cheung St. (S/B Slow Lane)	-	\$01d	0 15FEB06					$\overline{R}$ TTA No. 01 - Saf Cheung St. (StG Stow Lane)
021TMS0200	TTA No 02 - Sul Cheung St (S/B Fest Lene)	-	Plot	0 26APR06		25AUG06		7	XX TTA No. 02 - Sul Chaung St. (SB Fast Lane) 五
021 11:50:300	17A No. 03 - Existing Ma Litt Shul Bridge	-	79¢	0 14JUNDS	T	sanude s			$\overline{R}$ TTA No. 03 - Existing Ma Liu Shui Bridge
02171850400	TTA No 04 - Cyzło Track	-	15d	0 14JUMBS		9370106			ATTANO 04 - Cycle Track
0217M50500	114 No. 05 - Sut Cheung St. Roundabout	-	999	0 14JUN06		235EP05			TTA No. OS - Sull Chaumg St. Roundabout
02777450600	17A No 06 - Sui Cheung St. Roundabout	-	P99	9070100		19OCT08			置TTA No. 05 - Sul Chaung St. Roundsbout
02111/1/50700	TTA No. 07 - Sur Cheung SI Roundabout	-	P99	9070162 0		90,00060			MTTA No. 07 - Sul Cheung St. Roundabout
02TTMS0800	TTA No 08 - Sui Cheung S), & EMLSB	,1	150	0 1840306					TTA No. 08 - Sul Cheung St. & EM1.98
02TTMS0900	TTA Ma 09 - Sui Cheung St.	1	15d	0 1500.705		<u> </u>	i —		M TTA No. 03 · Sul Cheung St.
02TTMS1000	Implement Permanant Traffic Scheme	-	154	0 070500	35 07DEC06	25DEC06	25DEC08		Munplement Permanant Traffic Schere
Proposed Ma Lit	roposed Ma Liu Shui Bridge Illiin Diversios a staticheren Street	. T							
021/181/180	Trial Pits	12		100 18AUG04 A	34 A 06SEP04 A		18AUG04 A 085EP04 A	AZZ Trial Pits	
02AfBUD0200	Lieison with CLP & WSD far Diversion Works	30		100 23AUG04 A	MA 17SEP04A	A 23AUG04 A	A 173EP04 A	AZZV Llatson with CLP & WSD for Diversion Works	for Diversion Works
92MBUD9309	Submit TTA for Approval	24		100 16SEP04 A	4 A 235EP04 A	16SEP04A	A 238EP04 A	A Submil TTA for Approval	
02MBUD0400	Imploment TTA	-		100 08NOV04 A	M A OSNOVOA A	П	GBNOV04 A 0BNOV04 A	K Implement ITA	
021/18/1/20500	CLP 11kV Cables Diversion	2		100 15JAN05 A	5.A 19.JAN05.A	15JANDS A	A SUANDS A	, ,	P 11AV Cables Oversion
92kBUD0540	CLP 132kV Cable Ducts Diversion	12		100 24DEC04 A	HA 15JANDS A		24DEC04 A 15JAN05 A		3 32kV Cable Ducts Orversion
02MBUD0600	Watermain Diversion & Advance Notice to WSD	98	<u> </u>	100 09NOV64 A	4 A O3JANDS A		DSNOV04 A 03JAN05 A	NOW AZZZZZA	COLOR Watermain Diversion & Advance Notice in WSD
02MBUD9610	Watermain Connection by WSD	18		100 22JAN05 A	S A ZZJANGS A	22JAW5 A	4 223AND5 A		Myetamath Connection by WSD
Existing Structure 02MBES0100	Survoy Existing Bridge & Read Survey	121		100 07,1131 04 A	A 20113104 A		02.111.04 A 2011.104 A	Evietics Bridge & Donal	
DZMBESOZOG	Submit Monitoring Proposal	22	-	100 15AUG04 A			A Z3AUG04 A	EV Submit Monitoring Proposa	
02MBES0300	Engineer Approval of Monitoring Proposal	12		100 24AUG04 A	4 A 30AUG04 A	T	24AUG04 A 30AUG04 A	(IV Engineer Approval of Monitoring Proposal	ing Proposal
Pro-drilling Works 02MBPR0100	Submit the Coordinates of Culved	-		100 1641/30	100 16AUG04 A 16AUG04 A		16AUGD& A 18AUGD& A	W Submit the Coordinales of Culvert	
021ABPR0200	Predilling (P1-P8)	45	-	100 25SEP04 A	4 A DSNOV04 A	_	A 05NOV04 A	ZZZZV Predrilling (P1.P8)	
02MBPR0300	Predniing (P9-P11)	24		100 26OCT04 A	4 A 04NOV04 A		28OCT04 A 04NOV04 A	CO Predring (Par	
02MBPR0±00	Predniung (Pier 1)	ຮ		100 25SEP04 A	4 A 230CT04 A		25SEP04 A 230CT04 A	(I raid) GUZZA	
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Ę C	Description	Dur Flos	Float Complete	lete Start	Finish	Start	Finish	2004 M I I A S O N D J	2005 2006 2007 2006 2007 2006 2007 2007 2008 2007 2008 2008 2008 2008
02MBPR0500	Prednling (Pler 2)	30		27AUG04 A	<	٧	14SEP04 A	AZZA Predrilling (Pier 2)	
02MBPR0600	Prednling (North Abutment)	P0ZZ 1/2	PO:			220CT05	18NOV05	-	Predvilling (North Abutmess)
02NBPR0700	Submit Proposed Founding Level (P1.P8)	21		100 05NOV04 A	OBNOVO4 A	05NOV04 A 0	08NOV04 A	Submil Propo	$I\!\!I\!\!I$ Submil Proposed Founding Level (P1-P8). $I\!\!I\!\!I\!\!I\!\!I\!\!I\!\!I\!\!I\!\!I\!\!I\!\!I\!\!I\!\!I\!\!$
02MBPR0600	Engineer Approval of Pr.P8 Founding Level	15 16	154			09NDV04 A 1	17FEB05	William S.	IIIIII Englinear Approved of P4-P8 Founding Lavel
02h/BPR0900	Submit Proposed Founding Level (P9.P11)	9		_	OBNOV04 A		0BNOV04 A	A Submit Propose	sed Founding Level (PB-P11)
02MBPR1000	Engineer Approval of PS-P11 Founding Level	12 10	101d	99 09NOV04 A	27JAN05	09NOV04 A 3	SORIAYOS	THE STREET	Finginesi Approval of P9-P11 Founding Level
0ZMBPR1100	Submit Proposed Founding Level (Pier 2)	w	L	100 05NOV04 A	08NDV04 A	OENOVO4 A D	DBNOV04 A	M Submit Propo	$R\!\!\!/$ Submit Proposed Founding Leval (Pier 2)
02MBPP1200	Engineer Approval of Pier 2 Founding Level	12 16	1614	99 09NOV04 A	27JAN05	09NOV04 A	10AUG05	RITTER EN	ETTETE Explores Approva of Pier 2 Founding Level
021ABPR1210	Submit Proposed Founding Level (Pler 1)	9		100 05NOV04 A	OBNOVO4 A	06NOV04 A D	DBNOV04 A	Odoral Propo	osed Founding Level (Pler 1)
02MBPR1220	Engineer Approval of Pier 1 Founding Level	12 1314	19	99 09NOV04 A	27.JAN05	09NOV04 A D	อยามาจร		μū
02MBPP1300	Submit Proposed Founding Lavel (M-Abulmont)	6 2204	504	0 01MAR05	07NAR0S	19NOV05 2	25NOV05	1	💯 Submit Proposed Founding Lavai (A-Abulmani)
02NBPR1400	Engineer Approval of N-Abulment Founding Lavel	12 220d	PQ	D DSMIARUS	ZIMARDS	26NOV05	09DEC05		C Engineer Approval of N-Abutment Founding Level
Piting Works									
02MBPW0100			12 <b>d</b>				24FEB0S	70	D Mobilization of Piling Plants
02MBPW0200	Construct Pile P1 - P8		15d				30MAY05		/ Construct Pile P1 - P4
021/BPW1000	Construct Pile Pg - P11	30 15	15d			-	OBJULUS		Canatuct Pile P9 - P11
02MBPW1300	Construct Pier t Piles	L	15d	_			10AUG05		Construct Pier 1 Piles .
02MBPW1400	Construct Plan 2 Piles	R	15d	0 25JULDS	27AUG05	11AUG05 1	14SEPO5		Canstruct Pior 2 Piles
02MBPW1500	Construct N-Abulment Piles	40	96d	0 29AUG05	17OCT05	10DEC05 2	25JAN06		Construct N-Abulment Piles
Volded Abistmen	int Construct Ground Beams (Stage 1)	12 51	574	0 13MAY05	26MAY05	21JUL05 0:	03AUG05		CP Construct Ground Beams (Stoge 1)
02848VA0200	Construct Ground Beams (Stage 2)		574		T	Τ.,	17AUG05		6.77 Construct Ground Bearrs (Slage 2)
02AIBVA0390	Construct Ground Beams (Stage 3)		B¢d	┰		_	04OCT05		STO Construct Ground Bearns (Slage 3)
02MBVA0400	Construct Ground Beams (Stace 4)		246			$\neg$	1900705		Construct Ground Baens (State 4)
02MBVA0500	Construct Ground Beams (State 5)		B4d				02NOV05		(文文)
003487/48000	Constant Walf Stree 13		7.29			П.	0705006		Township fellows 1
0209040900	Construct Well (Stock 1)		D/G	SOUTED O		Т	U/SEPUD		( Sensitive Mail Solds )
20104040470	מושים היים ניושלים על		2 ;	Т		T	200		The Grand American Control of the Co
02MBVA0800	Construct Well (Stage 3)		57d				150CT05		Cart fruct Wall (Stege 3)
02MBVA6900	Construct Wen (Stage 4)		57d	П			DZNOVOS		A_y Construct Wall (Steps 4)
02MBVA1000	Construct Wall (Stage 5)		PLS	.		- 1	Savovas		Construct Wall (Slage 5)
02M8VA1100	Construct Slab	24 1834	PE PE	0 15SEP05	15OCT05 :	24APR05 2	223,AY06		Canstruct Stab
02MBPA0100	Construct Pile Cap	857	754	0 25,01.05	DZAUGOS	24OCT05 0	OINOVOS		€ Constitute File Cap
D2848PA0200	Construct Columns	12 76	P92	O O3AUGOS	16AUG05	02NOV05 1	15NOV05		CV Construct Columns
Plor 2									E3
02MBPB0100	Construct Pile Cap		659				24NOV05		∰ Construct Pile Cap CX
021/BPB0200	Construct Columns	12 65	929	0 0785905	21SEP05	25NOV05 01	08DEC05		A. V Construct Columns
02MBNa0100	Construct Pile Cap	18 86	B&d	0 1800105	07NDV05	26JAN06 11	17FEB06		/ Constunt Pile Cap
02MBNA0200	Construct Abutment Walls		98d	Τ.			17MAR06		Canstout Abutment Walls
021/181/40200	Construct Wing Walls		PE6	Т			09MAY06		Construct Wing Walls
Bridge Deck - Vo	Bridge Deck - Volded Abutment to Pier 1								A
02N3DA0100	Erect Scaffolding	8 57	57d			- 1	02DEC05	***	(I) Erect Scalloiding
021/18/0/40200	Ereci Farmyark (Bollom Slab)	<b>G</b>	969	П			26DEC05		Д Eneci Formwork (Boltom Stab.) なな
02MBDA0300	Steel Frang	8	694				04JAN05		ΔD Steel Fixing ΔD
02hBDA0400	Erect Formnotk (Kicker)	8	P69				13JAN06		<u>人</u> Eeel Formwork (IddAer) SD
OZMBDA0500	Concreting	4 69	P69				14.JAN06		B Converting $B$
021/3BDA0600	Ereal Formwork (Diaphragm & Top Stab)	8	P69	П			24.JAN06		$\widetilde{\mathcal{LD}}$ Erect Formwork (Diaphragm & Top Stab)
02NBDA0700	Steel Floring	P69 9	B	П		IΠ	02FEB06	Photos	AD Sleat Pring
02MBD40600	1 3	- 69	P69	0 12NOVDS	12NOV05 0	03FEB06 03	OJFEBOB		况 Conceeling S
	Ш								
Data data 28JAN05 Run data 28JAN05	1105 C Entry 13st point 1105 C Territy fulls point 1105 C Territy fulls point						eader	- Wai Kee (C&T) Jo	
	H,						TP37	TP37/03 - Initial Works Programme	TOUR LEADER ME

Updated to 28 January 2005





Act	Description	Orig Dur	Total Float	Total Percent Float Complete	Early Start	Early Finish	Late Start	Late Finish	2004 M ! J A S O N D .	2005 2006 2006 FM A M J. A S O N D. J. FM A M J. A M
02MBDA0900	install, Stress Tendons & Grouling	23	P69	3	0 21NDV05	OSDECOS		24FEB06		<u>人</u> Instal. Sifess Tendons & Graviling
02MBD41000	Remove Formwark & Scalfolding	9		9	0 12DEC05	1705.05	D4MARGE	10MAR06		CD Kannove Formwork & Scalladding
02MBDA1100	Construct Parapel Construct Centre Burier	8 48	141d	9   6	0 0505005	28JAN06 23FEB06	ZSMAYSE	19JU/L06	· · · · · · · · · · · · · · · · · · ·	Construct Perspet
Bridge Dack - Plar 1 to Plar 2	rr 1 to Plar 2									
02MBDB0100	Erect Scaffolding	no no		0	0 03OCT05	120CT05	03DEC05	1705005		AP Erect Scalifolding
0288000000	Erect Formwork (Boltom Slab)	60 6	57d	9 6	130CT05	2100705	19DEC05	2705005		(L) End Forminerk (Botlam Slab.)  Of Forminer (Botlam Slab.)
02:MBD80300	Burning	0 (	0/0	3	2202103	50000	COLECUS	agnitude of		And a control of the
024/8080400	Erect Formwork (Nicker)	80	276	9	platNovas	SOVONEO.	06JAN06	14JAN08		AL Ene l'etravoir (Vicker) TO C
021,8080800	Conceiling	- [	P/S	2	SOVONOT O	1000001	16.1AN08	16JAN05		IS CONCERNO IS CONCERNO IS CONCERNO CONCERNO OF THE CONCERNO O
0ZMBOB0500	trect Formwark (Disphrepm & Top Sibb)	•	P		GOADNI1 0	19NOV05	Tranue	25-LANGO		LLY Effect romwook (Laphingsma 109 8489)  CA  The form of the common (Laphingsma 109 8489)
024/3060709	Slee! Fixing	Φ,	570		ZINOVOS	ZeNOVOS	26JAN05	OSFEBOR		December 1
000000000000000000000000000000000000000	Concession	-  :	200	1	CONONES	COACHION	and lead	oos so		Carrier of the constant of the carrier of the carri
021/8DE0900	instali, Stress Tendons & Growling	12	P29	0	05DEC05	17DEC05	11FEB06	24FEB06		ALL Install, Siress Tendons & Groufing
02MBDB1000	Remove Formwork & Scaffolding	6	57d	0	02JAN06	07.JAN06	11MAR06	17MAR06		LI Ramove Formwork & Scalfolding
02MBDB1100	Construct Parapet	36	1344	В	g 19DEC05	20JAN06	291/AY06	11JUL06		Construct Parapet
021/BDB1200	Construct Centre Barrier	27	1344	0	0 01FEB06	03MAR06	12301.08	11AUG06		Construct Centre Burrier
Bridge Deck - Pla 02MBDC0100	Bridge Deck - Pler 2 to North Abutment 02M80-cotoo Elect Scaffolding		P15	Î	O GOJANOG	17JAND6	181/ARG6	27MAR06		A V Erec Scathoding
02MBDC0200	Efect Formwark (Bottom Slab)	60	574	0	0 18.1ANO6	ZEJANOS	28/44/205	OSAPROS		SO NOT Each Formwork (Ballon Step)
02848050300	Steel Frein	*	3	)   ·	22 IANOR	OTEFRICE	MARRIER	154 PROF		CONTRACTOR
02MBDC8408	Disect Friedrich (Kirker)	٥ (۵	2 6		annier z	18FEBUS	STABBUS	SEADENE		AT Start Semant History
00000000000000000000000000000000000000	Cecr. Orthop (Cecr.	,		֓֟֟֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֟֓֓֓֓֓֓֓֓֓֓	001500	191000	1	DOLLAR DESCRIPTION OF THE PERSON OF THE PERS		CA CART LOUISIAN (MARK)
02WBDC0500	Concreting		570	0	17FEB06	17FEB06	ZSAPRO6	ZEAPROG		Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
DOS COMPONENTS	Exect Formwork (Lingbringth & 100 Sido)		9/9		ISFEBOS	277-11506	Z/APROE	GEMAYUE		CO COMMUNIK (Usbringem & 10p Side)
02NBDC6700	Steel Fixing	9	57d	٥	0 28FEB06	DEMARDE	CBMAYOR	13MAY06		O Steel Fixing
0255500000	Constraint	-	5,4	9	0 07734806	OZWAROB	15MAY06	15MAY05		Z Z
OZWIEDCOSDO	Install, Siress Tendons & Gracing	12	229	• ]	15MAR06	28MAR06	ZaMAY06	90NO190		6.7.7 See a fendons & Grauting
027/48/05/1000	Kemave Formvork & Scaliniang	9 %	PE 1	•	1345806	1945206	13,01.08	19JUL06		CV Remove Formwork & Scaffolding
02/4BDC1100	Construct Parapel	æ	P15	° آ	291MAR05	11MAY06	07JUND6	197INT08		Construct Parapel
021/JBOC1200	Construct Centre Berler	8	716	٦	0 13APR06	18MAY06	9070790	11AUG06		Construct Centre Barrier
02N9FAW0100	Install Drainage System	20	574		0 12MAY06	OSJUNOS	SOUNTOR	11AUG06		C
028/88/4/0200	Install Atominium Reil	20	PLS	-	0 12M4Y06	OSJUNOS	2021/106	11AUG05		
OZEABANVOSDO	Instan Public Lighting Post	12	959	0	0 12MAY06	251.AAY06	29.17.106	11AUG06		
02N3BNW0400	Soffu Lighling	9	269	0	0 05DEC05	\$0DEC05	25FEB06	OBMARDS		
Roads and Paying			۱							3
02MBRP0100	North Abulment - Backlitta Farmution	40	PE6	°	0 17JAN06	OGMARGE	10MAY06	ZEJUNDE		American Varith Abultment - Backfill to Formation
0770-149W0	North Abutment - Lay Subbase	B)	PES	•	0 13APR06	21APR06	03AUGd6	11AUG06		الله المرتب الم
	Road Pavement	18	P62	•	0 10JUL05	29JUL06	12AUG06	DISEPOS		<u>√</u> Road Pavement <del>S−2</del>
02MBRM0100	Apply Road Marking	2		0	0 31,00,06	01AUG06	028EP06	045EP06		XX Apply Road Marking
02MBRM0200	Eveci Signage	12	294	o	0 17JUL05	29.3UL05	19AUG06	01SEP08		A
Retaining Wall										į
No. 1 02REWA0100	Bsy 1	91	Ř	o	o saugos	31AUG05	16SEP05	06OCT0S		1 600 1
02REWA0200	Bay 2	4	P62	0	018EP05	1682P05		24DCT05		February Company of the Company of t
02REV/A0300	Bay 3	7	P62	0	0 17SEP05	05OCT05	250CT05	OBNOVOS		Company of the Compan
02REWA0400	Bay 4	14	294	0	06OCT05	220CT05	1000005	25NOV05		P (AE ACC)
02FEV/A0500	Bay 5	14	29d	0	240CT05	08NOV05		1205.05		s.40g_T
02REWA0500	9ау б	Ā	1074	0	0 09NOV05	24NDV05	TEMARGE	317/AR06		0 And On One of the Control of the
H	П								•	D-V
	$  \cdot  $							•		-
Run date 28JAN05 Project name 1P06	111							Leade	Leader - Wai Kee (C&T) Joint Venture	9
	ZZ Progesta bar							_ 	1 P3 / / U3 - Initial Works Programme	
O Permanana Surfame Inc	11.							_	Updated to 28 January 2005	
	0									





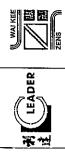
Act ID	Description	Orig . Dur F	Orig Total Percent Dur Float Complete	nt Early ste Start	Early Finish	Late Start	Late Finish	2004 2005 2006 2006 2007 WILLASOND JFMAM JASOND JFMAM JAS
02REWA0700	Bay 7	14	107d	0 25NOV05	1005:005	01APR06		
02REWAGEGG	Boye	2	107d	0 12DEC05	27DEC05	19APR05		Black B
02REWA0900	9 year	7	134d	0 12NOV05	28NOV05	28MAR06		6 Mag (1777)
02REWA1000	Bey 10	1	114d	0 29NOV05	14DEC05	14APR05		of year TCA
02REWA11G0	Bey 11	14	1144	0 150EC05	30DEC05	02MAY08		(C) (Say 11
02REWA1200	Filling to Road Formation Levels	20	P201	0 2806005	19JAN06	06MAY06	29MAY06	A Filling to Road Formation Levels
Road D1								
02RDDW9100	Decide Exact Location of Monholes & Celchpils	-	1654	0 13AUG05	13AUG05	28FEB05	28FEB06	₹ Co-tide Execut coetion of Manholes & Galchpits
02RDDW0200	5615 - 5705	36	P&C	0 02JAN05	14FEB06	18FEB06	311/AR06	8015 - S105
02RDDW0300	S626 + S629	ñ	P£6	O O7MARGG	12APR06	27JUN06	OZAUGGE	6295 - 3629 - 3620 - 3620 - 3620 - 3620 - 3620 - 3620 - 3620 - 3620 - 3620 - 3620 - 3620 - 3620 - 3620 - 3620 - 36
02RDDW0400	S698 - S710	27.	Pg6	O 04NOV0S	05DEC0S	01MAR06	_	2596 - 5710
02RDDW0500	S610A - S610 (TTA No. 01)	8	1014	0 16FEB06	10MAR06	17JUN05	1	A Seto (TA No ot)
02RDDW0500	S610 - S710 (TTA No. G4)	22	210	0 15JUN06	1130106	1170106	04AUG06	(A 2710 ITTA No. 04)
02RDDW0700	Replace 600 Pipe by 900 Pipe (TTA No. 04)	R	154	0 15JUN06	08JUL05	0430105	26JUL06	A Replace 600 Pipe by 900 Pipe (TTA No. 04)
02RDDWeego	Reconstruct Ext AUR w 1800 Chamber (TTA No. 08)	22	194	0 19AUG06	13SEP06	11SEP06	050CT06	Fraconstruct (SA) MM w 1800 Chamber (TTA No. 08)
02RDDW0900	Centruct Guilias to Existing Pipe (TTA No. 08)	8	15d	0 09SEP06	18SEP06	27SEP06	050CT06	AT Control Guilles to Existing Pipe (TTA No. 08)
02RDDW1000	Construct Gulles to Existing Pipe (TTA No. 09)	10	154	0 1900705	3100106	07NOV08	17NOV06	Construct Guilles to Existing Pipe (TTA No. 09)
Utility Works 02ROUT0300	NWT & HGC - Laying Cable Duct	23	P6£	0 01144R06	20MAR06	17APR06	DEMAY06	(
02RDUT0310	Ny77 & HGC Cable Connection	27	148d	0 21MAR06	21APR06	14SEP06	160CT08	A HGC Gable Connection
02RDUT0400	WF&T - Laying Cable Duct	21	394	0 21MAR06	10APR06	DBMAYDG	26MAY06	A WAST - Laying Cable Duct
02RDUT0410	V/75T · Cable Connection	25	P2E1	0 11APR06	118/AY05	155EP06	150CT06	Wrat - Cobie Connection
02HOUT0500	PCCW - Laying Cable Duct	40	394	011APR05	27MAY05	27MAY06	14.5UL06	Commy Process Laying Cable Duct
02RDUT0510	PCCW - Cable Connection	39	44d	0 29MAY05	14JUL06	21JUL06	04SEP06	Commercial PCCW - Cable Connection
02RDUT0600	Watermain - Laying FW Moin Grossing	12	239	0 15FEB06	28FEB06	01APR06	15APR06	CP Watermain - Laying FW Main Cressing
02RDUT0700	Watermain - Laying FW Main Crossing (TTA No. 04)		154	0 10JUL06	18JUL06	27,101.06	04AUG08	AT Walenman - Laying FW Walen Cressing (TTA No. 04)
02RDUT0890	Watermain - Replace Fresh Main (TTA No. 01)	18	101d	0 11MAR06	31MAR05	12301.06	01AUG06	CT Watermain - Replace Fresh Main (TTA No. 01)
02RDUT0900	Watermain - Replace Fresh Main (TTA No. 08)	81	154	0 19AUG06	0855.706	06SEP06	26SEP06	Wetermain - Replace Fresh Nain (TTA No. CB.)
62RDUT 1000	Install Public Lighting Post (TTA No. 04)	100	214	0 02AUG06	10AUG06	26AUG06	049EP06	LIV Install Public Lightling Post (TTA No. G4)
62RDUT1108	Install Public Lighting Post (TTA No. 09)		26d	0 15NOV06	23NOV05	150EC06	23DEC06	(D) Install Public Lighting Post (TTA No. 09)
O2RDPK0100 Ley Kerb	Ley Kerb	#	394	o zouuwos	907/1790	05AUG05	Z1AUG06	—————————————————————————————————————
02RDPK0200	Ley Kerb (TTA No. 04)	9	15d	0 26JULDS	01AUG08	12AUG06	IBAUGGE	G D Usy Kenb (TTA No. 64)
02RDPK0300	Lay Kerb (TTA No. 09)	9	158	0 DBNDV06	14NOV06	25NOV06	0105006	Ø
02RDPK0400	Construct Central Divider	54	43d	O 29MAY05	ZEJUNOS	20701,06	16AUG06	A Construct Construct Construct
02RDPK0500	Construct Central Divider (TTA No. 08)	12	154	0 193EP06	02OCT06	06OCT08	200CT06	Construct Control Divider (17A No. 08)
02RDPK0600	Construel CPB	24	434	0 296.1AY06	26JUN06	20,00.05	16AUG08	Construct CPB
02RDPK0700	Lighting Drovept & Cable Duci	8	39d	0 29MAY06	19JUN06	15301.06	04AUG06	Tophing Drawpii & Cashe Duci
02P/DPK0800	Lighting Drawpit & Cable Duct (TTA No. 04)	9	15d	90701761 0	รราบเวย	05AUG08	11AUG06	AD Lighting Drawpil & Cable Duct (TTA No. 04)
02RDPK0900	Lighting Drawpil & Cable Duct (TTA No. 09)	9	15d	0 01NOVDE	07NDN20	18NOV06	Z4NOV06	(I) Lighting Drawpit & Cable Duct (TTA No. 99)
02RDRP0100	Trim Formation & Ley Subbese	ន	PEE	0 ZOJUNDE	13.141.06	0SAUG06	28AUG08	A. P Tim Formation & Law Subbases
02RDRP0200	Trim Formation & Lay Subbase (TTA No. 01)	10	10 Jd	0 01APR06	13APR06	02AUG08	12AUG06	<u>G</u> Titn Formation 6 Lay Subbase (TTA No. 01)
02RDRP0300	Trim Formalion & Lay Subbase (TTA No 02)	9	101d	0 27APR05	04MAY05	26AUG06	01SEP06	A Trim Formation & Lay Subbase (TTA No. 02)
02RDRP0400	Trim Formation & Lay Subbase (TTA No. 04)	ש	150	0 28เปเชย	0340006	15AUG08	21AUG06	ΔV Trim Formation & Lay Subbase (TTA No. 04)
0280890500	Tren Formation & Lay Subbase (TTA No. 08)	6	15d	0 285EP05	040CT06	1700710	23OCT06	ΔV Trins Formation & Lay Subbase (TTA No. 06)
02RDRP0600	Trim Formation & Lay Subbase (TTA No. 09)	φ .		0 15NOV05	21NOV05	02DEC06	08DEC:06	(E) Trim Formation & Lay Subbase (TTA No. 09)
2000-000	Noon Tavelnem - 1970	٥	290	0 1430/06	zonnroe	29AUG06	04SEP06	W Road Perement - WIC
			1					

& Primavera Systems, Inc



WAIKEE

Act	Description	Orig Tota Dur Floz	Total Percent Float Complete	Early Start	Early Finish	Late Start	Late Finish	2005 2005 2005 2006 W. J. A. S. O. N. D. J. F. M. A. M. J. A. S. O. N. D. J. F. M. A. M. J. A. S. O. N. D. J. F. M. A. M. J. A. S. O. N. D. J. F. M. A. M. J. J. A. S. O. N. D. J. F. M. J. A. S. O. N. D. J. F. M. J. A. S. O. N. D. J. F. M. J. A. S. O. N. D. J. F. M. J. A. S. O. N. D. J. F. M. J. A. S. O. N. D. J. F. M. J. A. S. O. N. D. J. F. M. J. A. S. O. N. D. J. F. M. J. A. S. O. N. D. J. F. M. J. A. S. O. N. D. J. F. M. J. A. S. O. N. D. J. F. M. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. A. S. O. N. D. J. F. M. J. J. J. A. S. O. N. D. J. F. M. J. J. J. J. J. A. S. O. N. D. J. J. J. J. J. J. J. A. S. O. N. D. J.	2007	2
02RDRP0800	Road Paventent - W/G (TTA No. 01)	10 1014	16	14APR06	25APR06	Ë	24AUG06	Fig. 2 Sept. 1		2
02RDRP0900	Road Payament - 8/C (TTA No. 02)	_	10		OGIAAYOG	1	04SEP06	Road Povement - BIC (TTA No. 02)		
02RDRP 1000	Road Pavement - W//C (TTA No. 04)	Ш	1\$d	04AUGD6	17AUG06		04SEP06	CT Road Perement - WIC (TTA No. 04)	-WIC (TTA No. 04)	
02RDRP1100	Read Pevement - W/C (TTA No. 08)	10			17OCT05		ONNOVOE		A.V Rood Povement - W/C (TTA No. 08)	•
02RDRP1200	Road Pavement - W/C (TTA No. 09)	12 1:			05DEC06		22DEC06		Road Pavement - W/C (TTA No. 09)	
02RDRP1300	Construct Footpath batween C/T & D1	35 75	734 0	o tsAUGO6	288£P06	14NOV06	25DEC06	Constru	Construct Foolpalh between C/T & D1	
CZRDRM0100	Road Marking & Traffic Sign and Fonding 02RDRM0100 Apply Road Marking (TTA No. 04)	4	15d C	0 14AUG06	17AUG06	314UG06	04SEP06	Apply Read Marking (TTA No. 04)     Apply Read Marking (TTA No. 04)	ding (TTA No. 04)	
02RDRM0200	Apply Road Merking (TTA No. 08)	-		1700106			04NOV06	Gay XX	XX Apply Road Marking (TTA No. 08)	
02RDRM0300	Apply Road Morking (TTA No. 09)	-	154			1	2305006		R Apply Road Marking (TTA No. 09)	
02RDRM0400	Erect Signage	8	0 085	Т	12AUG06	25AUG06 0	04SEP08	D Ered Signage	ed.	
02808140500	Erect Signage (TTA No. 08)	9	194	обостов	120CT06	280CT06 0	DANOVOE	Para Di Beret	💇 Erect Signage (TTA No. 08)	
02RDR1/0600	Instell Reiling, Fencing & elc	80		o o4AUG06	1241/305	26AUG06 0	04SEP06	CV Install Rading, Fencing & ele	ale & elc	
02RDRM0700	Inclall Reiling, Fencing & etc (TTA No. 08)	9	0 P61	0 0500706	120CT06	28OCT06 0	04NOV06	PRINCE OF THE PR	💯 Install Railing, Fencing & ete (TTA No. 08)	
Road SL3								30		
02RSEA0100	Excevole to +4.5 mPD	1384		0 13AUG05	26AUG05	25JAND6 0	09FEB06	C Excesses to +4.5 mPD		
OZRSEADZOD	Fill to Road Formation			1	-	1	09MAR06	Fill o Road Formation		
Drainage Works								Newsy)		
02RSDW0100							09MAR06	X Decide Exact Location of Manholes & Calchpils		
02RSDW0200	\$647 - Existing Box Culvert		O PE				13APR06	A Sol ? - Existing Box Culvert		
02RSDW0300	5533 - Existing Box Culvert	]					25MAY08	A Box Culver		
02RSD/W0400	F301 - F302						16JUN06	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
02RSD2/0500	S633 · S629						ารงบเตธ	8231 - 8623 - 8623		
02RSDW0600	8695 - 8635	21 1384		0 D2JANG6	25JAN06	17JUN06	1211/106	\$500 - \$6		
OZRSUTOZOO	NWT & HGC - Laying Cable Duct	18 1440		O ZOJANDE	\$1FEB06	14JUL06 0	03AUG06	A VIVAT & HOC I with Carla Duri		
02RSUT0210	NWT & HGC - Cable Connection					t	04SEP06	wijimawa Guing Carama Marana Marana Marana Marana Marana Carana C		
02RSUT0300	WT&T - Laying Cable Duct				Ì	- 1	030C106			
02RSUT0400	PCCW - faying Ceble Duci					1	27NOV06	and ages owner- MODA A		
0285UT0500	Instell Public Lighting Post	P923 8			Т		230EC06	ted Griffle Horizin Poly		
Public Lighting, D	Duct and Kerb									
02RSPK0100	, ,	P201 PE					214UG06	A Construct Dwarf Wall		
02RSPK0200	Lay Kerb	9 1264					170C106	Carlot Kerb		
02RSPK0300	Lighting Drawpit & Cable Duct	20 126d		0 15APR05 (	09MAY06	13SEP06 0	05OCT06	Land Drawpt & Cable Duct		
Roads and Pavin 02RSRP0100	7m Formation & Lay Subbase	18 1264		OlzoMAY06	\$ SONTIFOL	1800706 0	OBNOVOR			
02RSRP0200	Road Pavament	Л		Τ'''			29NOV06	Carry Consistent to Consistent	9	
02RSRP0300	Construct Footpath betweem C/T and RW no. 1	24 1784		┰		$\neg$	2505006	1 Communications of Communicat		
	Traffic Sign and Foncing							Constitute tootpain between C	and RW no. 1	
02RSRM0100	Apply Road Marking			0 25301.06	27JUL06		23DEC:06	<u>M</u> Appy Road Marking		
02RSR1/0200	Erect Signage	12 1264		Ι		ı	20DEC06	C C Signage		
92RSR1,0330	instell Reiung, Fencing & etc.	12 1264		0 11JUL06	2410106	07DEC06 20	ZODECOB	Ly (Ly Install Railing, Fenci	) & elo	
Existing Sui Cheung Street	aung Street							7.77		
62SCDV/0100	Decide Exact Location of Manholes & Calchalis	1 294d		0 13AUG05	13AUG05	02AUG06 02	02AUG06	X Decide Exact Localism of Memboles & Cathobits		
028CDW0200	S654 - S647 (TTA No. 04)	42 410		1			20SEP06	2 Sect - Sect (TTA No. 04)	0.04)	
028CDW0300	Construet Gulbas (TTA No. 08)	4 420	0	19AUG06 2	23AUG06 C	09OCT06 12	12002106	6 — V Ocusturet Guilles (TTA No. 05)	(TTANO.08)	
Utility Wart E	Waterman - Danton Child of A No. 045	77	ı			-		Ø		
02501170700	Watermain 1 at Division of The No. 044	_1.		- 1	31AUG06	213EP06 19	190CT06	R- Hatomain - H	Watermain - Replace SWM (TTA No. 04)	
02SCUT0800	Wolermain - Lav FWM Crossing (TTA No. 08)	2 4	3 6	7	Т	Т		Trung Westermain - Le	4	
Standale 10,1014	-10			7	╗		190CT06	ΔV Walermain - L cg	△V Walermain - Lay FWM Crossing (TTA No. 08)	
Frush date 201/Ov Date date 28JAM	VOT C Early Don't 105 V Early Shish point 105 V Early					-	j	Wai Voo (787) cout and	X E	WAIKEE
Project name (P06 Page number 94						J	TD27/03	TD37(03 _ Initial Works Drogramms	TEANED TO	Z
	(CZZ) Progress bar Critical bar						3 = :			
© Primavera Systems, Inc.	Ιì						5	יעמוכט נט בט אמוועמוץ בטטט	ZENS	ZENS
	1								_	_



Act ID	Description	Orig To Dur Fic	Orig Total Percent Dur Float Complete	Early Start	Early Finish	Late Start	Late Finish	2004 E M A M I I J	2006 A S O N D I E M A M 1 J A S
92SCUT0900	Watermain - Lay FWM Crossing (TTA No. 09)	18	150	19000106	90AON50		27NOV05		Watermain - Lay FWIk Crasting (TTA No. 09)
02SCUT1000	Instell Public Lighling Post	80	Pat	0 24NOV08	02DEC06	15DEC06	23DEC:06		My Install Public Lighting Pest
Public Lighting, Duct and Kerb 02SCPX0100 Lay Kerb (TT	Duct and Karb Lay Karb (TTA No O4 & 08)	80	410	0 11SEP06	19SEP06	310CT05	OBNOVD6		// V Lav Kerb (TTA No. 04.8.08)
02SCPK0200	Lay Kerb (TTA No. 09)	9	<u> </u>	0 17NOV06	23NOV06		110EC06		$\mathcal{S}_{\mathcal{S}}$ ( $\mathcal{G}$ Lay Keit (TTA No. 09)
02SCPK0300	Ughling Drawpil & Cable Duck (TTA No 04 & 08)	60	410	0 01SEP06	09SEP06	2000706	280CT06		(IF Lighting Drampil & Cable Duct (TTA No. 04 & 08)
02SCPK0400	Lighling Drawpit & Cabte Duct (TTA No. 09)	10	P91	10NOV08	16NOV06	28NOV06	04DEC06		$\Delta V = \Delta V = 0$ Ughting Drawert & Cabin Duct (TTA No. 09)
Roads and Paving 02SCRP0100	In Formation & Lay Subbase (TTA No. 04 & 08)	12	4fd	0 2035 P06	0300706	BNOVOE	ZZNOV06		A Writh Formalian R Law Subhava (TTA No. 13 A. OS)
02SCRP0200	Road Pavement (TTA No. 04 & 08)	-		0,04OCT08	180CT08		06DEC06		CT Road Pavement (TTA No. 04 8 08)
02SCRP0300	Road Pavement (TTA No. 09)	a	15d	0 24NOV06	OZDECOS	12DEC08	20DEC06		AD Road Pevennent (TTA No. 09)
Road Marking , Tr	refite Sign and Funcing		I						80
02SCRN0200	Apply Hoad Marking	E 2	154	0 04DEC05	06DEC06	21DEC06	23DEC06		A Aprily Road Marking $A$ $A$ Paris Road Marking $A$
02SCRN0300	Install Raung, Fending & etc	_		0 19OCT06	02NOV06		20DEC06		Office of the control
Existing Suf Che	xisting Suf Chaung Street Roundabout					_			B
Public Lighting D 025RPK0100	Buct and Korb Lesting Cross Road Burt FFE No. 051	•	PSE	of 24 triving	Solvi II ec	to accree to	paperage		
OZSRPKOZOD	Leaving Lighting Cross Road Duct (TTA No. DB)			0 13101.06	17.1131.06		Secretes		AT Laying Liphung Great Road Build (TTA No. 05)  AT Laying Laying Court Build (TTA No. 05)
Roads and Paylin									(II rejuit edining class kaad Outs ( ) I M Na. val
02SRRP0100	Demolish Existing Island (TTA No. 05)	8	) P98	15JUN06	ZZIUNGE	25SEP06 (	03OCT06	HATE:	△J Demalts) Existing Island (TTA No. 05)
02SPRP0290	Construct Porpsoed Island (TTA No. 05)	60	9854	29JUN05	08701.06	100CT06	1800706		Q Construct Porpsoed Island (TTA No. 05)
02SRRP0300	Demolish Existing Kerb (TTA No. 06)	2	, peq	117000	12301.06	200CT08 2	210CT08		$\Delta y$ $\overline{R}$ Demoltsh Existing Kerb (TTA No. 06)
025RRP1400	Lny Kerb (TTA No. 05)	8	Bed	0 18JUL06	26,701,06	270CT06 0	06NOV06		AT Lay Kerb (TTA No. OS)
. 02SRRP0500	Demaish Existing Roundebout (TTA No. 07)	8	Peg	03120L06	OBAUGOS	10NOV06	SANOVOG		Demoitsh Existing Roundabout (TTA No. 07)
02SRRP0600	Reconstruct Roundabout (TTA No. 07)			0 09AUG06	17AUG06		28NOV06		(TReconstruct Roundabout (TTA No. 07)
02SPRP0700	Reinstata Road Povement (TTA No. 05)			อรากเวอ	SAJULDS	ı	OSNOVOS		IN Reinstale Road Pavament (TTA No. 05)
02SARP0800	Resurtating Wearing Course	8	ged 0	18AUG06	26AUG06	29NOV06 0	07DEC06		A Resurfacing Wearing Course
028RRA0100	Cults Algh and Peneing Apply Road Marking	2 8		0 11SEP06	12SEP06	22DEC06 2	23DEC06		$\overline{\mathbb{R}}$ Apply Road Marking
02SRRM0200	Erect Signage	12	Bed	0 2841/306	09SEP06	1	21DEC06		A PER of Symbols
02SRR10300	Install Rading, Fending & ele		9ed C	o 28AUGD6	9943860	08DEC08 2	2105006		(Control of Saling, Fending, Fending & etc.)
Existing Ma Liu Shul Bridge	Shul Bridge								, and a second
02EBUT0100	fasial Public Ughting Post	8	214 0	0 30SEP06	10ac7e8	2600706 0	04NOV06		AD Install Public Lighting Post
Printe gaiteg at	Just and Korb	-	jeor	201811100	90 11 11 00	0001021	2001000		
OZEBPKO200	Cobie Duct Leying on Island (TTA No. 08)	_			30AUG06		1600706		ΔΤ Lay Kenb (TTA No. 03) ΔΣ ΛΠ Cable Duret I awar on Island (TTA No. 08)
02EBPK0300	Cabit Duci Laying on Reserve (TTA No. 08)	9	0 P12	02SEP06	OBSEPOG	273EP06 0	9300106		$\omega$ $\Delta G$ cable Duct Laying on Raserve (TTA No. 03)
Roads and Paying	Demolsh Existing Person (CTA No. 03)	12	0 PBC	15 It INDE	28 II INDE	0 90 111 02	90201920		8
02EBRP0200	Demolish Island & Paved Area (TTA No. 03)			15JUN06		Т	15AUG08		رق (الله الله الله الله الله الله الله الل
02EBRP0300	Road Payament (T7A No. 03)	8	404	10JUL06	П	$\overline{}$	02SEP06		Δπν ΔP Road Pewament (TTA No. 03)
02E8RP0400	Construct Roundabout on V-Abutmeni (TTA No. 03)	E	O P62	29.UN06	90"101"80	-1	11AUG08		△ COnstruct Roundsboart on V-Abutment (TTA No. 03)
02EBRP0500	Ramave Pavement at Proposed (stand (TTA No. 08)	4	D P60	19AUG06	234UG06	0400106 0	09CCT06		$\Delta Q$ Remove Pavement al Proposed Island (TTA No. 03)
02EBPP0600	Construct Traffic Island (TTA No. 08)	80	0 P6E	31AUG05	08SEP06	1700706 2	250CT08		Ø Construct Traffic talvard (TTA No. 18)
02EBRP0700	Construct Remaining Roundaboul (TTA No. 08)	12 8	620 0	19AUG06	01SEP06	ZSNOV06 0	OBDECOS		Construct Remaining Roundabout (TTA No. 05)
02EBAP0800	Demolish Existing Central Reserve (TTA No. 08)	12 2	214	0 19AUG06	01SEP06		26SEP06	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	$\sum_{i \in \mathcal{N}} \mathcal{D}_i$ Centring Central Reserve (TTA No. 08)
02EBRP0900	Construct New Central Reserve (TTA No. 06)	18 2	210 0	O OSSEPOS	295EP06	040CT06 2	250CT06		Day C—D Construct New Central Reserve (∏A No. 08)
	Apply Road Moking (TTA No. 03)	÷	404	0 19JUL06	19JUL06	04SEP06 0	043EP06		XX Amily Boost Marking TTTA No 033
02EBR130200	Apply Road Marking (TTA No. 06)	1-	ľ	Τ		1	Z3DEC06		The speciment of the sp
Slari date 10,UN04	904 Eprily ber								





<u> </u>	Description	Dur F	lotal Percent Float Complete	rcent Early nplete Start	ly Early rt Finish	/ Late h Start	Late t Finish	2004	2005 2006 2007
02EBRN0300		12	PBG	ĸ	-	-	-		
02587410400	Install Reiling, Fencing & etc	5	284	0 30SEP06	5 14DCT06	09DEC06	220EC06	<del></del>	المالية
Car Park and Access Road	Access Road								B
02CPDW1200	S682 - Exising Culvert	21	169d	0 25JAN05	21FEB06	18AUG06	115EP06		/VSS37 - Existing Culvar
02CPDW1300	CP632 - S684	16	1694	0 22FEB06	111/14/206	128EP06	293EP06	·	1 CD-023 - 2884
02CPUT0500	install Public Lighling Posi	10)	1874	0 OBMAY06	16MAY06	160EC05	25DEC06		AT Install Public Liceling Post
Public Lighilng 02CPPK0100	g, Duckand Kera Construct Dwarf Wall	23	1594	D 13MAROS	CAAGGG	200000	-		
OZCPPK0200	Lay Kerb		169d	0 27APR06		15NOWS		·	A — V Construct Oward Wall
02CPPK03C0	Public Lighting Controller	2	2000	0 TOAPROS		0SDEC08	$\neg$		CAN CASE LANGE OF A CASE LANGE LANGE OF A CASE
OZCPPKO400	Lighting Drawpit & Gable Ducl	15	169d	0 10APR06	1	2800706			CLP France Upping Controller  CLP Upping Chevelt & Cable Duct
Roads and Paying 02CPRP0100	Unit Trim Formation & Ley Subbase		P2.2.1	ninguavne	15hlovos	9013030	1205500		
02CPRP0200	Road Pevement		1776	0 17MAY06		14DEC06			A Y Trith Formation & Lay Sutbase
02CPRP0300	Construct Featpoils	82	1694	Q QBMAYGE		25NOV06	- 1		CD Comment Comment
Road Marking	Road Marking , Traffic Sign and Faneing								unistance Leadings
02CPRM0 100	Apply Road Marking		169d	0 08JUN06		23DEC06			夏 Apply Road Marking
02CPRM0200	រូវនេះព ហ៊ុស្វារាងភ្លូច	- 1	169d	0 29MAY06		18DEC08		·-	AD End Signage
GZCPRM0300	Instell Raiung, Fancing & etc	9	1594	0 29MAY08	957UNDS	1605006	22DEC06		Ø Prastal Rosing, Fencing & etc
Amenity Area Prainage Works									B
02AMDW0100	Construct U-Channets	10	195d	0 15APR06	06MAY08	050500	2SDEC06		<u> </u>
024NUT0100	Water Point WP 3-3 to Water Meter No. 1	81	PE2	0 25AUG05	14SEP06	21NOV06	1105046		7.70
02AMUT0200	Weter Point WP2-3 to Water Meter No.2		104d	0 04AUG06		0655506	$\neg$		C → Weign Fourth With 3 to Walter No. 1 C → Weign Fourth With 3 to Walter No. 1
92AMIUT0300	Water Point WP3-5 to Water Meter No.3	28	1574	0 22MAY08	21JUN05	25NOV06	25DEC08	-	LLAN VEGET FOUR NY CALL TO VIGUE NOISE NY CALL TO VIGUE NA CALL TO VIGUE NOISE NY CALL TO VIGUE NA CALL TO VIGIE NA CALL TO VIGUE NA CALL TO VIGIE NA CALL TO VIGUE NA CALL TO VIGUE NA CALL TO VIGUE NA CALL TO
02AMUT0400	Water Point WPB-2 to Water Mater No.8	23	734	0 15SEP06	288EP06	12DEC06	2505006		A White Pank Vollage Ander And
Section 3	hund								<u>753</u>
Pump House Construction	naturetion								
03MSPH0100	Construct Base Slab	8	PSC	0 17SEP05	27SEP05	OSNOVOS	14NOV05	-	Z.V Construct Base Stab
03MSPH0200	Construct Walt upto Barrel Base Slab	83	394	0 28SEP05	отостоя	15NOVD5	23NOVDS		ΔΣ ΔT Construct Walt uplo Barrof Base Stab
03MSPH0350	Construct Well up to Top Stab	12	394	0 310CT85	12NDV05	15DEC05	28DEC05		SV Construct Wall up to Top Stab
03MSPH0400	Construct Top Stab	12	384	0 28NOV05		12JAN05	25JAN06		CAT Construct Top Stab
03IASPH0500	install Helsting Beam	B	394	0 21NOV05	26NOV05	OSJANDE	11JAN06		(A) Institute Beam
03145580100	Excavalion	33	笼	1340505	163EP05	31AUG05	050CT05		1 Thursday
03MSSB0200	Construct Subway #1 Base Slab	6	16d.	0 31AUG05	09SEP05	203EP05			6—————————————————————————————————————
03MSSB0300	Construct Subway #2 Base Stab	60	496	0 105EP05	21SEP05	10NOV0S	19NOV05		CV Construct Subway 42 Base Sie
03MSSB0400	Construct Subwey #3 Base Stab	6	49d	0 22SEP05	9300705	21NOV05	30NOV05		A C Construct Stehney 23 Stab
03/ASSB0500	Construct Subway #1 Bese Stab	2	Peg	01700765	29OCT05	0105005	14DEC05		ΔT Construct Subway #4 Base Steb
031.15580600	Construct Subrasy #1 Wall + Top Sleb	21	PS9	0 10SEP05	24SEP05	17NOV05	30NOV05		LTV Committees Subveys 91 Wall + Too Sinb
03148880700	Construct Subway #2 Wall + Top Stab	12	514	0 14NOV05	26NOV05	12JAN06	ZSJANOG		CD Construct Subvivary #2 Weat + for Stab
03NtSSB0600	Construct Subway #3 Wall + Top Slab	12	494	0 0400705	18DCT05	01DEC05	14DEC05		A Control Subview 23 West + Too Stab
03MSS80900	Continuet Subway #4 Wall + Top Stab	22	51d	0 310CT05	12NOV05	29DEC05	\$1.2AND6	• • • • • • • • • • • • • • • • • • •	CT Construct Subway # Mall + Top Slab
0331SSB1000	_	18	384	0 12DEC05	31DEC05	26JAN06	17FE806		CT Beskiling
03MSSE0100	mp Construction Exervation								
03MSSE020D		2 2	150	0 31AUG05	2400705	178EP05	TONOVOS		Extraolon S S S S S S S S S S S S S S S S S S S
OSMSSEGGO	Construct E2 Ramp 8ase Stab		416	0 2000105	UZNOVOS	1606505	22DEC05		
						VIUEN	Janewa Janewa		$\int_{\mathcal{R}}^{J}$ Constitut E2 Ramp Base Slab



	Act ID 03MSSE0400	Description Construct E3 Ramp Base Slab	Orig Dur	Fotal Pe Float Col	Total Percent Early Float Complete Start 6 270 0 27000705		ly Late sh Start s zenovos	e Late rt Finish ss ospecos	te 2004 2004 M J A S O N D	2005 2 J F M A M J J A S	2006 ONDJFMAMJJASONDJ GVConstruct E3 Ramp Base Slab	2007 F M A M J A S O N D
	0050	Construct E4 Remp Bese Slab	9	27d	0 2000				SQ.		(IV Construct E4 Ramp Base Stob	
	0800	Construct E5 Remp Bose Slab	9	P/2	0 1300				95		AP Construct ES Ramp Base Stab	
	0020	Construct E5 Ramp Base Slab	ú	27d	00200	[			105		AV Construct E6 Ramp Base Stab	
Control Cont	0800	Construct E7 Ramp Base Stab	w (	P	0 2786		$\neg$		202		A.V. Construct E.Y. Remp Base Stab Of Construct ER Barna Research	
Control Cont	9050	Construct to Kemp Base Stab	، م	D. 12	o case	Т	7	Т	20 4		J Constitut Co many Date and If Continue FO Barry Back Slab	
Continue to teach and the continue to teac		Construct Est Remp base Stab	•	E 5	20200			$\neg$	S 8		Construct E10 Ramp Base Steb	
	1200	Construct E 11 Ramp Base Slab	00	310	0 295				90	-	以 仏J Consluvel E 11 Ramp Base Slab	
	1300	Construct E12 Remp Base Stab	6	31d.	0 1000			$\neg$	90.		$\Delta T_{\rm c}$ Construct E12 Ramp Base Stab	
	1400	Construct E1 Ramp Walls	6	P61	0 010			1	50		Construct E1 Ramp Wells	
	1500	Construct E2 Ramp Wells	6	194	O ZZNC	1			90		AV Construct E2 Remp Walls	
	909	Construct E3 Ramp Walts	6	P61	D 12NC		Г		50		ALP Construct E3 Ramp Walls	
	700	Construct E4 Ramp Walts	80	15d	0 24NC		Г	1	90		Donstruct E4 Ramp Walls	
Particle	1800	Construct E5 Ramp Walls	-	P\$2	ONS1 0	1	Π	T			Construct ES Ramp Walls	
	1900	Construct EG Remp Welts	80	.PSI	DIOENC			ł	92		$ ilde{L}^{\mathcal{Y}}_{\mathcal{D}}$ Construct E6 Ramp Walls	
	2000	Construct ET Ramp Walls	2	P\$1	0 2500				705		Construct E7 Remp Wells	
1	2 500	Construct E8 Ramp Walts	10	154	0 1300				0.2		△ Construct E8 Ramp Walls なな	
Part	52200	Canstruct E9 Ramp Walls	5	15d	0 29SE				90		Construct E9 Romp Walls	
1	2300	Construct £10 Ramp Walls	0	194	0) (300			1	002		(T) Construct E10 Ramp Walls	
Participation   Participatio	2400	Construct E11 Romp Walfs	60	P61	0 2500		_		102		△☐ Construct E11 Ramp Wells	
1	2500	Construct €12 Remp Walts	•	13d	DNEO	コ			202		A Construct E12 Ramp Walls	
State   Control Part   Control Par	2600	Backfiling	29	P5.	3GE0 0			1	90		A Packflung	
	2700	Install Roof Steel Posts	6	PZ6	0 270				de		A Install Roof Sleet Posts	
Part	2800	Construct Roof Stab E6, E8	5	929	AL71				0.0		Construct Roof Slab E6, E8	
Part	2900	Consticut Roof Stab E5, E7	12	959	0 02FE				8		Constrait Roof Stab E5, E7	
	3000	Construct Roof Stab E4, E9	12	959	0 16FE	- 1			g		Construct Roof Slab E4, E9	
	3100	Construct Roof Stab 53, E10	12	P26	0 02M				90		△ Construct Roof Stab E3, €10	
1   100	3200	Construct Roof Slab E2, E11	42	929	0 1588				92		( Construct Roof Slab E2, E11	
	3300	Construct Raof Stab E1, €12	12	926	0 30%				:06		Construct Roof Slab E1, E12	
The control of the part and the control of the part and	7651 RDp 10100	p Construction Excavation (Western Rump)	17	494	0 2500				9		American (Wastern Ramp)	
The control of the	9500	Construct W1 Borne Base Stab	1	25	1000	T		-1-			7 Construct W1 Ramp Base Steb	
The control of the pass table   1   10   200000000   10   10   10   200000000   10   1	0300	Construct W2 Ramp Base Stab	- 60	PEZ	0030	Т	Т	1			A Construct W2 Ramp Base Stab	
Control of the Care   East   Control of the Care   Care   Control of the Care   Control of the Care	0400	Construct W3 Ramp Base Stab	-   -	- P1Z	O 24NC	1					AV Construct W3 Rams Base Sigh	
Control Wiles   Control Wile	0800	Construct W4 Ramo Base Slab	· a	2 98	ONSI O				3 4		Vocative Wa Rann Bate Silab	
Second color	0600	Construct WS Romp Bree Stab	•	P67	ONSO				: %		O'Donelmer WE Barn Base Sich	
10   10   10   10   10   10   10   10	0700	Construct We Ramp Base Slab	, 6	2 P64	ONSTRO	_	_		, <u>s</u>		And Construct Will Rama Bate Stab	
March Virgory Wash   10   356   0   524A056   57EEB06	0800	Construct W7 Ramo Base Slab			O SANC	Т		П.,	: K	-	A Constant W. Barn State	
Control VR Raw Works   10   356   0   244Nes   274Nes	0060	Construct W1 Ramp Walls	2	354	0 09FE	Т	Т	$\neg$	9		Construct W1 Ramp Walls	
1	1000	Construct WZ Remp Wells	2	354	0 26.1A	Т	Τ	Т	90		ATV Construct W2 Remp Wells	
State   Continue We Ramp Wate   19   354   0   034 ANGS   15FEB06   257EB06   257EB06   257EB06   257EB06   257ANGS   257ANG	1100	Construct W3 Ramp Walls	2	354	0 143A	Ţ	T	Τ.	36		A Construct W3 Ramp Waits	
Standard Wile   Standard   Stan	71200	Construct W4 Ramp Walls	2	354	0 03.14			Т			620 A.V. Construct W4 Ramp Wells	
Constituted We Ramp Walls	71300	Construct W5 Ramp Walls	50	35d	0 10DE				2		Construct W5 Ramp Wells	
A construct W7 Ramp Wests    10   436   09EEB06   22MAN06   22MAN0	11400	Construct W6 Ramp Walls	8	45d	0,03.14				90		(	
A simple of the contract of th	1500	Construct W7 Ramp Wats	5	45d	0 26JA			1	92		CX /V Construct W7 Remp Wells	
A service of the control of the cont	1600	Backfilling	8	35di	0 21FE	T			2		CCO	
Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  TP37/03 - Initial Works Programme  Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  TP37/03 - Initial Works Programme	1700	Inital Roof Posts	2	Pos	O TENA	T		$\neg$	g		Stand Book Book	
Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme		11.	-	-		71	71	- 1 1			<u> </u>	
Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  TP37/03 - Initial Works Programme  Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  Leader - Wai Kee (C&T) Joint Venture  TP37/03 - Initial Works Programme  T	ZONOZ	. .										
TP37/03 - Initial Works Programme  TP37/03 - Initial Works Programme  Updated to 28 January 2005	ZBJAR	15 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						Lea	nder - Wai Kee (C&T)	) Joint Venture	7	<b>』</b> [
Consideration point (Consideration point (Considera	12A	V togelinish point						广		3 Programme	**	( reader
Start milestone point		Criteral bar							Undated to 28 Jan	1ary 2005		
,	S. Carlette	1.								adi y 2000		ZENS





Act	Description	Orig	Orig Total Percent Dur Float Complete	ent Early plete Start	ly Early rt Finish	y Late h Start	e Late t Finish	2004 S O N D	2005 2006 2006 2007 2007 2007 2007 2007 2008 2008 2008
03fASSW#800	Construct Roof Stab W4	21	P05	0 07APR06					C Constant Roal Stee W4
03MSSW1900	Construct Roof Steb W3, W5	21	SDd	0 21APR06			_	la de la companya de	Д Construct Rod State W3
03MSSW2000	Construct Roof Slab W2, W6	12	POS	O DEMAYOR	П		1910106	100	Construct Roof Stab WZ, W6
034857/2100	Construct Roof Slab W1, W7	12	50d	0 20MAY05	s qajunde	ZOJULGE	5 02AUG05	; 	CA Construct Reaf Stab WI, W7
Pumping and Dra 03thSP00100	alnoge System Pumping System installation	30	198d	0 21F5B06	1 27KAR06	160000	5 201/00/06	9	A Pumping System Installetion
03MSPD0200	Oralnaga System Installation	R	504	0 05JUNDE	П	03AUG06	6 25AUG06		CT Chainage System Installation
Miscollangous works 03LSRW0100 M	OKK. Miscelfaneous Metal Works	*	26d	0 21SEP06	190CT06	ZBNOV06	5 250506		A Weedlanents Ma lai Worke
Finishing Works	_		<u> </u>	_					EVOLUTION OF THE TRANSPORTED AT
03/45/5/0100		<b>52</b>	Pos	0 28JUNOS		26AUG06		Ī <sub>i</sub> a	Finishing Wake of Barel
03MSFW0200	Finishing Works at East Ramp	75	20d	0 27JULOS		23SEP06	l	Q	Flishing Works al East Ramp
03MSFW0300	Finishing Works at West Ramp	24	503	0 24AUG06	5 20SEP06	2300706	6 20NOV06	و	A Pintshing Works al Worl Ramp
2 5 M WORKS 03115EM0100	Electrical Installation al Barrel & Pump House	82	P96	o]synntoe	234UG06	21NOV06	5 18DEC06	م ا	(
03/48E/40200	Electrical fristallation at East Ramp	2	746	0 24AUG06	S 20SEP06	21NOV06		l <sub>10</sub>	C
O3MSEM0300	Electrical installation at Weal Ramp	24	POS	0/21SEP06	190CT06	ZINOVOE	9008081	T <sub>E</sub>	Evertical Installation of West Romp
Tosting and Core 035/STC0100	Pumbing Stystem & Electrical Installation	Ю	P05	0 2000108	3 Z60CT06	1905006	5 250EC06		AR Burning Statems & Electrical Industrial
Loading and Unicading Area	loading Area		- 12			T.,	- 1		Indiana in the state of the sta
Prolongo Works 03LUDW0100	Decide Location of Manholes & Calcholic	Ī	2134	17818205	13811005	SABBASC	25,000,000		Wanted to control of the best
03F/DW02G0	F302 · F306	7	354	0 19MaY06	T	1	ĺ	, T	The decrease of the same statement of the sa
03ГПОМОЗО0	Trial Pit for F306 - F306A	õ	P222	0 13AUG05	1		1	<b>T</b>	90 C2 - 90 C2
OBLUDWARDS	F306 - F306A	Ξ	577d	0 07NOV05	18NOV05	93.0CT06	150CT06	T <sub>16</sub>	A27 F208 - F206A
d3tUDW050a	F306 - F306A (TTA No 09)	=	194	9013061 0	OINDVDE	11NOV06	53NOV06	T <sub>m</sub>	637 677 F306 - F336A (TTA No. 09)
03FnDW0800	F305A - Existing Sewer Manhole	21	2778	0 19NOV05	1305.005	1700706	5 10NOV06	Ī,	
03LUDW0700	\$712 - \$622	21	384	0 16MAR06	10APR06	27APR06	3 22MAY05	Ī,,	2382 - 5172 - 5822
0310000000	\$617 - \$618	11	35d	0 11APROS	Г	23MAY06			8195 - 2195
031000000	\$676 - \$624	21	35d	0 24APR06	_	00/UN08	_	<u></u>	2816 - 5524
03LUDW1000	\$678 - \$623 (TTA no. 04)	Ж	28d	O 20JUNO6	П	28AUG06		<u>.</u>	
03LUDW1100	5713 - 9634	12	354	0 ZOJUNOS	14JUL06	01AUG08	3 244UG06	•	453 - 51/3 - 5534
03LUUT0100	CLP - Laying LV Cable	v	PSC	0 1641/306	23AUG06	28SEP06	03CCT06		AV CLP - Leying LV Gobie
03LUUT0200	CLP - Construct Pilar Box	S	P651	0 15NAR06	ľ	22SEP06	1	7	AD CLP - Construct Pittan Box
031.UUT0300	Instell Pokka Lighting Post	80	26d	0 15NOV08	24NOVD6	150200	25DEC06		to a goldon ollowing Tool of the stand Post
i i	Construct Dward Wall	<u>B</u>	356	0 ZOJUNGS	17AUG06	OTAUGOS	273EP06		A Construct Owner Woll
03LUPK0200	Construct Dwarf Wall (TTA No 04)	4	Pas	0 Z*JULDG	27.1112.06	27SEP06	030CT06	T."	QV Construct Down (TIA No. 04)
03LUPK6300	Ley Kerb (TTA No 04)	12	PSC	0 14SEP06		260CT06	BOVOVE	T.,	CP Lay Kerb (TTA No. 04)
93LUPK6400	Lay Kerb (TTA No 09)	9	194	DONONGO O	15NOV06	01DEC06	970508		D Lay Karb (TTA No. 03)
03LUPK0500	Lighting Drawpil & Cable Duci (TTA No. 04)	ē	350	0 24AUG06		040CT06			A Ughling Dravipil & Cable Oxel (TTA No. 04)
USLUPKO600	Lighling Crawpit & Cable Duct (TTA No. 09)	9	19d	D 02NOV06	DBNOVOE	24NOV06	30NOV06		ΔV Lighting Drewpil & Cable Buct (TTA No. 09)
031,URP0100	Trin Formetion & Lay Subbase (TTA No. 09)	80	P61	0 11/10/06	20NOV06	04DEC08	12DEC06		AT Trin Formation & Lay Subbase (TTA No. 09)
0310200	Road Pevement (TTA No. 09)	80	194	0 21NOV06	29NOV06	130EC06	2105.06		A Presed Paventreni (TTA No. Gs)
03LURP0300	Construct Foolpath (TTA No 04)	24	350	0 28SEP06	26OCT06	10NOV06	1		Construct Feetpath (TTA No. 04)
03LUPP0400	Construct Foolpath (TTA, No. 09)	10	194	0 16NOV05	22NOV06	03DEC08	14DEC08		(IV Construct Feolpath (TTA, No 09)
03LURM0100	pute Nightand sonelon Apply Road Marking	2	19d	OBONOVOE	015606	22DEC06	2302506		M. Anniu Stade Markins
03LURIMO200	Erect Skinage	9	Pet	0 Zanovos	1	15DEC08		ì	Arraman manuscript
03E0HW0300	Install Ralling, Fencing & etc	19	199	0 23NOV06	1	1505006		_	Ø Instal Rading. Fencing & etc
Slari dale 10JUN	104 Early bar								

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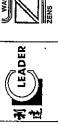
Act 1D	Description	Orig Tot Dur Flo	Orig Total Percent Dur Float Complete	Early Start	Early Finish	Late Start	Late Finish	2004 2005	2 2005 2005 2005 2005 2006 2005 2006 2007 2
Amenity Area	· 超級 1.100 基础标准 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.20			32.0	4 1 M 1	3	- No. 14	2	A CO S A
03AMDW0160	Construct U-Channels	2 98	0 PEŁ	0 18AUG06	28SEP08	14NOV06	25DEC06		Construct U-Channels
Utility Works 03AMUT0100	Water Point Wet-2 to Water Meter No.3	181	2 PE9	o 25AUG06	12SEP05	SOVOKEO	27100/05		Comments of the control of the contr
OBAMUTOZOO	Water Point WPS-2 to Water Meter No.5	1		- 1	Z3SEP06		OBDECOS		Ly water Point WP-4-z to Water Mariar Ko.s.  LY Water Point WP-5-2 to Water Ma.5
03AMUT0300	Water Point WPG-2 to Water Mater No.5	<u>1</u>	630 0	0 259EP06	110CT06	1	25DEC06		CV A_Water Point WPB-2 to Water No.6
Section 4 Public Tollet No	1.2								
Foundation Construction 04PTFC0100 Excavati	Stratelon Excavation to Formation Lavel	9	154	ofzaAugos	0355905	1585905	22SFP05	24	Versuelinin le Romerton I and
04P7FC0200	Subsoul Inspection by Structural Engineer			}	05SEP05	- 1	23SEP05	. 18 X	III monacioni se unimposi usesi III septembro del seguino del segu
04PTFC0300	Blinding	-	154 0		06SEP05	1	24SEP05	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	점 및 Binding
04PTFC0:00	Steel Fixing for Footing	9	15d 0	O 07SEP05	13SEP05	Z6SEPOS 0	03OCT05	₽ D	$\Delta \mathcal{L}$ Stwal Foling for Fooling
04PTFC0500	Formwork	+	150 0	14SEP05	175EP05	04OCT05 0	07000105		GS Tg Formwork
04PTFC0500	Concreting	=	0 PS1	20SEP05	20SEP05	080CT05 0	080CT05		
04PTFC0700	Steel Fixing for Walls & Columns	P.	15d 0		23SEP05	100CT05 1	130CT05		Steel Floring for Walls & Columns
0427#50800	Formwork	4	150	24SEP05	288EP05	14OCT05 1	18OCT05	7	D. Formwork
04PTFC0900	Concreting	-	1Sd	29SEP05	298EP05	1900305 1	19OCT05		չ Հուրանին Մշուրանին
04PTFC1000	Remove Formwork	8 15	15d	O 30SEPOS	070CT05	2000705	26OCT05		а ДД Явлюче Formwork
04PTFC1100	1	12 15	0 P51	0 0900705	220CT05	27.DCT05 0	CONOVOS		Backilling
Ground Floor Sla	ab Construction					•			D.W.
0441 640	7	9		ı	2800705		16NOV05		D Elect Propping & Formwork $S$
04PTGF0200	Ground Slab Sleet Fixing		0		02NOV05		19NOV05		AR Ground Stab Steef Flaing
04F1GF0300	- or mwork	2 (5			DANOVOS	21NOV05 2	22NOV05	<del></del>	II Farmwark B
04PTGF0400	Concreting	-			SOACHSO	23NOV05 2	23NOV05	•	III Concreting       III
04PTGF0500	Erect Scelfolding	3 15	٥		OBNOVOS	24NDV05 2	26NOV05		The Erect Scattoding
04PTGF0600	Walls & Columns Formwork	31			12NOV05		SONONOS		II Walls & Columns Formwork
04PTGF0700	Steel Fixing for Wells & Columns	3		0 14NOV05	16NOV05	01DECOS 0	03DEC05		II Steat Frang for Walls & Columns
04PTGF0800	Formwork	3 15		0 17NOV05	19NOV05	0505005 0	07DEC05		II Formwork
04PTGF0900	Conceting	-	0 P51	Т	21NOV05	0805005 0	08DEC05	-	IX Concreing
04PTGF1000	Remaye Fammork & Propping	12 15	150 0	0 30NOV05	130EC05	17DEC05 3	30DEC05		ሊያ ተርያ Remove Formwork ል Propping
Mazzanino Floor S 04PTAEG 100	Siab Construction Erect Property & Formwork	e S	6	1405006	3000000	902010	Service .		
04PTAF0200	Mezzanine Stab Steel Finding			Т			TOTANGE		TO STATE AND THE
04PTMF0300	Formvork	2 15				7	12JAN06	-	Д Вентинос В Вентинос
04PTL1F0400	Concreting	1 15d		0 27DEC05	27DEC05	13JAND6 1:	13JAN06		78 Conception
03PTIMF0500	Walls & Columns Formwark	E 15	154	2005005	30DEC05	7	17.JAN06		五 Wals & Columns Formwork
04PTMF0600	Steet Fixing for Wate & Columns	3 15d	-	31DEC05	03JAN06	18JAN06 20	ZOJANDS		Ø Ø 8ee Fixing for Walls & Columns
04PTMF0700	Farmuoik	3 154		0 04JANDS	06,141/06	21.JAN06 24	24JAN06		Ø Formwork
04271460800	Contresing	- 15d		0 07JAN06 C	07.1AN05	25JAN06 25	2SJANDE		R Concelling
04PTMF0900	Ramove Formwork & Propping	12 154		0 17JAN06 0	01FEB06	06FEB06 16	16FEB08		Z. AT Remove Formwork & Propping
Upper Mazanino F	Floor Stab Construction								659
04PTUF0200	Upper Nezzanipe Sinh Steel France	o c		O OZFEBOG O	08FE805	20FEB06 25	25FEB06		ΔV Erect Propping & Formwork SS
000001122000	Blow 13300 mm accommunity		2				IMAROF		$\overline{M}$ Upper Mezzanine Slab Sleef Fixing $S$
04771070300	romwark	2 154	0	П		1	03IAAR05		ZF formwark
COLUMN TO THE PERSON TO THE PE	Concreting						D4NAROS		M. Controling
9176 TT Stanton	Remove Formwork & Propping	154		0 24FEB06   D	DSMAROS	14MAR06 27	27MARU6		Ly Ramore Formwork & Propoling
04PTSS0100 Prep	Prepara & Submit Shop Orawings	30 244		O OZMAYOS O	04JUN25	30MAY05 05	SOULOS	Surphy Gravinas	
OMP7SS0200	Engineer Approval of Shop Drawings						19JUL05	ATT Control Shop Drewings	val of Shap Drewings
						1	-	<u> </u>	



wai kee



<b>Q</b>	Description		fotal Percent Float Complete	cent Early iplete Start	Early Finish	Start	Late Finish	2005 2004 2005 2005 2006 304 1 A S O N D 1 E M A M 1 1 A S O N D 1 E M A M 1 1 A S O N D 1 E M A M 1 A S O N D 1 E M 1 A S O	2007
04PTSS0300	Procurement of Structural Steel		240	0 21JUNDS	11NOV05	SOULDS	5003060	Procurement of Stroctural Sleet	
04PTSS0400	Delivery of Structural Steet Materials	5	240	0 12NOV05	25NOV05	100EC05	23DEC05	 	
04PTSS0500	Inspection & Testing	6	24d	0 ZENOVOS	1605.005	2405005	13.JAN06	grand 1 Testing	
04PTSS0500	Febrication & Panting of Steetwarks	L	240	0 1705005	13FEB06	14JAND6	13MAR06	A Pebricolin & Painting of Stoerworks	Sterhvorks
0421350700	Delivery of Prefabricated Stechnorks	21	24d	0 14FEB06	27FEB06	14MAR05	27MAR06	AT Dalivery of Prefabricated Steetworks	rd Sleetworks
04PTSS0800	Erection of Steelworks	96	150	0 toMAR06	21APR06	28MAR05	10MAY06	Erection of Steekwarks	aetvorks
04PTSS0900		12	P51	0 22APR05	OGMAYDS	11MAY05	24MAY06	Columbia to Painling	Painling
Archilectural Bulk							-	73	
04PTAB0100	_	$\perp$	150	0 овмачов	19JUN08	25MAY06			Solid Concrete Block Work Wall
04PTAB0200	internat Wali Tile	57	15d	0 20JUNDS	18,121.06	OSJULOS	04AUG05		Internal Wall Tite
04PTAB0300	External Well Tite	2	154	0 12JULO6	08AUG06	29,01.06	25AUG06		V External Wall Tile
04PTAB0400	Foliat Accessories Installation	Z	至	0 09AUG05	05SEP06	26AUG06	22SEP06		A Toilat Accessories Installation
04PTAB0500	Ploor Tits	24	PSt	0 30AUG06	26SEP06	16SEP06	14OCT06		A Floor 73e
04PTAE0500	Roof Cladding	52	15d	0 20JUN06	18301.08	9070780	04AUG06	<u> </u>	C Roof Cladding
Plumbing Works	7							L)	
0421420100	Plumbing Warks	24	154	0 20SEP06	180¢T06	9900768	DBNOVOS		A Plumbing Works
04PTEA:0:00	Electrical & Machanical Inclaffations	48	PSI	0 120cT06	0705006	Jasocrae	2505005		
Section 5									Z Elecurcal & Mechanical installations
Road L4									
Unitable Vers	S   Decide Exect Location of Manheles & Calchoffs	•		4 200 13 04 04 0	20111102	4 70 11 00	4 70 11 00		
05RLDW0200		28	-21d	80 10SFP04 A	7	10SEP04 A 22.60ND	22.60NDE	Statement Language Control of Con	
05FLDW0300	S407 - S407A (2x2500)		29.	4 30 NO 12 10 NO 12 NO 1		02 (04)00	SOLONIO CO		
OSRLDWoldo	Sewereae to F404 (in Zone ZO)		12.	O POGESON OF	$\neg$	T POLITICA	CONSTRUCTO	innext - inn	
0581 0400500	Secretary of Add (in Zone 20)	$\perp$	 	1		1035104	CONCAC	77777777777777777777777777777777777777	
000000000000000000000000000000000000000	coverage to race (in 2004 20)	_	136	70 16DECO4 A	- í	160EC04 A	23FEB05	A	
02HCDW0800	F405 - F404		848d	0 28JAN05	23FEB05	14NOV07	05DEC07	Ų	
05RLDW0700	SL4-022a - \$413		648d	0 Z4FEB05	14MAR05	07DEC07		( T) S14-022a- 8413	
05RLDW0800	8L4-019a - SL4-017a	23	<b>B</b>	30 16JAN05 A	18FEB05	18JAN05 A	25FEB05	KI4-019a - SI4-017a	
05RLDW0960	Petrol Intercepter - SL017a	Ð	3	O 19FEB05	093/AR05	26FEB05	16MAR05	Δ_V Petro) Interceptor - SL017a	
OSRLDW1000	CPe4 - SL4 - 009a	16	2	O 19FEB05	09MAR05	26FE805	16MAR05	AT CPM - SL4 - 0099	
05RLDW1100	8408 - \$407 (1800)	. 12	P	5 28JAN05 A	23FEB05	28JAN05 A	18FEB05	C408 - 8407 (1600)	
05RLDW1200	SL4-010a - S407	22	-154	0 21MAR05	05APR05	OBMAROS	18MAR05	Am 81.4-010a - 8407	
05RLDW1300	S410 - S407 (1800)	12	-219	0 21FEB05	OSMAROS	24JANDS	OSFEBOS	(091) LONS - 0176 AD	
05RtDW1400	St.2-0118 - 5410	12.	-21d	0 07MAR05	19MAR05	07FEB05	23FEB05	A SLA-0110-5410	
05RLDW1500	CPa5 - S408	8	P <del>y</del>	0 24FEB05	18MAR05	19FEB05	14MAR05	CP-65 - 54/08	
05RLCvv1600	CPaß - S408	10	P	0 24FEB05	07MAR05	19FEB05	02MAR05	CP-00-5408	
05RLDW1700	Existing Drain - S413 (2x2500)	33 10	1000	BD 22NOV04 A	04FEB0S	22NOV04 A	GONTINGO	127777 V Exaling Drein - 8413 (2x2500)	
05RLDW1800	SL4-025a - S412a	81	P001	0 05FEB05	DIMAROS	07.JUN05	28JUN05	1 314-0258 - 54128	
05RLDW1900	Semerage (in Zone ZP)	18 4	47d	0 07APR05	27APR05	PLUNOS	22JUN05	A Sewaraga (In Zone ZP)	
05RLDW2000	\$L4-017a - \$412a	18	474	0 28APR0S	18MAY05	ZZYUNOS	14JUL05	5-30 SA 4017a - 5412a	
05RLDW2100	Terminal Manhole - Sewerage System	12 10	P001	0 OZMAROS	15kAR05	29JUN05	13/11/05	A V Temmes Manhole - Sewerage System	
059LDW2200	St4-007e - SL4-001b	Ç 7	P001	0 16MAR0S	DENTAYOR	14JUL05	30411305	Z. Z	
05RLDW2200	CPa1 - SL4-015a	16 4	P.19	0 15MAY05	SONOLDO	15JUL05	02AUG05	CT CPal - St.4-015a	
05RLDW2400	300UC - CPa2	8	P24	0 07JUN05	16JUN05	9340305	11AUG05	CT 300UC - CPa2	
05RLDW2500	375UG - CPa3	80	P.L.	0 17JUN05	25JUN05	12AUG05	20AUG05	Δ∇ ΔΓ378UC - CPa3	
05RLDW2600	375UC - CP64	8	47d	0 27JUN05	06JUL05	22AUG05	30AUG05	D 315UC - CP∞	
05RLDW2700	375UG - CP85	8	474	O DYJULOS	15JUL05	31AUG05	OBSEPOS	550 AP 375uc - CP45	
05RLDW2800	375UG - CPa8	4	47d	0 16JUL05	ZOJULOS	09SEP05	13SEP05	ΔΣ 	
03FLDW2900	Demotish Existing 525 & 1050 Drainpipe	30	47d	0 21,00.05	24AUG05	14SEP05	21DCT05	So A 1050 Ovalnope	
Start date 10.010/07 Finish date 201/00/07 Date date 28.1ANO5	1404 Early ber 17007 & Early start point 1705 V Early frish point 1705 V Early frish point 1705 V				<u> </u> 	_	1 0	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Project name 1705						_	-eauei	Leader - Vvar Kee (C&I) Joint Venture	WAI KEE



Act ID	Description	Orig Dur	Orig Total Percent Dur Float Complete	rcent Early nplete Start	ly Early rt Finish	ly Late ish Start	Late t Finish	2004	2005 2006
OSRLDW3000	SL4-007c - 8406	12	P001		-				A S C A S C
05RLUT0100	Walermain - Ley Fresh Main (in Zona ZO)	30	15d	0 21MAR05	5 25APR05	5 CHARROS	5 07APR05		/ Wokamain - Lay Fresh Main (in Zone ZO)
0SRLUT0200	Watermain - Lay Sall Main (In Zone 2Q)	SE .	-15d	0 26APR05	5 30MAY05	5 08APR05	5 12MAY05	ıh	Watermain - Ley Sell Main (in Zone 20)
GSRLUT0300	Watermain - Luy Fresh Main (in Zone 2P)	92	-136	0 31NAY05	5 21JUN05	5 15NAYOS	5 04JUN05		COMP. Welemain - Lay Fresh Wain (in Zone ZP)
05RLUT0400	Weterman - Lay Sail Main (in Zone P)	0;	138	0 22JUN05		S DEJUNOS			(In Watermain - Ley Salt Main (in Zone P)
-05RLUT0500	CLP - Lay 11kV Cable (South)	84	-21d	0 21MAR05	5 162.0AY05	5 24FEB05	5 21APR05		CLP - Lay 1 HAV Cable (South)
05RLUT0600	CLP - Lay 11kV Cable (North)	36	-15d	50NULTO 0	3 20101.05	S 20NAYDS	5 ozuuros		GLP - Lay 11aV Cable (Nerth)
05RLUT0700	HGC - Lay Cable (South)	82	-21d	0 038/4/05	5 23MAY05	5 08APR05	5 28APR05	<u> </u>	ATT HGC - Lay Cabb (South)
0581,010800	HGC - Lay Cable (North)	18	PS1.	0 0270105	27JUL05	18JUN05	507/T/60 S		MIN H3C - Lay Cable (North)
05RLUT0810	WM - Lay Cross Road Duel (South)	12	·21d	0 24NAY05	5 06JUN05	5 29APR05	5 12MAY05	· ·	Off (With - Lay Orass Road Ovel (South)
05RLUT0820	NWT - Lay Gross Road Duct (North)	9	20	0 ZBJULGS	03AUG05	5 03AUG05	5 09AUG05		AD WAT - Lay Cross Read Duct (North)
05RLUT9900	CATV - Lay Cabta (South)	18	P12-	0 318AY05	5 ZtJUNOS	5 06RAYOS	S ZEMAY05		OF CATV - Ley Cable (South)
05RLUT1100	HKCG - Lay 315 Main (Roundabout - Interchange)	98	- Si	0 1DMAY05	5 21JUN05	22APR05	5 02JUN05	T	C==X V PKCG - Lay 315 Main (Roundabout - Interchange)
05RLUT1209	HKCG - Lay 250 Main (Roundaboul - Interchange)	36	, 15d	0 10MAY05	S 21JUNOS	22APR05	5 02JUNOS	T	A HKCG - Ley 250 Main (Reundebout - Interchange)
05RLUT1210	HKCG - Gas Goveror Kiosk	36	æ	0 12AUG05	5 23SEP05	22AUG05	5 040CT05	T	A HKG - Gas Gavarar Klash
05RLUT1400	PCCW - Lay Cable (South)	42	-214	0 Z4MAY05	1330,05	29APR05	SUNULT 1	T	PCCW-1-4 Cable (South)
05RLUT1500	PCCW - Lay Cabte (North)	36	-214	0 14JUL05	24AUG05	5 18JUN05	1	T	CON-Ley Cable (Marth)
05RLUT 1600	Water Point - WP 12:2 to M11	£1	234	0 06AUG05	5 20AUG05	5 02SEP05	16SEP05	T	
05RLUT1700	Water Point - WP13-2 to M13	9	230	0 22AUG05	27AUG05	17SEP05	24SEP05	T.	AP Weler Point - WP13-2 to M13
05RLUT1850	Water Peint - WP14-1 to WP13	4	234	0 Z9AUG05	13SEP05	26SEP05	1300105	7	50 – 60 – 60 – 60 – 60 – 60 – 60 – 60 –
05PLUT1900	Water Point - WP15-1 to M15	-	PEZ	0 14SEP05	22SEP05	14OCT05	210CT05	T	CZ Water Point-WPIS-1 to MIS
Public Lighting, 1	Ductand Korb				П				
0000	Consucor Cases van (appun)	8	-	0 0547805					Constitute Dward Well (South)
05RLPK0200	Construct Owerl Wall (North)	12	٥	0 24JUN05	,	24JUN05	อยากเออ		Construct Dwarf Well (North)
05RLPK0300	Lay Kerb (South)	10	0	0 13JUNDS		13JUN05	SONOFEZ		Ary Carl Lay Kerb (South)
05RLPK0400	Lay Kerb (North)	22	0	24JUN05			2070105		Law Kente (Morth)
05FLPK0500	Lay Kerb (Parking Area)	33	P6)	0 245UN05			24AUG05		Ley Kesh (Parking Area)
0SFLPK6600	Drawpii & Duct (South)	22	24	0 ZBMAYOS	23JUNOS		29JUN05		L Disayeli & Dut (South)
05RLPK0700	Drewpit & Duct (North)	22	25	0 24JUN05	20301.05	3070/05	seriorez,	1	Land Descript & Duct (North)
USRLPK0800	Drawpit & Duet (CT)	26	24	0 24JUND5	25JUL05	SOUCHOS	3070105		Drawii & Dard (CT)
Roads usd Paving 05RLRP0100	Road Pavsment & Footpath	8	o	0 19JUL05	040CT05	48.111.05	PACCETOR		Comm.)
F & M Works									V Yood Yevertian & Footpeth
05FLETA0500		93	434	0 26301.05	29AUG05	14SEP05	210CT05		
Road Marking Tra	Fred Sign and Foncing	9	RZel	0 24 II WIDE	90 111 00	1020000	10000		The state of the s
0581.8140200		2	0	0,050CT05	2100705		$\neg$	1	C / Free Signings
05RLRM030D	Construct Fending	30	47d	0 2110105	1	T	- 1	J	ATT Construct Construction Cons
Section 6									Commence render
Cycle Track									
06CTDW0100	Deade Exect Location of Manholes & Calchpils	۳	-	100 275EP04 A	A 27SEPO4A	A 278EP04 A	A 1278EP04	A Durche Bone 1 const	of Manhabar of Pathabar
06CTDW0200		38	55	0 28JAN05		7	10MAR05	200	The state of the s
06CTD/W0300	S784 - Existing Box Culvert (in 2.)	52	-	100 28SEP04 A	Ť			This Rest County	Finding Ray Cylored (19.2)
06CTDW0400	\$185 - \$789 (in 201)	ñ	240	0 28JAN0S	OBMAROS	Ì		<b>-</b> ↓↓ }	
06CTDW0500	Severage System (In 2J)	42		100 10NDV04 A	A ZBJANOS	10NOV04 A	A ZBJAN05		Serverage System (in ZJ)
06CTDW0600	Servarage System (in ZG1)	22	24d	O DBMAROS	06APR05	07APR05			A—— Swenzoge System (in 231)
06CTDW0700	Construct 225UC (fn.2.1)	36	\$	O 24MAR05		1BMAR05	29APR05	<del></del>	Construct 225UG (in ZJ)
06CTDY/0800	Construct 225UC In 2G1)	92	176	0 DENIAYOS	24MAY05	ZGMAYOS	14JUN05		AT Construct 225UC (in 201)
Charlet Works									
Finish dafe 2010V	007 A Early start point								

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O	Description		Float C	Float Complete St	Start Finish			2004	2005	
06CTUT0100	Watermain - Lay Fresh & Sail Main (in 2.1)	35	P,	₩.		5 08FEB05	5 24MAR05	7 7 8	T Shark Marian Market M	r Q N
DSCTUT0200	Watermain -Lay Fresh & Salt Main (in 2G1)	4	249	0 07APR05	305 22APR05	OSMAYOS		1		
0667UT0300	CLP - Lpy 132kV Ceble (in ZJ)	SS		100 15DEC04 A	CD4 A 12JAND5 A	A 15DEC04 A	4 A 12JANDS A	,	& & Y   CZB CIP - Ley (32x) Cable (in Zi)	
06CTUT0400	CLP - Lay 132kV Cable (in ZG1)	R	24d	0 21APR05	305 16MAY05		5 14JUN05	~		
05CTUT0500	CLP - Cable Joining	12	24	0 17MAY05	YOS SOMAYOS	15JUNDS	S 28JUNGS		Cable Johning	
06CTUT0500	CLP - Lay 11kV Cable (in ZJ)	28	P09	O O3MAR05	R05 05APR05	13MAY05	s 15JUNGS	1	CD - Lay 11XV Cable (in ZJ)	
06071,0700	CLP - Lay 11kV Cable (in ZG1)	=	25d	0 17MAY05	YOS ZBMAYOS	16JUN05	SEJUNOS	1	CTV CLP - Lay 111V Cobbe (in 2G1)	
0667070300	CLP - Lay LV Cebie (in ZJ)	28	P09	O D3MARDS	TOS OSAPROS	13MAY05	5 15JUNOS	1	60 CLP - LDy LV Cashe (in ZJ)	
06CTUT 1000	CLP - Lay LV Gable (In ZG1)	Ξ	25d	0 17MAY05	ı	16,11/105	28JUN05		COLP - Ley LV Cable (in 2G1)	
06CTUT1400	HKCG - Lay 250 Gas Main (In ZJ) (DELETED)	98		100 29DEC04 A	290EC04 A	A 290EC04 A	4 A 29DEC04	12	Cd - Lay 250 Ges Main (in 2.) (OBLETED)	
06CTUT1500	HKCG - Lay 250 Gas Main (in ZG1) (DELETED)	14		100 29DEC04 A	204 A 23DEC04 A	A 29DEC04 A	1 A 230EC04 A	•	$\overline{X}$ HKG6 - Lay 250 Gas Man (in 2G1) (DELETED)	
SUDIO SENIDE DE D	Duck and Korb Lay Kerb (in 2J)	24	38	0 2249805	tos tramayos	SAPROS	SAMAYOR		I mychellegn	
06CTPK0200	Lay Kerb (In ZG1)	5	P21	0 25MAY05			1-		Company of the 2001	
Roads and Paving	60		:						C.V. Cal Nato (in 263)	
06CTRP0100	Ley Cycle Track Pavement (in 2.1)	BE:	ķ	0 ZONAYOS				<u> </u>	Lay Cycle Track Pavement (in Z.)	
06CTRP0200		15	25,	o ogunnos	05 22JUL05	29.3UNOS	16JULOS	<del>                                     </del>	Lower Cycle Track Paventien (in 201)	
Road Marking Tr	reific Sign and Fonding Apply Road Marking	7	P	0 22 H.U.VE	27.10.00	2011105	8			
05CTR1/0200	- 1	, [2	3 39	0.18311.05			23 11105		Of Apply Road Marking	
06CTRM0300	Construct Ferce	1	3	900			- 1		CZ CALL Signage	
Landscape Hardw	works	7	8	emoreo a	sonorsz er	SSTONDS	23JUL05		Construct Fance	
05CTHL0100	Construct Planter Wall (in ZJ)	46	ŝ	0 031/4805	165 Z6APR0S	25FE805	20APR05		Construct Planier Wall (in 2.)	
05CTHL0200	Construct Planter Wall (in 2G1)	62	<u>B</u>	0 27APR05	05 17MAY05	19MAY05	DBJUNGS	·	Constituted Plessies: Wall (in 2G s)	
Section 7			ŀ						<u> </u>	
TYA Implementati	emporary traine management Scheme	ura Sila Nor	# 14 14 - 1 1 - 2							
0777780100	Implement TTA No. 10	1	-154	OZBJANDS	35 28JAN05	11JAN05	11JAN05	\$	Simplement TTA No. 10	
O71TMS0200	Implement TIA No. 11	-	P\$1.	0 26FEB05	1	OSFEBOS	05FEB05	R 23	Kimplement TTA No. 11	
07TTMS0300	Implement TTA No 12	1	-15d	0 241,44705			1	2	IR Implament TTA No. 12	
07T7MS0400	Implement TTA No. 13	-	-150	0 27APR05	05 27APR05	09APR05	09APR05		II Implement TTA No. 13	
Landscape Node No. 3 Landscape Node Structure	No. 3 Structura									
07LCNS0100	Drilling (Two Drillholes)	16		100 23SEP04 A	14 A 30SEP04 A		A 308EP04 A	B	{sa	
07LCNS0200	Removel of Existing Amour & Underlayer	9		100 250CT04 A	34 A 05NOV04 A	Т''	250CT04 A DSNOV04 A	4	V T Removal of Eduling Amour & Underlayer	
07LCNS0300	Demoksh Existing Outfell Units & Toe Blocks	52	<u> </u>	100 21NOV04 A	34 A ZZNOVB4 A	21NOV04 A	A 22NOV04	A Z Domollah	Adding Ouffall Units & Toe slacks	
07LCNS0400	Remove Existing 2800 Die. Concrete Pipe	13		100 30DEC04 A		30DEC04 A	A 13JAN05 A	A COL	ET Pamore Existing 2800 Dis. Conceale Pipe	
0/LCNS0500	Removel of Ensting Rubble	20	1604	70 14JAN05 A		14JANDS A	4 16AUG05	A CONTRACTOR OF THE PROPERTY O	ACT Removal of Existing Rubble	
07LCNS0600	Block Wall Construction		1604	0 04FE805		17AUG05			Picek Wall Construction	
0/15/450/40	Backfill Rubble Behind	01	1604	O 1BMARDS		26SEP05	0700705		LT Backita Rubble Behind	
O/LCNS0800	Reinstate 2600 Dia Concrete Pipa		1604	0 30MAR05	_	0800105	220CT05	Y**	C Pelistale 2800 Dla. Concrete Pipe	
0050510710	repreduent of Box Culvert Outlans		P091	0 29 JAN05	$\neg$	11AUG05			Patrication of Box Culvest Outlais	
02151100	Since the state of	12	1603	0 14APR05		240CT05	i		LP Install Box Cabert Units	
97LCNS1200	Selective Armon A Indentage	_[	DO 1	0 28APR05	T	50AON20	- 1	<del></del>		
Waterfront Prome	anales contacted contacted to		1600	0 30APR05	5 d5MAY05	09NON05	14NOV05		D Retratas Armout & Undintayer	
Ŷ	ittuotion	d	:							
O7V/PPH0100	Construct Imigation Pump House	48	PS	о озостоя	5 ZBNOV05	14OCT05	14OCT05 08DEC05		Construct Interest Pump House	_
Promago Works	Decide Exact Location of Manholes & Calcholls	-	-	100[29,010.04.8	A 29.111.04.A		A POUR OF A POUR OF	A	Δ==	
07WPDW0200	S708 · S715	_l_	P14-	50 130CT04 A			130CT04 A 16FEB05	A Course Locatori di manipas o Calcipas	7 enn . Chic	
07WPDW0300	\$701.5708		╀	100 13DCT04 A		_	130CT04 A 14DEC04 A	EZZZZZ 8701 - 8708	PACE COLORS	
	<sub> </sub>		╢							
Project name 1905	25 A Early start point 25 V Early frish point 25 V Toget start point V Toget start point V Toget start point						Lead		int Venture	1111
Page number 17A	Targot bar						E E	TP37/03 - Initial Works Programme	me W LEADER	
	] , T'T						_	Updated to 28 January 2005	2005	<b>.</b>
Primavera Systems, Inc	s, Inc. Stort mitestone point  Stort mitestone point								ZENS ZENS	<u> </u>



Act ID	cription	Orig Tota Dur Floa	Percent Complete			Late Finish	2004 M J J A S O N D J	2007 NDJFMAMJJASONDJFMAMJJA	rd N o s
07WPDW0400	\$715 - Existing Box Culvert	30 1504	DO 28APROS	ROS 01JUNOS NOS 14 FERROS	11.14NG5	10DEC05		7 F991 - F992 (TTA No. 10)	
07WPDWD500	E001 - E002 (TEAN) 313				05FFB05	22FEB05	Q	/W F901 - F902 (TTA No. 11)	
OTAMPOWGG00	F901 - F902 (1.14 // 11)		2 6		0315503	24144805	Ŋ	71 - 2017 - 1500 TTA No. 12.	
DZWEDWIED	FOOT - Existing Manholm ITTA No. 131		,	1	OBAPROS	27APR05	Ŋ	AP F903 - Existing Menhole (TTA No. 13)	
074460449800	2072 - C774 - C774	<u>i</u>	<u> </u>	T	SRAPROS	ZEMAYOS	Ţ	7770-6770	
074/8/14/1000	an Full Child in 211		, 6	Т	140CT05	OSNOVOS	<b>-</b>		
07WPDW1100	S716 - Existing Box Cufvert		,   °		07NCN7BS	91DEC05		C S116 - Existing Box Culveri	
07WPDW1200	225 Dia Perfordiad Drain (in 25)		0		07APR05	04JUN0S		(225 Die. Perforated Drain (in 25)	
07WPD/31300	225HR & Catchpil with 200D.I. along Porapet Wall	┸	0		27AUG05	2700705		A 725HR & Calchpil with 2000 L. along Parapel Wall	
07WPDW1400	225UC along Ptanler Wall	50	4d 0 10JUN05	NOS 09AUG05	SONUCSO	04AUG05		225UC along Phartor Wall	-
07WPDW1500	225UC (in ZU)	11 249	49 0 280CT05	T05 09NOV05	25NOV05	07DEC05		CD 2255CC (In 2n)	
07WPDW1600	399UC (In ZU)	25 249	0		9005005	05JAN06		(nz v) 300nc (u z v)	
ODTWPOW1700	225Dia Perforated Drain (th ZU)	21 240	1d 0 030CT05	T05 270CT05	OTNOVOS	24NOV05		225Dia. Perforeited Drain (in 2U)	
07WPDW1890	369 CUC (In 2U3)	16 -15d	5di 0 15JUN05	NOS 06JUL05	27MAY05	17JUN05		(lu zus)	•
07WPDW1900	225 Perforated Drain (in ZU3)	16 -154	29 0 0710105	.05 27JUL05	18JUN05	GATOLOS		7 225 Pertorated Drain (in 21/3)	
Utility Works	Westermain . I are Greb Main FTT's No. 411	P-5+ U+	5083351 0	3566805	75,18805	A45FBA5		A Watermain - Lay Bell Main (TTA No. 10)	
Т	vateringin - Loy can main ( ) 1 A 190 . 10		'	1.	Annua de	2007	<b>B</b>		
07WPUT0290	Wetermain - Lay Salt Main (TTA No. 11)		0		231-E805	GSMARUS	AS .	AND MARKET LEG CORT (LIA 190, 1)	
07V/PUT0300	Watermain - Lay Salt Main (TTA No. 12)		0		25MAR05	OBAPROS	Ej.	Ligh Wallemain - Lay Sail Man (11 A No. 12)	
Dototling	Watermain - Lay Solt Main (TTA No. 13)	12 340	do o lemayos	YOS ZBMAYUS	2530005	canoreo	Q	(L) transming ray on man (114 vo. 15)	
	ברי בשל בי כשמום	21 1	•		CONDONE	COLUMN TO STATE OF THE PERSON	B	With the first of the control of the	
	PCCW - Lay Cable				solucit.	50438/2	•	Summing Value of the PI 121	
	Valerman (In 203)	ber- Br	od Zajulus	17AUG05	11,300,00	3070702		(in 2.03)	
ONAPRO 100	Public Lighting (In ZU)	60 23	21d 0 030CT05	T05 12DEC05	280CT05	OŞJANOĞ	•	(DZ u) Public Lighting (in ZC)	
07WPPK0200	Public Lighting (in 25)			Ϊ	18AUG05			Poublie Liphing (in 28)	
Roads and Paving								,	
	Lay Paving Block (in 2U)				GEJANOG	11FEB06		Ley Peving Block (in ZU)	
	Lay Paving Block (in ZS)	60 -11d	1d 0 10NOVOS	VOS 18JANDS	280CT05	05JAN06		( Lay Paring Block (in 28)	
7033/109 YOU.	Finishing Works (In ZU)		-8d 0 23JAND6	106 28FEB06	13JAN06	18FEB06		Finishing Works (in ZU)	
07WPFW0200	Finishing Works (In 2S)	P 92	td 0.24AUG05	G05 29OC705	1000005	12.JAN08		A Finishing Works (in 25)	
E & M Works									
	Irrigation System (In ZU)		9d 0 29NOV05		09DEC05	12JAN06		Carry tingation System (in ZU)	
	intgation System (in 28)				2685205	SOVONEO		Intigation System (in ZS)	
	EEIA Werks	30 27d	7d 0 13DEC05	COS 16JAND6	13JAN06	18FEB06		C F EBM Works	
Tosting and Comm	Sissioning	9	of na reade	9082380	149 ISNOTE	1855806		A Tauling & Commissionles	
- 12	Allegation of the state of the	1		1	201	200			
07WPRM0300	07WPRM0300 Frett Signage	PS• 00	54 0 19JAN05	V06 24FEB05	13.JAN06	18FEB05		Therefore Signature	
	Apply Road Marking	12 -114	19 0 18FE906	906 03MAROB	OBFEBOS	18FEB06		GTA Apply Road Marking	
Landscape Hardwo	ons Planter Wall (in ZS, South End - 100m)	20 -116	12MAY05	Y05 03JUNDS	29APR05	25KAY05		. 100	
07WPHL0200	Planter Well (In ZS, 100 - 200m)		19 19APR05		06APR05	28APR05		7 Plenter Wall (in 29, 100 - 200m)	
07WPHL0300	Planter Wall (In ZS, 200 - 300m)		•		12MAR05	05APR05		() The Press well (in 25, 200 - 300m)	•
07WPHL0400	Planter Well (in 25, 300 - 400m)	20 ·11d	Id 0.021/AR05	1	17FEB05	11MAR05	<del></del> -(	Comp Planter Wat (in 28, 300 - 400m)	
07V/PHL0500	Planter Wall (in 25, 400 · North End)	P001 02	DA DAAUGOS	GOS 26AUGOS	02DEC05	24DEC05	<del> </del>	ATT Planter Wall (in 26, 400 - North End.)	
01vtPHL0500	Planler Wall (in ZU)	P8- 97	NO 25AUG05	G05 30SEP05	19AUG05	218EP05		( Planter Wall (in 2U)	-
07WPHL0700	Perapel Wall along Sect/al!	60 · 11d	PI 18JUNDS	405 27AUG05	04JUN05	15AUG05		Parapal Wall along Search!	
07WPHL0800	ons	PB- 09	3d 0.030CT05	T05 (2DEC05	22SEP05	020EC05		Construct Curve Trellis (in 2U)	<del>,</del>
Start date 10JUN00 Finsh date 20NOV0 Date 28JAN05	24 Early bar 07 & Early start point 15 \(\text{\text{Q}}\) Early finish point					(			II WAI KEE
Project name 1906						TD37	TD37/03 - Initial Works Drogramma	JIII. VEHIUIE	
Lage burners						ς = -	27/03 - IIIIIai Wolks Flogiaiii Findated to 28 Tanuan, 2005		
© Primevera Systems, inc	Н.					כ	pualeu IV 20 Jailuai)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ZENS
	Å								



Act ID	Description	Orig Dur	Orig Total Percent Dur Float Complete	cent Early plete Start	rly Early art Finish	rly Late ish Start	te Late irt Finish	6 2004 Sh & 1 A S O N D I	2005 Z006 Z008 Z008 Z008 Z008 Z008 Z008 Z008
07WPHL0900	Construct Pergola (in ZU)	17	PB-	0 1305005	305 O7FEB06	°.			Construct Pergola (In Zu)
07WPHL1000	Construct Pergola (In 23)	72	239	0 24AUG05	305 21SEP05	05 28SEP05	05 27OCT05	ē.	Construct Paggle (in 25)
07WPHL1100	Water Point WP28-4 to 28-8 (in 2U)	R	<u> </u>	0 08NOV0S				65	7 Waler Pain WP26-4 to 28-9 (in ZU)
07WPHL1200	Water Peinl WP27-2 to 27-4 (in 25)	15	P67	0 30APR05			19AUG05	2	A Water Point WP27-2 to 27-4 (in 25)
07WPHL1300	Water Paint WP26-1 to 26-2 (in 25)	15		O 18MAYOS				-	C_7 Water Point WP26-1 to 25-2 (in 25)
07WPHL 1400	Water Point WP25-2 to 25-4 (in 25)	,S1	l.	SONULES O			05 24SEP0S	·	4-7 Water Point WP25-2 to 25-4 (in 28)
07WPHL1600	Public Toilet & Pavilien by ASD's Confrector	303	-704	0 28DEC04 A	26 26JANG	36 28DEC04 A	04 A 05NOV05	57777	
Sertion 8 Landscape Node No: 1	la No. 1								
Landscapu Nado Structure 08LANS0100 Ording f	Ordino five Delibolesi	ā		10012355504.0	A AUTOCOCK A		ANTOCOLO A MOSTERIA		1
08LANS0200	Remayal of Existing Amour & Underlayer	9	_	100 280CT04 A			280CT04 A DSNOVB4	<b>.</b>	from the recognition of the state of the sta
08LANS0300	Demotish Existing Outlatt Units & Yea Blacks	. 15	_	100 13NOV04 A	$\neg$		Tanovot A tenovot	A Domoley	months of the community
08LANS0400	Remove Existing 5 Cells Box Culvert Units	2 22	PO6	0 28JANDS	$\neg$		50NULL 0		rang Cultar Units a toe books  Wheneve Editine Scale fire Cultural Units
08LANS0500	Removel of Existing Rubble	5	906	80 19JAN05 A	Т			<del> -</del>  2	متناها المراقبة المراقبة عند المراقبة المراقبة المراقبة المراقبة المراقبة المراقبة المراقبة المراقبة المراقبة ا
08LANS0600	Black Wall Construction	ñ	PQ6	0 26FEB05		Ì	1	T.	C=7 (
08LANS0700	Backfill Rubble Behind	9	POG	0 05APR05		Т		16	<u>√</u> Backfit Rubble Bahind
08LANS0800	Reinstale 5 Cells Box Culvert Units	=	P06	0 16APR05	05 DEMAY0S	05 02AUG05	05 22AUG05	us.	CV Reinstain 5 Cells Box Culvert Units
08LANS0900	Fabrication of 5 Cells Box Culveri Oulfalls	3	P06	0 25FEB05	DE GEMAYDE	SONULES SC	35 22AUG05		A Patrication of 5 Cals Box Culvert Outfalls
08LANS 1000	Insian 5 Cetts Box Culvert Units	2	P06	0 07MAY05	05 20MAY05	23AUG05	Ī		A Thread 5 Cells Box Culvert Units
08LANS1100	Install Remaining Blocks for Both Side Outfall	2	181d	0 21MAY05	05 23MAY05		15 Z6DEC05	ia	Marial Remaining Blocks for Both Side Outfol
08LANS1200	Reinstate Armour & Underlayer	40	161d	0 24MAY05	05 28MAY05	35 27DEC05	31DEC05	φ.	AP Releasable Amour & Unchallayor
Landscape Node No. 2	e No. 2 Structure								
08/ENS0100		16		100 27SEP04 A	34 A 160CT04 A		34 A 160CT04	4 A Land Delling (Two Dritholes)	ohts)
08LBNS0200	Removal of Existing Amour & Underlayer	φ		100 06NOV04 A			24 A DBJANDS A		GTTTTH Removal of Existing Amour & Underlayer
001.BNS0300	Demolish Existing Outfall Units & Toe Blacks	52		100 17NOV04 A	04 A 20NOVD4 A	24 A 17NOV04 A	14 A 20NOV04 A	A Demolish	R Demoks) Existing Outail Units A Tree Blocks
0818130400	Remove Existing 2500 Dis. Concrete Pipe	12	494	0 02FEB05	18FEB05	-		<u> </u>	Transve Existing 2300 Dis. Concrete Pipe
08LBNS0500	Removal of Existing Rubble	19	P6\$	80 15NOV04 A	_	5 15NOV04 A			ZIV Ramonal of Edishing Rubble
00905#48780	Block Wall Construction	33	P67	0 24FEB05	Ī	15 23APR05		1	A Block Wall Construction
08LBt4S0700	Bockfill Rubble Behind	10	499	0 05APR05		S 01JUN05	5 13JUNDS		A Backill Rubble Behind
0818450800	Reinstate Box Culvert Units	12	49d	0 16APR0S	1	5 14JUN05	5 27JUN05		LP Relicted Box Culvert Units
081,81150900	Fabrication of Box Culvert Outfalts	09	494	0 18FEB05					A. Transcallen of Box Calvert Outlets
08LENS1000	Install Box Culvert Units	12	43q						LT Install Box Calvant Units
06LBNS1100	instalt Remaining Blocks for Both Side Outfall	~ ,	929	0 14MAY05	- 1	- 1	1		R Install Remaining Blacks for Both Side Outlast $S$
Constitution of Second	Reinstate Armour & Undertayer	r.	929	0 17MAY05	35 21MAY05	5 038EP05	5 08SEP05		IF Reduction & Underlayer
Marine Works	eawan Aujacent to Landrill Step Marino Works								
08ALMA0100	Removel of Armour & Underlayer (First 2 Bays)	7		100 10NOV04 A		٧	12DEC04	¥	WZZR Ramoval of Armour & Underlayer (First 2 Bays) B
08ALMA0200	Removal of Existing Rubble (First 2 Bays)	th	96	60 01DEC04 A	¥		7		LETZE Prantoval of Existing Rubble (First 2 Bays)
08ALM40300	Placing of Rubble Foundation (First 2 Bays)	¢1	-13d	0 22MARGS					💯 Placing of Rubbia Foundellon (Fisal 2 Bays)
08ALMA0400	Black Wall Construction (First 2 Bays)	-1	£1.	D TOMAYOS	Ī				A Block Wed Construction (First 2 Bays)
08411/460500	Backfill the Rubble Behind (First 2 Bays)	-	-134	0 223UN05					IX Backfill the Rubbise Behind (First 2 Bays)
02411440600	Backfill the G200 Rockfill Behind (First 2 Bays)	-	-13d	0 27.1UN05					M Beckfill the G200 Rockfill Behind (First 2 Beys)
08ALNIA0700	Ramoval of Armour & Underlayer (Second 2 Bays)	4		100 09NOV04 A		4 A 09NOV04 A	4 A 04DEC04 /	7	IETH Regiment of Armous & Underlays (Second 2 Bays)
08ALMA0800	Removal of Existing Rubble (Second 2 Bays)	6	99	60 17NOV04 A	4 A 05FEB05	17NOV04 A	4 A 19FEB05	1	ETTETH Permoved of Existing Rubble (Second 2 Bays)
08ALN1A0900	Placing of Rubble Foundation (Second 2 Bays)	S	-13d	0 28MAR05				T	(If Placing of Rubble Foundation (Second 2 Bays)
08ALIMA1000	Block Wall Construction (Second 2 Bays)	17	-13d	O 30MAYDS			i i		A Black Wall Construction (Second 2 Bays)
08ALMA1100	Backfill the Rubble Behind (Second 2 Bays)	-	-136	0 23JUNUS			1	<u></u>	IR Backiil the Rubble Bahlad (Second 2 Bays)
חמארניאיי ו כאח	deskill the G200 Rockill Behind (Second 2 Bays	$\dashv$	-134	0 28JUN05	5 28JUN05	13JUN05	13JUN05		及 Backfil the G200 Rockfil Behind (Second 2 Bays
Start date 10JUN04	404 Easty bar								



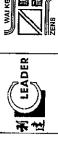


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21   354   0   04AUGOS   09AUGOS   11ANOS   11
23   356   0   24,1ANUG   15,11NUG   15,11
21   554   0   227-EBD6   17MARGO   16JUNOS   12JUNOS   12JANOS   16JUNOS   17MARGO
45   45d   0   15/10/05   22/Jakr05   10/Jakr06   10
18   954   0   tehrance   0486Profe   12JUDB   04NUOVB
49 464 0 15JUUG 008EPOG 04NOVBS  24 464 0 15JUUG 14JUUG 14
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Ū	Description		Float	Float Complete Start	Finish	Start	Late Finish	2004 M J A S O N D	2002
06WPRP6600	Reinstate Cycle Treck	30	126d	O 01AUG0S	03SEP05	29DEC05	03FEB05		A V Reinstate Cycle Track
08WPFW0100	Finishing Works	99	744	0 29MAY06	08AUG06	25AUG06	04NOVD6		A. Printsing Works
E & M Works	irrigation System			1 1 00	00000	000			Δ
0001HEW1000		8		0 10APR06	15MAY06	02AUG06	04ACV06		The part of the pa
Road Marking.	Traffic Sign and Fencing								$\frac{d}{dt}$ = 6 M WOKS
08WPRM0100		30		0 07AUG08	9045860	29SEP06	04NOV06		Amm Apply Road Marking
08WPRM0200	Erect Signage	21	46d	0 17AUGGS	998EP06	110CT06	04NOV05		C Feed Signage
08WPHL0100	Plenter Wall (in ZR)	63	P09	O 23MAYOS	05AUG05	22,111,05	NSOCTOS		
<b>08WPHL0200</b>	Planter Well (in 2K)	22		0 150CT05	15NOV05	04FE806	OBWAR06		Services Walling Walling PR
08WPHL0300	Flanter Wall (In ZJS)	13	_L	0 288EP05	14OCT05	OZJANOS	16.JAN96		(X7 us) means at many at the control of the control
OSWPHL0400	Planter Wall (in 2.15)	60		0 17SEP05	27SEP05	028EP05	10SEP05		CONTRACTOR (In Cas)
08WPHL0500	Pibniar Wall (23 - Landscape Mode 1 Squih)	40	POS	0 18MAR05	DAMAYOS	17MAY05	0430105		ZO (South) (S.) - Indicator Nick Scales
081/PHL0600	Planter Wall (ZM, ZL1, ZJ)	8	<u> </u>	0 11AUG05	26NOV05	обостов	19JAN06		Pinnler Wil (20, 2), 210
08WPHL0700	Paraper Wall along Seawell (in ZR)	47	46d	O D3MAR06	27APR05	27APR06	22JUN06		Passaci Wyl vlone Sawall In 201
08WPHLG800	Perapet Well along Seamell (In ZK)	22	P94	0 23MAY06	17JUN06	18JUL06	11AUG06		AZ-UL III-MAN Seamen IVI 201
08WPHL0900	Perapet Woll along Seawall (in ZJS)	12	45d	0 OBMAY06	22MAY06	04JUL06	17301.06		A Perceb Wall sham Seawah in 21st
08WPH€ 1000	Parapet Wall stang Seaviel (in 2.15)	80	454	0 28APR05	OBMAYOR	23.1UND5	อสากเรอ		ATT Persons Will along Sensor In 2151
08V/PHL1100	Parapet Woll along Seawall (In ZJ ZM, 2L1)	90	76d	0 28NDV05	02KAR06	20JAND6	25APR08		CO C
08WPHL1200	Construct Pergate (3 nos.)	72	740	0 03MAR05	27MAY06	OTJUNOS	24AUG06	,	Comment of the control of the contro
08WPHL1300	Water Point WP24-4 to 24-1	5	125d	0 010EC05	17DEC05	29APR06	17MAY06		Water Polici
08WPHL1400	Water Point WP23-3 to 22-1	E	125d	0 19DEC05	07JAN05	ISMAYDS	DBJUNDG		A T Weller May 2 and 2 a
08WPHt, 1500	Water Point WP21-3 to 21-1	12	125d	0 09JAN06	21.5AN06	SONULEO	ZZJUNDE		A TWANS Board WEST 2 to 31.1
06WPHL1600	Water Point WP20-6 to 20-1	21	45d	0 29APR05	24N4AY06	23.UN06	18JUL08		TA White Paint New York is a second s
08WPHL1700	Waler Paini WP19-4 to 19-1	£t	208d	0 05AUGDS	22AUG05	12APR06	28APR06		A Weter Polat WP19-4 to 19-1
08WPHL1800	Water Point WP 18-3 to 18-2	5	\$	0 25NAY05	087UN06	19,702.05	01AUG06		ATV Water Prict WP18.3 in 18.2
08WPHL1900	Water Point WP 17-5 to 17-1	60	PS.	90NUL60 0	29JUN06	02AUG06	22AUG06		CO CONTRACTOR OF THE CONTRACTO
08WPHL2000	Water Point WP16-3 to 16-1	2	456	O 30JUNOS	14JUL06	23AUG08	OSSEPOS		A T Water Policy (A. C.
08WPHI 2200	ASD's Contractor Works	304	5	0 22301.05	21,1/2,06	23/11/05	22,101.05		ASD's Contrador Works
Section 9									Δ.
Marina Warks	Step 1								
09LSMA0100	Propose Manioring Plan for OSD's Submarine Pipe	æ		100 01SEP04 A	06SEP04 A	015EP04 A 06SEP04 A	06SEP04 A	Propose Maniloring Plan for DSD's Submarine Pipe	D'S Submatine Pipe
081SWA0200	Engineer & DSD Approval of Maniforing Plan	36	PE1-	99 078EP04 A	27.JAN05	07SEP04 A 12JAN05	12JAN05		TITITIE Engineer & DSD Approval of Monitoring Plan
09LSMA0309	Selup Monitoring for DSD's Submarine Pipeline	R	-134	0 28JANOS	07MAR05	13.JAN05	19FE805		Relup Monitorina for DSD's Submarine Pineline
09LSE1A0400	Drding 8 CPPT	R		100 11SEP04 A	110CT04 A	11SEP04 A	110CT04 A	AZZJ Ontling & CPPT	
091.SMA0500	Removal of Existing Armour & Underlayer	us	-	100 05NOV04 A	28DEC04 A	DENOVOS A	28DEC04 A		aoval of Existing Armour & Underlayer
09LSMA0600	Removal of Existing Rubble	ŭ	-	100 17NOV04 A	30DEC04 A	17NOV04 A	30DEC04 A	NZZZ Removel of	roval of Existing Rubble
09LSMA0700	Dradging of Marine Rubble	7	-13d	Г	15MARUS	21FE805	28FEB05	1	(JF Chedging of Manne Rubbia
091.53,440,600	Piecing of Rubble Foundation	s	-134	0 16IAROS	21MAR05	01MAR05	05MAR05	2 -	M Plecing of Rubble Foundallen
03LS54A0900	Block Wall Construction	31	-134	Г		18MAR05	23APR05	a	Deck Well Construction
091,511,41000	Backfill the Rubble Behind	7	134		21JUN05	OSJUNOS	04JUN05		Resettii the Rubbis Bahind
09LS14A 1 100	Bockful the G200 Rockfit Behind	2	PE1-	Π	Ϊ	DBJUNGS	SONTIFEO		
09LSK4 1200	Renslatement of Armour & Underlayer	ō	-13d		11JUE05	14JUN05	24JUN05		2. A. Reinstatement of Amour & Underlayer
09LSNK41300	Submil Shop Drawings & Calculation of Roof Cover	30	PS1 -				SaJULes		المركز ا
09LSMA1400	Engineer Approvat of Shop Drawings & Calculation Sultrait A contes of Dod Court Oceanor	22	1154			1 "1	19OCT05	╢	
091 Shta 1500	Subinity 4 copies of root (original represal	9	1514				07DEC05		(I) Submit 4 copies of Roof Cores Proposal
000000000000000000000000000000000000000	8	120	151d	o oznavos	2500705	0105005	22APR06		Procurement of Pyramid Skylight
Start date 10 JUNN Finish date 20NOV	Ш								
Data date 28,14N05 Run date 28,14N05	05 V Early finish point 05 \textstyle \texts						eade	Leader - Wai Kee (C&T) Ioint Ventura	Ventire
Project name 1906 Page number 21A	V Target finish point					•	TP3	TP37/03 - Initial Works Programme	The state of the s
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€ 0	Description	Orig Dur	Total Percent Fioat Complete	rcent Early mplete Start	dy Early	/ Late	Late Finish	2004	2005
09LSMA1600	Procurement of Structural Steel	120	115d	0	N	2			TMAMJJASONDJFMAM
09LSMA1700	Delivery of Pyramid Skylight	30	151d	0 2600105	35 ZBNOVOS	24APR06	29MAY06		C
09LSMA1800	Delivery of Structure! Steel	e R	115d	0 26OCT05	H	11MAR05	6		A Pelinery of Structural Steel
03158881900	Inspection & Testing	8	1154	0 3000005	35 03.1AN06	17APROS	22MAY05	12	ĺ
09LSMA2000	Fabrication & Peinting of Steet Works	6	1214	0 04JAN06		301AAY08			ļ
OSC STREET	Concrete Coping with 10 tonne Bollard & Handreil	8	1150	90000000		17APR06	22NAY06		Concrete Coping with 10 lonns Bollard & Handrail
09158442200	Construct Sheller Fooling	24	115d	0 04JAN95		Z3MAY06	20JUN06		A Construct Shelter Fooling
OSESTANCOUR	Constitue Sheller Column	8	115d	O 03FEB06		21.JUN05	28.101.08	<del></del>	Construct Shelter Column
09156462400	Construct Shaller Roof	72	115d	0 10MAR05	$\Box$	27JUL06	23AUG06		Construct Sheller Roof
OSESSION OF THE PROPERTY OF TH	Public Lagrang	<b>50</b>	115d	0 08APR08		24AUG06	01SEP06		As CP Public Lighting
097-58442-800	Rubber, Siep & land Siep Fender	<b>\$</b>	1150	0 18APR06	Ī	02SEP06	22SEP06		Ly Albert, Step & land Step Fender
Section 10	Sunace Mounted Seals	æ	P\$2.	0 10MAY06	6 30MAY06	23SEP06	140CT06		A Surface Mounted Seals
Remainder Worl	Ks.		************						
Miscollancous work	orks [5] in Demolish HYMMIDS COST Office								
1050/466/10200	Daniel Louisian Company	-	) (eq	0 03MAR06		03JUN06	OSJUNOG		${rac{32}{32}}$ Et lo Demonish HY/SB/02 CRE Office
1050MMM30200	Lemoush HYBS/02 CRE Office (PI)	30	P92	O 25MARGE		ZBJUNDS	3170106		A Demoilsh HYSSO2 CRE Office (PI)
IORWANNOSOO	El lo Demolish HY/98/02 Contractor's Office	-	124d	0 03MAR06		3070718	3170106		TE I to Dominal the William of Contractor's Office
104996799409	Demoirsh HY/98/02 Contractor's Office (PI)	œ.	76d	0 021/tay06	5 destunde	01AUG06	04SEP06		Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
DOCUMENTO	Et la Remove Run-in & Reinstale FP/CT	-	964	0 OZJUNOS		28SEP06	28SEP06		El to Ramove Run-in & Faintaine FP/CT
10RWMW0600	Remove Run-in & Reinstate FP/CT(Pt)	18	784	0 21701.06		210CT06	11NOV06		Z Z Zanove Runin & Reinsleie FPICTIPII
10RWAW0700	El to Demolish Existing Paving	-	P92	90NULZ0 0	07JUN06	05SEP06	05SEP06		Ret vo formette Estating Positio
10RWAN0800	Demoltsh Existing Paving (PI)	18	784	0 29JUNG		27SEP08	1800706		7 Townster Education Designs (2)
10RWAM0900	El to Fensing Around LO Sita	-	78d	0 11AUG06	11AUG06	13NOV06	SOVONE		(a) Bloom & record or 12 and 1
10RWLFW1000	Fencing Around LO Site (P1)	84	P82	0 028EP06	22SEP06	05DEC06	25DEC06		S C for a catendy working to S S S S S S S S S S S S S S S S S S
Section 11			I		-				Fallow Frontier Collection
Area SA6, SA11	lea SA6, SA11B & SA14						and the second		
11AASL0100	Sal Mix (Section 5)	22	PEZ	SOTOLEO O	05AUG05	DSAUGOS	0135905		A Sol Max (Swetton 5)
1144510200	Soil Pux (In 23, South End - 100m)	9	P65	0 04JUN05	reJUNOS	15AUG05	25AUG05		A Total Bit (175 Starts Control)
11AASL0300	Sel Mix (in ZS, 100 - 200m)	Ω	110	O 12MAY05		25MAY05	04JUN05		CT CONTROL OF COUNTY (1974)
11AASL0400	SH Mx (In ZS, 200 - 300m)	01	73d	0 19APR05	29APR05	22JUL05	02AUG05		B
114451,0500	Soil Mix (InZS, 300 - 400m)	01	1140	O 25MARDS	06APR05	09AUG05	19AUG05		84
1 FAASL0600	Sod Mx (In ZS, 400 - Horth End)	10	P69	o 17JUNDS	Т	26AUG05	06SEP05		to be a second of the second o
11AASL0700	Soil Mrx (In ZU, 300m)	30	24d	0 03OCT05	07MOV05	O1NOV05	050EC06		The common with the property of the property o
11AASL0800	Planting Works	110	7	0 27MAY05	Т	Z3MAY05	SOSEPRE		Carter year last (in 2U, 300m)
11AASL0900	Groundcovers Works	8	100	0 070CT05	Т	03OCT05	1205005		C Planting Works
Section 12					-				Groundcovins Works
Area SA7, SA10, S	SAIIA, SA12 & SA13					1 × 2 × 3			
1248SL0100	Soi thix (in 2R. 395m)	47	684	0 21JUN05	15AUG05	050CT05	29NDV05		Soli Bey in the state of the st
12ABSL0200	Soff Mx (In ZK, 180m)	24	-134	0 17FEB06	16MAR06	O2FEB06	01MARG6		Committee of the control of the cont
12ABSL0300	Soit Mix (in ZJB, 85m)	121	-t3d	0 03FEB06	16FEB06	17.JAN06	01FEB06		Control (1971)
12ABSL0400	Soft Nax (in ZJ5, 50m)	-	-138	0 24.5AND6	02FEB06	OSJANDS	SCANDS		A CONTROL OF THE CONT
12ABSL0500	Sof Mx (24 - Landscape Node 1 South, 260m)	8	POS	0 12APR05	16MAY05	SONOLEO	15JUL05		Soil Ner (2) - 1 and remain Mode + 6-with netters
12ABS1.0600	Sail Mx (2M, 2L1, 2J)	1	534	0 24NOV05	16FEB05	25JAN06	20APR05	Ţ	(MICO Annual September 1997)
12ABSL0700	Planting Works	127	-136	0 22APR06	20SEP05	07APR06	OSSEPOB		Christian V 301 MA (J.1. (Z.)
	Groundcovers Works	20	-13d	0.215EP06	ZONOVGE		04NDV06		Grand Plenting Works
Section 13	10 C 4 4 G C 4 4 C								C C V Groundscreas Works
Landscape Softworks	110 SATURE CAND	Y							
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	П								
un date 28.4ANG5	5 V Early series point 5 Target state point 7 Target failst point						eade-	Leader - Wai Kee (C&T) Joint Venture	nt Venture II. WAI KEE
							TP3	TP37/03 - Initial Works Programme	LEADED LEADED
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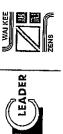




2004 2005 2007	TMAMJJASONDJFMAMJJASONDJFMAMJJASOND	A Total Security	(Horaco Cara, Control Cara, Ca	CO out man, tuck man, tucking a unitodung Area)	One town in the state of the st	STATE OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY	LV Prianting Works (Car Park, Loading/Moading Area)		**************************************	Comment of Comments of Comment	Communication of the communica				A Establishmen Works				Control of the contro				7 Eulablishment Works			L Establishment Vo
2004	7																									
Late Finish	25SEP06	25SEP06	DBNOVOG	25SEP06	06DEC05	250EC06	1		20NOV05	25DEC05				17FEB07				05NOV07				25DEC07			2505007	
Late Start	22AUG06	22AUG06	02NOV06	22AUG06	26SEP06	19DEC06			27SEP06	21NOV06				25FEB08				10NOV05				9705006		-	3005008	
Early Finish	19MAY06	01JUN06	24AUG05	20MAY06	11AUG06	31AUG06			21AUG05	25SEP06				24FEB07		13 15 15 15 15 15 15 15 15 15 15 15 15 15		20AON02				29AUG07			1985707	
Early Start	0 14APR06	0 26APR05	0 1EAUG05	0 15APR06	0 02321106	0 ZSAUGOS			0 Z9JUNDS	0 222,0506				O OZNAROG				0 ZSNOV06				0 12AUG06			0 25SEP05	
Orig Total Percent Dur Float Complete			!																			0			°	
ig Tota ur Floa	30 1084	30 984	PE9 9	P101 02	P96 09	P 37d			45 76d	30 764				300 -44				300 -13d				320 98d			P08 00E	
ÕÕ		<u> </u>			_				_	 												_				
Description	Sait Mix (Area SA1 - South Section)	Soil Mix (Area SA1 - North Section)	Sort Nix (Car Pork, Leading & Unloading Area)	Seil Mix (Area Adjacent Road SL3)	Plenting Works	Planting Works (Car Park, Loading/Unicading Area)	Area 5A8, 5A9, SA15, SA16, SA17 & SA18	yorks	Planting Works	Groundcovers Works		B & SA14	(orks	Eslablishment Works		11A, SA12 & SA13	orks	Establishment Works		Area SA1, SA2, SA4 & SA5	orks	Establishment Works	Area SA8, SA9, SA15, SA16, SA17 & SA18	2783	Establishment Works	
ं D	13ACSL0 100	13ACSL0200	13ACSL0300	13ACS1,0400	13ACSL0500	13ACSL0500	Area \$A8, \$A9,	Landscapo Softworks	13ADSL0100	13ADSL0200	Section 14	Area SA6, SA11B & SA14	Establishment Works	14AAEW0100	Section 15	Area SA7, SA10,	Establishment Works	15ABEW0100	Section 16	Area SA1, SA2,	Establishment Works	16ACEW0200	Area SA8, SA9, 5	Establishment Works	16ADEW0100	

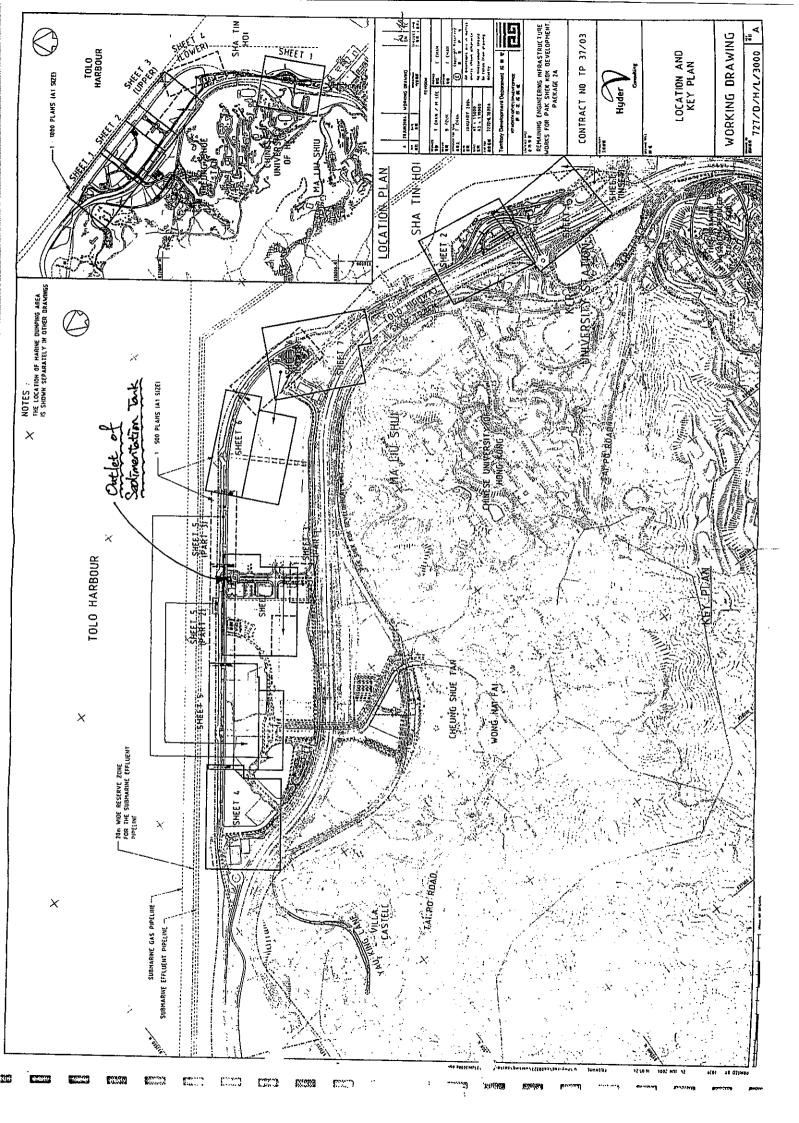
Leader - Wai Kee (C&T) Joint Venture TP37/03 - Initial Works Programme Updated to 28 January 2005

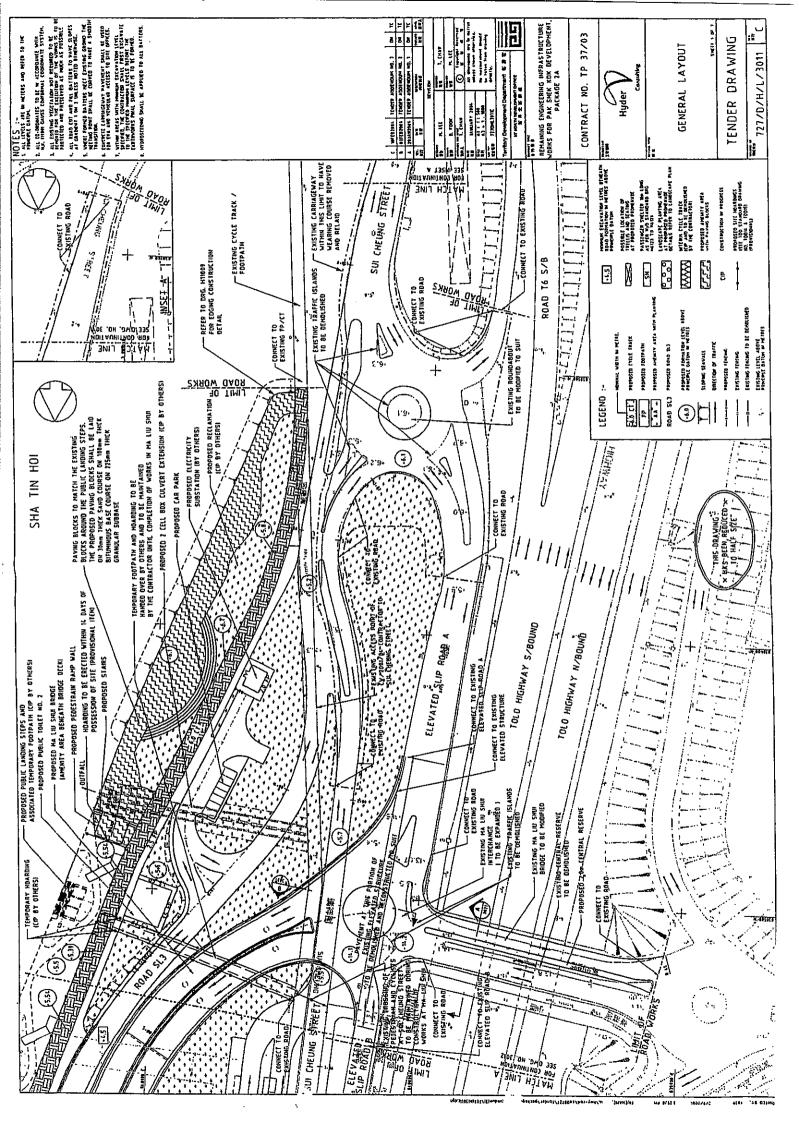
© Primavere Systems, Inc.

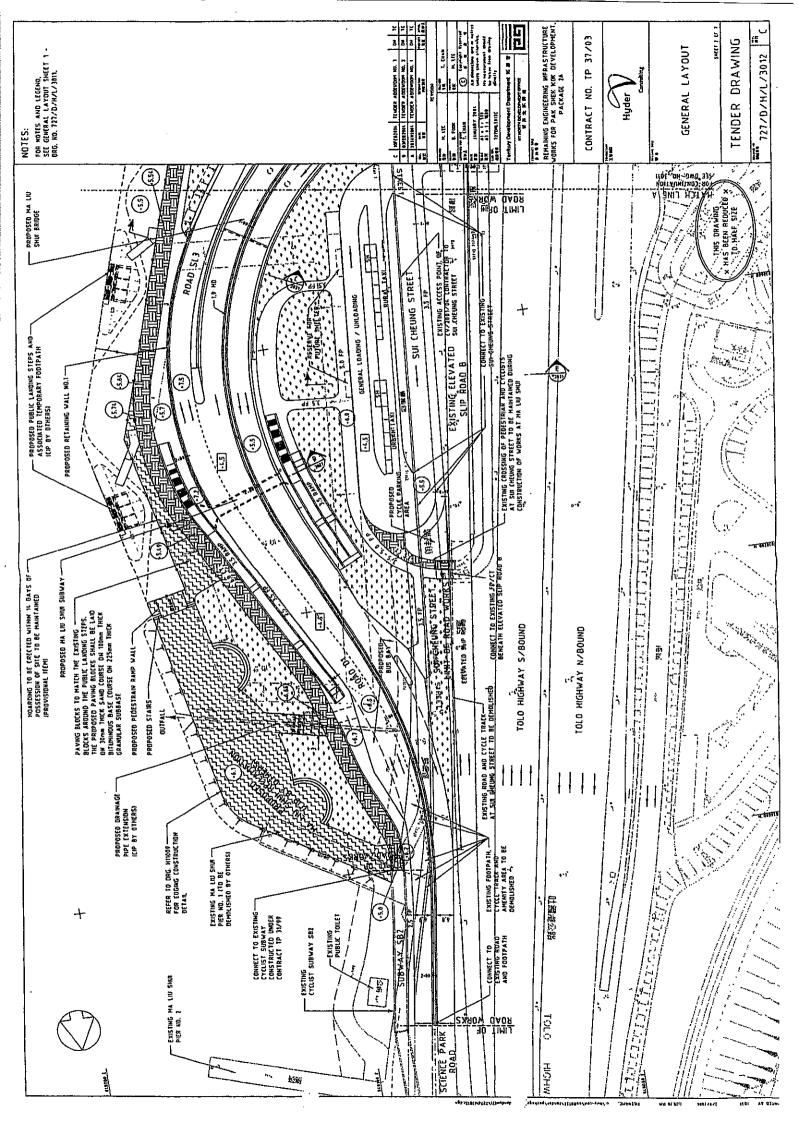


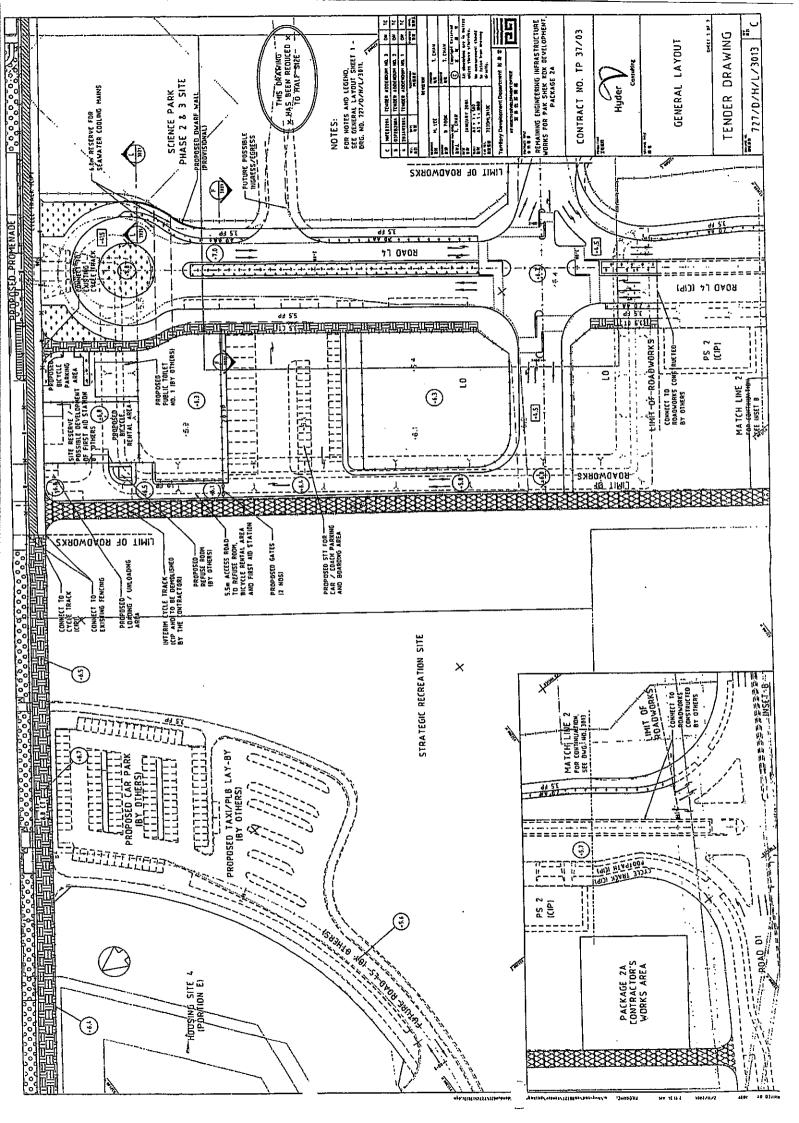


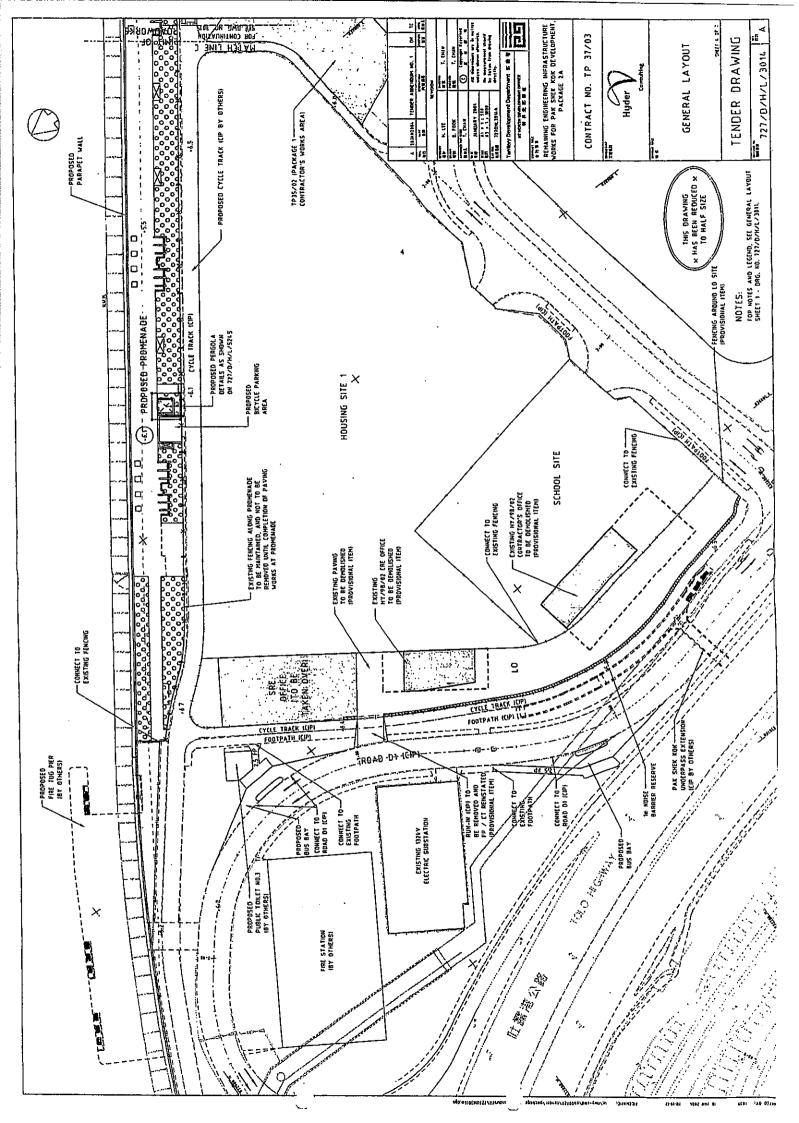
#### Appendix G Construction Site Area

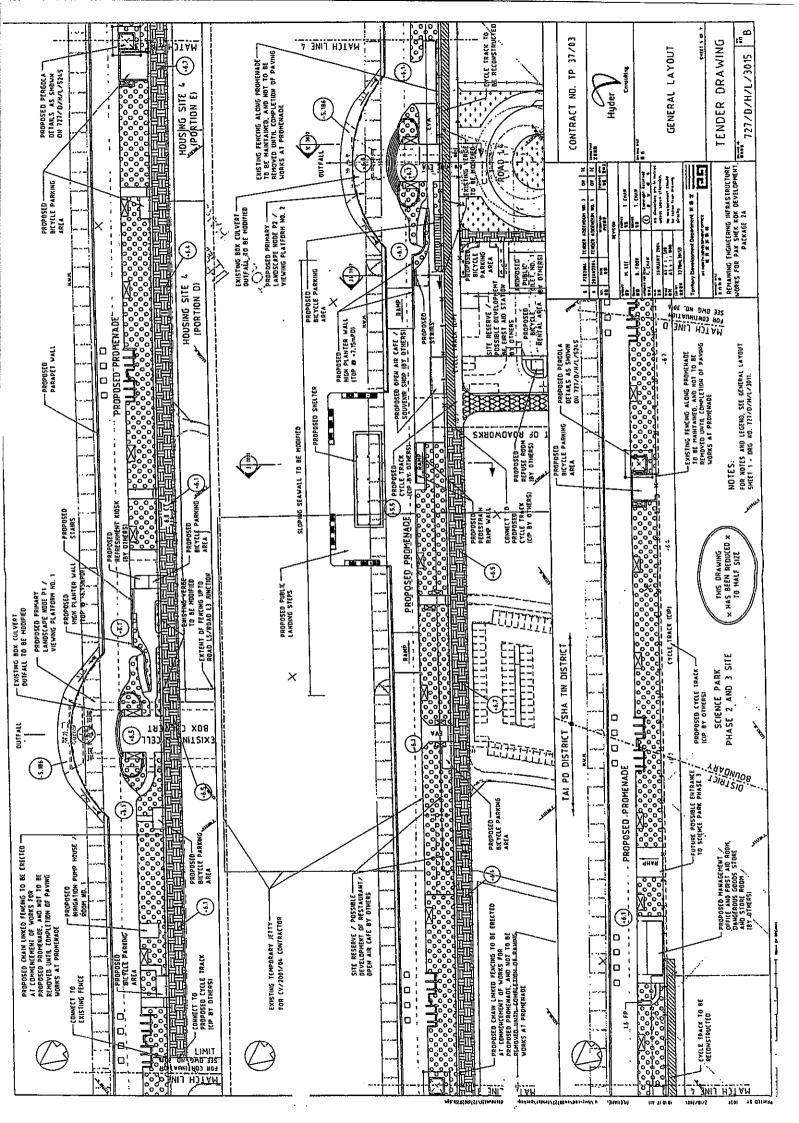


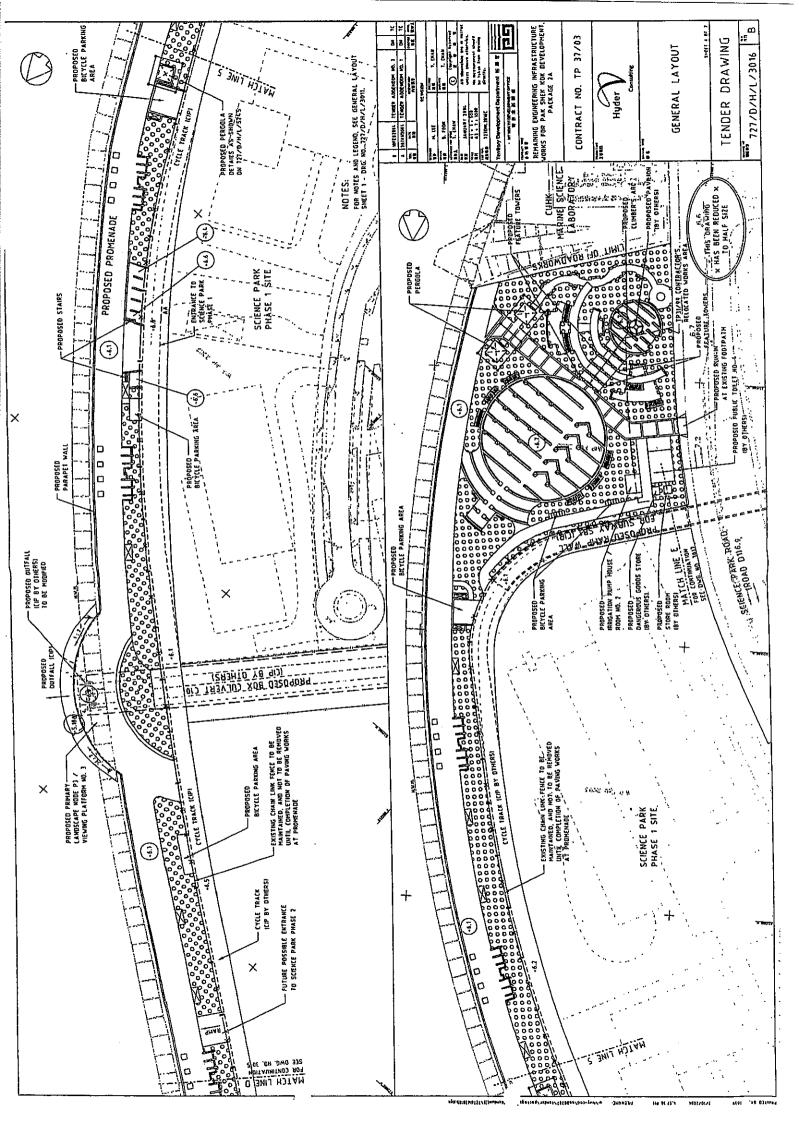


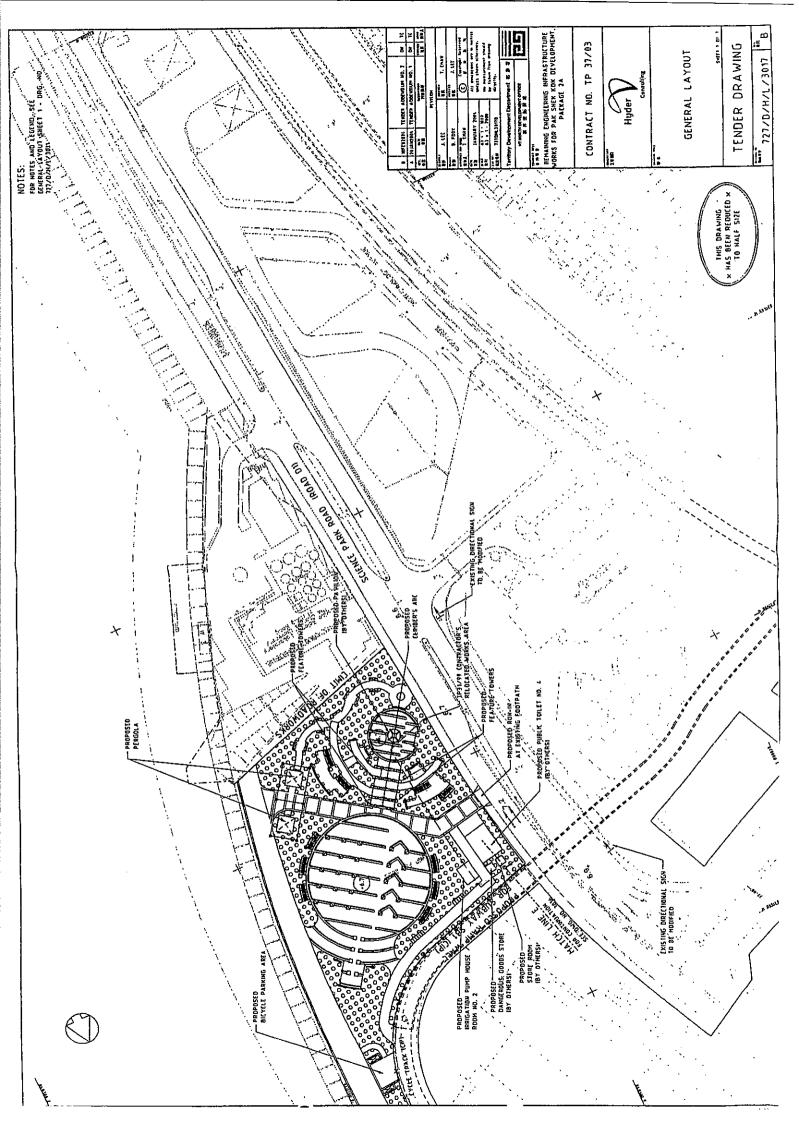














#### Appendix H

The Implementation Status
of
Mitigation Measures and Follow-up Actions during Weekly
Site Inspections

Noise enclosures, noise barriers, or portable noise barriers used where necessary.

Air compressors and hand held breakers should have noise labels. Compressors and generators should operate with door closed. Construction Noise Permits should be available for inspection.



Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

### SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

nspection Date	: 30 April 2005:	Inspected by	Name	: (RSS)	Evic Leury	(LWKJV)	2/12/
Time	od:60:		Signature		- 3		Ä

(ET) 11. Chow

: High /Moderate Low

Temperature Humidity

Sunny Fine / Overcast / Drizzle / Rain / Storm / Hazy Calm / Light / Breeze / Strong

Weather Condition

Wind

		Imple	Implementation		Remark	
	Management Masses Management	'n	Stages*	_		
		Yes	No	۷/۷		
					1	ar
Ā	All Quality	>				
	The heights from which fill materials are uropped should be controlled to proceed the heights from the heigh			_		
	During transportation by truck, material should be loaded to a level lower than the side and tall boards, and should be dampened of covered managed.	,			ļ	
	All stockpile of aggregate or spoil should be enclosed or covered and water applied in dry or windy condition.	1	†	+		
	The haul road should be either paved or regular watering.	>	1	+		
	Unpayed areas should be watered regularly to avoid dust generation.	>		1		
	The minic road around the site entrance should be kept clean and free from dust.	>				- 1
	Vehiolo encod charild be limited to 20 km/hr	>				—г
	Verificial should be immed to be simple and the signature of work site.	>				
•	Wheel washing facilities should be provided at an infance of more one.					
,	The enclosures should be around the main dust-generating activities.	> \		T		т-
	Dusty materials should be sprayed prior to loading.	<u>/</u>		1		
<u> </u>	All plant and equipment should be well maintained e.g. without black smoke emission.	>				$\neg$
•	Valuation and equipment should be switched off while not in use.	>				
	Verlieu dans equipment of the second for the second	>				
•	Open burning should be promoted.					121
≥	Noise					1
•	The constructions works should be scheduled to minimize noise nuisance.	<u>&gt;</u>		`		Т
	Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.	1				$\top$
<u> </u>	Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	>				7
	Plant known to emit noise strongly in on direction, should, where possible, should be orientated so that the noise is directed away from nearby NSRs.	>				
<u> </u>	Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	>				$\neg$
		\				_



	Mitigation Measures on Waste Management	Implementat Stages* Yes No	implementation Remark Stages* Ves No N/A	
Wat	Water Quality			
Gene	General Construction Activities			330
	Temporary ditches shall be provided to facilitate runoff discharge into appropriate watercourses, via a sediment trap / sedimentation tanks, prior to discharge.	>	#	
	Permanent drainage channels shall incorporate sediment basins / traps, and baffles.	>		$\neg$
	All traps shall incorporate oil and grease removal facilities.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		_
•	Sediment traps / sedimentation tanks shall be regular cleaned and maintained regularly.	7		T
•	All drainage facilities should be adequate for controlled release of storm flows.	> '		T
	Minimizing of exposed soil areas to reduce the potential for increased siltation and contamination of runoff.	> \		
	Open stockpiles of more than 50m² should be covered.	\ \ \ \		Т
	Temporary stockpiles of excavated materials should be covered during rainstorms.	>		T
•	Manholes should be covered and sealed.	\ \ \ \	(	_
	All chemical stores shall be contained (bunded) such that spills are not allowed to gain access to water bodies.	>	9	T
<u> </u>	Vehicles and plant should be cleaned of earth, mud and debris before leaving the site.	>		7
<u> </u>	Vehicle washing facilities should be provided at every site exit.	>		T
<u> </u>	Vehicle washing facilities should be adequate to settle out the sand and silt.	>,		$\top$
	Washing area and road exiting from washing facility should be paved.	\ \ \		Т
	Access road should have sufficient back fall toward washing facility.	A CONTRACTOR AND A CONT	Sales and Consider	
Dre	Dredging Activities			
<u> </u>	Dredging of designated contaminated marine mud shall only be undertaken by a suitable grab dredger using a close grab.	>		Т
•	Mechanical grabs shall be designed and maintained to avoid spillage and shall be seal tightly while being lifted.	>		7
	All vessels shall be sized such that adequate clearance is maintained between vessel and the sea bed and under water pipelines at all states of the tide to ensure that unding the properties in the properties of the tide to ensure that inclinity is not cenerated by turbulence from vessel movement or propeller on the water within the site.	>		
	The works shall cause no visible foam, oil, grease, scum litter or other objectionable matter to be present on the water within the site.	>		
	All barges shall be fitted with tight fitting seals to their bottom openings to prevent leakage of materials.	>		$\top$
•	Excess material shall be cleaned from the decks and exposed fittings of the barges before the vessels are moved.	>		Т
	Loading of barges shall be controlled to prevent splashing of dredging material to the surrounding water and the barges shall not be filled to a level which will cause overflowing of material or polluted water during loading or transportation.	~		
•	Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.			$\neg$



)

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

	Implementation Remark	Remark
Monanament Mosta Mananament	Stages*	
Mitigation Measures on waste management	Yes No N/A	
Filling Activities		
Use of silt screen around the filling face to reduce the losses to the surrounding.	*	
All vessels shall be sized such that adequate clearance is maintained between vessel and ure sea but and under the properties that is not nenerated by turbulence from vessel movement or propeller wash or pipelines damaged.	<u> </u>	
The works shall cause no visible foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site.	\ \ >	
<ul> <li>All barges shall be fitted with tight fitting seals to their bottom openings to prevent leakage of material.</li> </ul>	\ \ \ \	
Loading of barges shall be controlled to prevent splashing of dredged material to the surrounding water and barges shall not be filled to a level which will cause	>	
overflowing of material or polluted water during loading transportation.		
Waste management		
Marine Dredged Sediment		
Relevant licence / permits for disposal of marine dredged sediment are available for inspection.  Relevant licence / permits for disposal of marine dredged sediment are available for inspection.	,	
Bottom opening of barges is fitted with tight fitting seals to prevent leakage of material. Excess material is cleaned from the decay and exposed limiting of control of particular seals to prevent leakage of material.	>	
dredgers before the vessel is moved.  Approximately the harming free harding is conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels are equipped with		
	, ,	
is by split barge of	<u> </u>	
usposation of the harde loading to ensure that loss of material does not take place during transportation.	<u> </u>	
Construction and Demointon (Cau) waste	<i>&gt;</i>	
	\frac{1}{2}	
	7	
	/	
	7	
short period, the materials shall be centralized and stored at specific data.  All Public Fill arising from the demolition works shall be limited to a size not more than 250mm and free of reinforcement bars, timber, etc. before re-using it.	7	
Recyclable materials sorted from the site should be collected by potential recycling contractors under the Contractor's arrangement.	<i>&gt;</i>	
	7	
	>	
containers.  Proper resource planning and calculations before ordering the construction materials to be used will ensure that the wastage of the materials can be minimized  Proper resource planning and calculations before ordering the construction materials to be used will ensure that the wastage of the materials can be minimized		
	i	



		ami	Implementation	ion	Remark
	Mitigation Masseuras on Waste Management	. "	Stages*		
		γes	ટ્ટ	A/N	
.	Proper storage will minimize the damage and thus the wastage of the materials	>		_	
.	Training of site personnel in proper waste management procedures. The workers shall be constantly educated for the awareness of the proper handling of waste and to reduce the amount of waste management plan. Information to promote the the amount of waste management plan. Information to promote the			$\overline{\ \ }$	
	Waste Indiagnetical Waste	:			
•	It is required to register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its substriany required to register as a chemical waste Disposal (Chemical Waste) (General) Regulation should be observed and compiled with for control of chemical wastes.	>			
	Secondary 13 and 2000 to the Packaging, Labelling and Storage Afer use, chemical wastes (e.g. cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the Packaging, Labelling and Storage Afer use, chemical wastes (e.g. cleaning fluids, solvents, lubrication oil and fuel) should be according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.	>			
	Chemical wastes should be stored and collected by an approved operator for disposal at the Chemical Waste Treatment Facility or other licensed facility in accordance with the Chemical Waste (General) Regulation.	>			
•	Containers used for the storage of chemical wastes				
	Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed	Y			
•	Have a capacity of less than 450L unless the specification have been approved by the EPD	>			
•	Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Chemical Waste (General) Regulations and Codes of Practice	$\frac{1}{4}$		-	
	Labelling	_			
	Every container of chemical waste would bear an appropriate label, which would contain the particulars details.	>		7	
•	The waste produced would ensure that the information contained on the label is accurate and sufficient so as to enable proper and safe handling, storage and transport of the chemical waste	>			
•	Storage Area				
	Be clearly labeled and used solely for the storage of chemical waste	<u> </u>			:
	Be enclosed on at least 3 sides	7		1	
	<ul> <li>Have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20% of the total volume of waste stored in that area, whichever is the greatest</li> </ul>	>			
	Have adequate ventilation	>			1
	Be covered to prevent rainfall entering		7		
	Be arranged so that incompatible materials are adequately separated	7			
	Be clean and maintain regularly	7			
•	Disposal				
	Be via a licensed waste collector	-		7	
	To a licensed disposal facility, such as Chemical Waste Treatment Centre	_		7	
L	Be a reuser of the waste, under approval from the EPD	_		$\geq$	



		Implementation	ation	Remark
	Mitigation Measures on Waste Management	-	*	
		Yes No	N/A	
•	Spillage			
	Establish source of spill or discharge and determine nature of material, where possible halt discharge			
<u> </u>	Commencing at the source of the spill, establish all current and potential impacted areas		>	
•	Commence containment of spill using bunds made from available materials and ground water cut-off trenches where necessary		>	
ŀ	After spill is contained remove material (including contaminated soll where necessary) using pumps and/or absorbent materials		>	
•	Dispose of materials as chemical wastes		7	
•	General Refuse			
	General refuse generated on-site is in enclosed bins or compaction units separate from construction and chemical waste	`_		
•	A reputable waste collector is employed by the Contractor to remove general refuse from the site, separately from the construction and chemical waste.	>		
	General refuse generated is removed on daily or every second day basis to minimise odour, pest and litter impacts	>		
	Aluminium cans are recovered from the waste stream by individual collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be provided if feasible.	>		
٠	Office wastes are reduced through recycling of paper if volumes are large enough to warrant collection.	//		
•	Site Practice			
•	Good site practices should be adopted to clean the rubbish and litter on the construction sites so as to prevent the rubbish and litter from dropping into the nearby environment. Construction sites should be cleaned on a regular basis.			
•	The Contractor assigned worker is responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site.	>		
•	Proper storage and site practices to minimise the potential for damage or contamination of construction materials.	<u> </u>		
•	The Environmental Permit should be displaced conspicuously on site			
•	Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.	>		
•	Any unused chemicals or those with remaining functional capacity should be recycled.	<u> </u>		
•	A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be used, e.g. trip ticket system for chemical waste disposal. Quantities could be determined by weighing each load or other suitable methods.		>	
	Sultable collection sites around site offices will be required. For environmental hygiene reasons and to minimize odor, refuse should not be stored for a period exceeding 48 hours, however, removal every 24 hours is preferable.		>	
٠	Minimize windblown litter and dust during transportation by either covering trucks or transporting wastes in enclosed container.			
•	All generators, fuel and oil storage are within bundle areas.	>		
•	Oil leakage from machinery, vehicle and plant is prevented.	· /~		
.]	Chernical storage area, drainage systems, silt traps, sumps and oil interceptors are cleaned and maintained regularly.	>		

#### Table for follow-up Action:

Item	Details of defective works or observations	Location	Further action to be taken (Included persons / party to take action)	Expected Date for Action taken
#	Follow up the site inspection on 16 April	77	1 1	7-5-05
16-4-01	operating.	Sedimen Intern Jank	trectment the wastebaler before dischase	9
#	Follow up the site inspection on 23 April 2003	Public Landing step	Follow up action was completed,	N/A
23.4.of	The cuttain was repaired by contactor.	i	no further action to be taken.	
#3	Fellow up the site inspection on 23 April 2	7	Con up action was campled	N/A
21-4-04	the tree lank was knowed,	Additional Afrea	no fullher action to be laken.	
	-	77 7 7 7 7		
Remark 3	Chemicals were exposed on contractor's site	Contractiv's Site Office	Any woused chemicals should be store at	7-5-05
	1			
Demark	Proling water was accumulated at SA 14	SA 14	The contrader was reminded to	7-5-05
6			ind out	
			mosquito breeding.	
			7	
	RSS	NCX/MT	ET	
Signature:	ture:			4
Name:	Evic Leura	外水	H. T. Chos	
Date:	30 1 4 1 05	30/4/05	30 - 4 - 200	4



### SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for

Pak Shek Kok Development Package 2A

: T - May - 2+3 Inspected by Name : (RSS) Reculs Lo 00:01 : Inspection Date

Signature :

(LWKJV) Fry Lip

(ET) A.T. Chan

Condition Weather

Wind

Sunny / Fine / Overcast/ Drizzle / Rain / Storm / Hazy Calm / Light / Breeze / Strong

Temperature Humidity

: 29°C : High (Moderate) Low

<del></del>	Mitigation Magairee on Wasta Management	트	Implementation		Remark
		7	2062	4/4	
		Yes	02	N/A	
Ą	Air Quality				
<b>.</b>	The heights from which fill materials are dropped should be controlled to a practical height to minimize the fugitive dust arising from unloading.	>			
•	During transportation by truck, material should be loaded to a level lower than the side and tail boards, and should be dampened or covered before transport.	<u> </u>			
	All stockpile of aggregate or spoil should be enclosed or covered and water applied in dry or windy condition.		>		ઉ
>	The haul road should be either paved or regular watering.	>			}
	Unpaved areas should be watered regularly to avoid dust generation.	>			
•	The public road around the site enfrance should be kept clean and free from dust.	>			
	Vehicle speed should be limited to 20 km/hr.	>			
•	Wheel washing facilities should be provided at all main entrance of work site.	>			
	The enclosures should be around the main dust-generating activities.	>			
•	Dusty materials should be sprayed prior to loading.	>			
•	All plant and equipment should be well maintained e.g. without black smoke emission,	>			
	Vehicle and equipment should be switched off while not in use.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
	Open burning should be prohibited.				
Noise	ės)				
•	The constructions works should be scheduled to minimize noise nuisance.	>			
•	Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.	>			
•	Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	>			
•	Plant known to emit noise strongly in on direction, should, where possible, should be orientated so that the noise is directed away from nearby NSRs.	>			
•	Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	, \			
•	Noise enclosures, noise barriers, or portable noise barriers used where necessary.				
,	Air compressors and hand held breakers should have noise labels.				
•	Compressors and generators should operate with door closed.	`;		-	
•	Construction Noise Permits should be available for inspection.				



	Mitigation Measures on Waste Management	Implemental Stages*	Implementation Remark Stages*	Remark
		Yes No	A/N c	
Wat	Water Quality			
Gene	General Construction Activities			
	Temporary ditches shall be provided to facilitate runoff discharge into appropriate watercourses, via a sediment trap / sedimentation tanks, prior to discharge.	\ \		
,	Permanent drainage channels shall incorporate sediment basins / traps, and baffles.	>		#3
•	All traps shall incorporate oil and grease removal facilities.			
	Sediment traps / sedimentation tanks shall be regular cleaned and maintained regularly.	<u> </u>		
•	All drainage facilities should be adequate for controlled release of storm flows.	/		
	Minimizing of exposed soil areas to reduce the potential for increased siltation and contamination of runoff.	/		
	Open stockpiles of more than 50m² should be covered.	//		
•	Temporary stockpiles of excavated materials should be covered during rainstorms.	/		
•	Manholes should be covered and sealed.			
-	All chemical stores shall be contained (bunded) such that spills are not allowed to gain access to water bodies.	/~		
•	Vehicles and plant should be cleaned of earth, mud and debris before leaving the site.	<u> </u>		
•	Vehicle washing facilities should be provided at every site exit.	<u> </u>		
•	Vehicle washing facilities should be adequate to settle out the sand and silt.	Š		
•	Washing area and road exiting from washing facility should be paved.	>		
•	Access road should have sufficient back fall toward washing facility.			
Dred	Dredging Activities			
	Dredging of designated contaminated marine mud shall only be undertaken by a suitable grab dredger using a close grab.	>		
•	Mechanical grabs shall be designed and maintained to avoid spillage and shall be seal tightly while being lifted.	<u> </u>		
•	All vessels shall be sized such that adequate clearance is maintained between vessel and the sea bed and under water pipelines at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller on the water within the site.	<i></i>		
•	The works shall cause no visible foam, oil, grease, scum litter or other objectionable matter to be present on the water within the site.	S		
•	All barges shall be fitted with tight fitting seals to their bottom openings to prevent leakage of materials.	<u>/</u>		
	Excess material shall be cleaned from the decks and exposed fittings of the barges before the vessels are moved.	>		
	Loading of barges shall be controlled to prevent splashing of dredging material to the surrounding water and the barges shall not be filled to a level which will cause overflowing of material or polluted water during loading or transportation.	`		
•	Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.	<u> </u>		



### SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for

Pak Shek Kok Development Package 2A

	Mitigation Measures on Waste Management	lmple S	Implementation Remark	Remar
Filli	Filling Activities	Yes	No N/A	
•	Use of silt screen around the filling face to reduce the losses to the surrounding.			
•	All vessels shall be sized such that adequate clearance is maintained between vessel and the sea hed and under water nineline at all states of the states.	>		
	Undue turbidity is not generated by turbulence from vessel movement or propeller wash or pipelines damaged.  The works shall cause no visible from all cause on visible from all causes	>		<del>.</del>
		>		
<u>.</u>	anges shall be litted with ught htting seals to their bottom openings to prevent leakage of material.	, \		
	Loading of barges shall be controlled to prevent splashing of dredged material to the surrounding water and barges shall not be filled to a level which will cause overflowing of material or polluted water during loading transportation.	>	-	
Wa	Waste Management			<b>数据数据</b>
Mari	Marine Dredged Sediment			
•	Relevant licence / permits for disposal of marine dredged sediment are available for inspection.			
•	Bottom opening of barges is fitted with tight fitting seals to prevent leakage of material. Excess material is cleaned from the darks and expected fittings of harmonic forms.		7	
-	dredgers before the vessel is moved.		>	
,	automatic self-monitoring devices as specified by the EPD.	-		
•	Transport of dredged marine sediments to the disposal site is by split barge of not less than 750m <sup>3</sup> capacity, well maintained and capable of rapid opening and discharge at the disposal site.	1	1	
	he barge loading to ensure that loss of material does not take pla			
Con	Construction and Demolition (C&D) Wasta		<u> </u>	
	Most of the CRD materials constrained from the constrained			
	Sufficient endoce and industrial of the construction are somed immediately in-situ to find out if they can be re-used for this job site or for other job sites.	\		THE WHITE PARTY OF THE PARTY OF
	Summer it spaces are identified and provided during the construction stage for the collection, temporary storage and on-site sorting of C&D materials.		<u> </u>	
•	Proper protective measures, such as fences and tarpaulin, are provided, in order to protective the temporary stockpiled materials for later reuse / recycle.	,		
•		*	1	
•	In order to reduce the impacts to the public, except for those sorted inert C&D materials to be reused on site, all other sorted non-inert materials (e.g. general refuse and waste formworks) shall be removed off site as soon as practicable in order to optimise the use of the on-site storage space. If the non-inert materials need to be stored on site for a short period, the materials shall be centralized and stored at specific areas far away the sensitive necessary.			
•	All Public Fill arising from the demolition works shall be limited to a size not more than 250mm and free of reinforcement hars, timber etc. hefore remains the		-	
•	Recyclable materials sorted from the site should be collected by potential recycling contractors under the Contractor's arrangement	>		
•	Trip ticket system will be implemented to ensure proper waste disposal at public filing and landfills	*		
•	Appropriate measures should be employed to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	1	+	
<u>.</u>	Proper resource planning and calculations before ordering the construction materials to be used will ensure that the used calculations before ordering the construction	3		
	The manage of the minimized	>		



### SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for

Pak Shek Kok Development Package 2A

	Mitigation Measures on Waste Management	Implementation Stages*		Remark
•	Proper storage will minimize the damage and thus the wastane of the materials	Yes No	N/A	
•	Training of site personnel in proper waste management procedures. The workers shall be constantly educated for the awareness of the proper handling of waste and to reduce the amount of waste while Site Agent shall be constantly met to discuss the effectiveness of the implementation of the waste management plan. Information to promote the waste management and the reduction concert shall be prosted at the site of the shall be prosted at the site of the site of the waste management plan. Information to promote the			
•	Chemical Waste	>		
•	It is required to register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (Cap 354) and its			
•	After use, chemical wastes (e.g. cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the Packaging, Labelling and Storage	>		
•	Chemical wastes should be stored and collected by an approved operator for disposal at the Chemical Waste Treatment Facility or other licensed facility in accordance with the	\ \ \		
•	nical wastes			
•	Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed			
•	Have a capacity of less than 450L unless the specification have been approved by the EPD	>		
•	Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Chaminal Marie 10			
•	Labelling	7		
•	Every container of chemical waste would bear an appropriate label, which would contain the narticulars details			
•	The waste produced would ensure that the information contained on the label is accurate and sufficient so as to enable proper and safe handling, storage and transport of the chemical waste	>		
•	Storage Area	7		
	Be clearly labeled and used solely for the storage of chemical waste			
	• Be enclosed on at least 3 sides	7		
	<ul> <li>Have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20% of the total volume of waste stored in that area, whichever is the greatest</li> </ul>	>,		
		\ \ \		
	Be covered to prevent rainfall entering	\ \ \	1	
	• Be arranged so that incompatible materials are adequately separated	<b>&gt;</b>		
	Be clean and maintain regularly	\ \	_	
•	Disposal	~		ž.
	Be via a licensed waste collector			
	To a licensed disposal facility, such as Chemical Waste Treatment Centre	1	>,	
	Be a reuser of the waste, under approval from the EPD		$\frac{1}{}$	

東米等数が対象の有限公司 ETS-TESTCONSULT LIMITED

### SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

Spillage     Commencing at the source of the spill, establish all current and promise has discharge     Commencing at the source of the spill caused and descriment and promise the possible half discharge     Commencing at the source of the spill caused in current and potential impanded amenas     Commencing at the source of the spill caused in current and potential impanded amenas     Commencing at the source of the spill caused from another and potential managed and of the spill and purely and the spill and spill a		Mitigation Measures on Waste Management	Implementation Stages*	Remark
Establish source of spill or discharge and determine nature of material, where possible halt discharge     Commencing at the source of the spill, establish all current and potential impacted areas     Commencing at the source of the spill, establish all current and potential impacted areas     Commencing at the source of the spill, establish all current and potential impacted areas     Commencing at the source of the spill establish all current and potential impacts     Commencing at the source of the spill establish and there is a contained remove material (including containmented as chemical wastes)     General fletises generated or site is in encicsed blins or compaction units separately from the construction and chemical waste.  Alternation or are recovered from the wastes stream by Including set large enough to warrant tollection.  Alternation or are recovered from the wastes stream by Including a ledge enough to warrant tollection.  Alternation or are recovered from the wastes stream by Including a ledge enough to warrant tollection.  Alternation or are recovered from the wastes stream by Including a ledge enough to warrant tollection.  Alternation of the practices are reduced through recycling of paper if volumes are ledge enough to warrant tollection.  Alternation of the practices are reduced through recycling of paper if volumes are ledge enough to warrant tollection.  Sile Practice  Good also practices are reduced through recycling of paper if volumes are ledge enough to warrant tollection.  Sile Practice  Good also practices are reduced through recycling of practices, arrangements for collection and effective disposal to an appropriate for good still practices, arrangements for collection and effective disposal to magnitude worker is responsible for good still practices, arrangements for collection and effective still and a discording system for the amount of waste generated and evold unnecessary generation of the still council to selection and evold to receive and to retain the still and as of	•	Spillage	Yes No N/A	
Commencing at the source of the spit, establish all current and potential impacted areas Commenced to containment of spit unity burnds made from available materials and ground water cut-of frenches where necessary  After spill is contrained the spit unity burnds made from available materials and ground water cut-of frenches where necessary  After spill is contained the spit of contrained to compaction units separate from the site, separately from the construction and chemical waste  General freities  General freities  General refuses  General refuses  General refuse generated on-site is in enclosed this or compaction units separately from the site, separately from the construction and chemical waste  At reputation waste are necessary to make a second day basis to minimise about, past and filter impacts  Aurithm man are accounted from the waste stream by Individual refusions if they are segregated or easily accounted to relate the properties of the pactics of the pactics are necessary from the waste stream by Individual refusions in the properties of the pactics of the pactics are necessary from the waste stream by Individual refusions in the properties of the pactics of the pactics are necessary from the waste stream by Individual refusions in the properties and the properties are necessary from the waste stream pactics of the pactics are necessary through responsible for good site practics are necessary stream the necessary pactics and the pactics of constitution sites should be adopted to a regular basis or an unimines the potential for damper or contamination of construction resides and elegended on a regular basis or an area of the recognishment of the recogn	•	Establish source of spill or discharge and determine nature of material, where noscipte halt discharge		-
Commence containment of spill using bunds made from available materials and ground water cut-oif reaches where necessary      After spill is contained remove material (including contaminated soil where necessary) using pumps and/or absorbent materials      Dispose of materials are characterial including contaminated soil where necessary) using pumps and/or absorbent materials      General Feduce      General Feduce      A reputable waste collector is employed by the Contractor to remove general refuse from the side, separated from the construction and chemical waste      A reputable waste collector is employed by the Contractor to remove general refuse from the side, separated from the construction and chemical waste.      A reputable waste collector is employed by the Contractor to remove general refuse of from the construction and the removed on daily or every second day basis to minimise and engage from the waste stream by individual collectors if they are segregated or easily accessible, so asparate, labelled bins for their waste stream by individual collectors if they are segregated or easily accessible, so asparate, inbelled bins for their deposit stream by individual collectors if they are segregated or easily accessible, so asparate, inbelled bins for their deposit stream by individual collectors if they are segregated or easily accessible, and in the remaining functional pages or contamination of construction materials.      The Contractor assigned warders is responsible for good site practices, arrangements for collection and effective disposed to clean the remaining functional engage or contamination of construction materials could be displaced conspiciously on side      Proper accessing system for the stream and disposed pages of final degrees of final degree and are secured as a minimized or the stream of the strea	•	Commencing at the source of the spill, establish all current and notential imparted areas	>	
Central relates generated on-site is in enclosed bits ordering contaminated soil where necessary) using pumps and/or absorber makerials     Central relates     General relates     Central relates generated on-site is in enclosed bits or compaction units separate from construction and chemical waste     Central relates generated on-site is in enclosed bits or compaction units separate from construction and chemical waste  A reputable waste obleator is employed by the Contractor to remove generate relates from the site, separately from the construction and chemical waste.  A reputable waste obleator is employed by the Contractor of the basis to minkines office, peet and the reputable waste obleator is employed by the Contractor to remove generated relates generated as removed on delivery associated and the peet of relative to the contractor to remove generated in the separate in the contractor of general relates generated is removed on delivery associated by inclinities and peet of relative the peet of relative to the contractor of the peet of relative the peet of th	•	Commence containment of spill using bunds made from available materials and arraind water and office.	>	
General Retices  General Retices  General Retices  General Retices  General Retices  General retices generated or site is the noticed bins or compaction unts separate from construction and chemical waste  Aluminium cans are becovered from the wasts stream by individual collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be younged from the wasts stream by individual collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be younged from the wasts stream by individual collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be younged from the wasts stream by individual collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be seed thought recycling of paper if volumes are large enough to warrant collection.  Site Practice  Good site practices should be adopted to clean the rubbish and filter on the construction materials should be declared on a regular basis.  The Commander sestinged worker is responsible for good site practices are signed worker is responsible for good site practices.  Good site practices to minimise amount of wasts generated, enough the separated and avoid unrecessary generation of waste.  The Commander sestinged worker is responsible for good site practices are signed to determined to weighting each lead or other suttakes mention in the site of the return of wasts generated, returning that or other suttakes are signed themical so those with remaining functional capacity should be responsed.  Any unused chemicals or those with remaining functional capacity should be responsed.  Any unused chemicals or those with remaining functional capacity should be responsed.  Any unused chemical services are signed for a period and disponsed for a period services of the s	•	After spill is contained remove material (including contaminated soil where necessary) using minne and/or shock that	>	
General Refuse generated on-site is in enclosed bins or compaction units separate from construction and chemical waste  A reputable waste collector is employed by the Contractor to remove general refuse from the side, separately from the construction and chemical waste.  General refuse generated is removed on daily or every second day basis to minimise odour, peat and litter impacts  Alumifum cans are recovered from the waste stream by individual collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be  Glice wastes are reduced through recycling of paper if volumes are large enough to warrant collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be adopted to clean the rubbles and litter on the construction sites as one to prevent the nubbles and litter from dropping into the nearby environment.  The Construction sites should be adopted to dean the rubbles and litter on the construction materials.  The Construction sites should be belaned on a regular basis.  The site.  Proper storage and site practices from the potential for damage or contamination of construction materials.  The Environmental Permit should be displaced conspicuously on site.  Proper storage and site practices to minimise the potential for damage or contamination of construction materials.  The Environmental Permit should be displaced conspicuously on site.  Proper storage send site practices to minimise the potential for damage or contamination of construction materials.  The Environmental Permit should be displaced conspicuously on site.  Proper storage send site practices to minimise the potential for damage or contamination of wastes in endosed contamination of wastes.  A recording system for the amount of wastes generated and disposed for middle displaced for site of the send of disposed damage or offer situation of the send of the send of the send of the site of the send o	•	Dispose of materials as chemical wastes	7	
General refuse generated on site is in enclosed bins or compaction units separate from construction and chemical waste     A reputable waste collector is employed by the Contractor to remove general refuse from the site, separately from the construction and chemical waste.      General refuse generated is removed on daily or every second day basis to minimise odour, peat and littler impacts     Aluminim cans are recovered from the waste area by individual collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be Contractor from the waste are recovered from the waste are recovered from the waste are recovered from the waste second day braking to waste and the rubble and little in the construction sites so as to prevent the rubbleh and littler in the construction and effective disposal to an appropriate facility, of all wastes generated to Good sile practices should be defended on a regular basis.  The Contraction selector selector is separately to minimise the potential for damage or contamination of construction materials.  Proper storage and site practices to minimise the potential for damage or contamination of construction materials.  Proper storage and site practices to minimise and disposed formed disposed formation and single designed worker is responsible for good site practices, arrangements for collection and disposed formation and second or selection materials carefully to minimise amount of waste generated and and separated must disposed formation are disposed formation and second to the second of second formation and second and disposed formation and second second and second for second and second and disposed formation and disposed formati	•	General Refuse		
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<ul> <li>General refuse generated is removed on daily or every second day basis to minimise and separately from the construction and chemical waste.</li> <li>Aluminium cans are recovered from the waste stream by individual collectors if they are segregated or easily accessible, so separate, labelled birs for their deposit should be provided if feasible.</li> <li>Office wastes are reduced through recycling of paper if volumes are large enough to warrant collection.</li> <li>Sie Practice</li> <li>Good site practices should be adopted to clean the rubbles and litter on the construction sites so as to prevent the rubbles and litter on the construction sites so as to prevent the rubbles and site practices should be delaned on a regular basis.</li> <li>The Outstruction sites should be delaned on a regular basis.</li> <li>The Environmental Permit should be despaced conspicuously on site plan and stock construction materials.</li> <li>Proper storage and site practices to minimise the potential for damage or contamination of construction materials.</li> <li>The Environmental Permit should be displaced conspicuously on site plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.</li> <li>Any unused chemicals or those with remaining functional capacity should be reasons and to minimize odor, refuses should be described. For environmental rubbles online ages around site offices will be required. For environmental rubbles online collection sites around site offices will be required. For environmental rubbles in enclosed container.</li> <li>All generators, fuel and oil storage are within bundle areas.</li> <li>Oil leakage from machinery, vehicle and plant is prevented.</li> <li>Chemical storage area, drainage systems, silt traps, sumps and oil interceptors are cleaned and maintained regularly.</li> </ul>		A reputable waste collector is employed by the Contractor to remove nemeral refuse from the city.	1	
Aluminium cans are recovered from the waste stream by individual collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be growled if feasible.  Office weates are reduced through recycling of paper if volumes are large enough to warrant collection.  Site Preaches  Good site practices should be adopted to clean the nubblish and litter on the construction sites so as to prevent the nubblish and litter from dropping into the nearby environment.  The Construction sites should be adopted to clean the nubblish and litter on the construction are signed worker is responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site.  The Contactor assigned worker is responsible for good site practices, arrangements for collection and effective disposal to a regular basis.  The Environmental Permit should be displaced conspicuously on site.  Proper storage and site practices to minimise the potential for damage or contamination of construction materials.  The Environmental Permit should be displaced conspicuously on site.  Any unused chemicals or those with remaining functional capacity should be recycled.  Areording system for the amount of wastes generated, recycled and disposal disposal disposal chemities outly be determined by weighing each load or other suitable methods.  Areording system for the amount of wastes generated. For environmental hygiene reasons and to minimize outly are disputated, the requiring the required.  Are colling system for the amount of waste generated, recycled and disposal chemities could be determined by weighing each load or other suitable methods.  Areording system for the amount of wastes generated, recycled and disposal chemities outly as every and the required and plant is prevented.  All generators, fuel and oil storage are within bundle areas.  Oil teakage from machinery, vehicle and plant is prevented.  Chemical storage area, drainage systems, silt		General refuse generated is removed on daily or even second day knot to the construction and chemical waste.	<i>y</i>	Direct O
Office wastes are reduced through recycling of paper if volumes are large enough to warrant collection.  Site Practice Good site practices Good site practices around be adopted to clean the rubbleh and litter on the construction sites so as to prevent the rubbish and litter from dropping into the nearby environment.  The Contractor assigned worker is responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the formation sites should be cleaned on a regular basis.  The Environmental Permit should be displaced conspicuously on site Proper storage and site practices to minimise the potential for damage or contamination of construction materials.  The Environmental Permit should be displaced conspicuously on site Plan and stock construction materials carefully to minimise amount of waste generated and disposed (including) the disposal should be determined by weighing each bad or other suitable methods.  Any unused chemicals or those with remaining functional capacity should be recycled.  Are conding system for the amount of wastes generated, recycled and disposed (including) the disposal and disposed and disposed (including) the disposal and disposed and disposed (including).  Are conding system for the amount of wastes generated, recycled and disposed (including) the disposal and disposed and disposed (including) the disposed and disposed and disposed (including) and disposed of the disposed (including) and disposed and disposed (including) and disposed (including	<u>.                                    </u>	Aluminium cans are recovered from the waste stream by individual collectors if they are segregated or easily accessible, so separate, labelled hins for their demost should be provided if feasible.	>	
Good site practices  Good site practices  Good site practices should be adopted to clean the nubbish and litter on the construction sites so as to prevent the rubbish and litter from dropping into the nearby environment.  The Construction sites should be cleaned on a regular basis.  The Construction sites should be cleaned on a regular basis.  The Construction sites should be cleaned on a regular basis.  The Construction materials responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated and selective disposal to an appropriate facility, of all wastes generated and selective disposal sites should be displaced conspicuously on site.  Proper storage and site practices to minimise the potential for damage or contamination of construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.  Any unused chemicals or those with remaining functional capacity should be recycled.  Areording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be determined by weighing each load or other suitable methods.  Suitable collection sites around site differential.  Suitable every 24 hours is preferable.  Suitable windolown litter and dust during transportation by either covering trucks or transporting wastes in enclosed container.  All generators, fuel and oil storage are within bundle areas.  Oil leakage from machinery, vehicle and plent is prevented.  Chemical storage area, drainage systems, silt traps, surmes and oil interceptors are cleaned and maintained regularly.		Office wastes are reduced through recycling of paner if volumes are large and included through recycling of paner if volumes are large."	>	
		Site Practice	<i>&gt;</i>	
	•	Good site practices should be adopted to clean the rubbish and litter on the construction sites so as to prevent the rubbish and litter.		
	•	Construction sites should be cleaned on a regular basis.  The Contractor assigned worker is responsible for good site practices, arrangements for collections of the contractor assigned worker is responsible for good site practices.	~	D. L. C
	].	the site.		- Tolanda
		Frober storage and site practices to minimise the potential for damage or contamination of construction materials.		
		The Environmental Permit should be displaced conspicuously on site	>	
		Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary nemeration of waste	>	
		Any unused chemicals or those with remaining functional capacity should be recycled.	\ \ \	
	•		>	
		Suitable collection sites around site offices will be required. For environmental hydiena reasons and to minimize address.	>	
All generators, fuel and oil storage are within bundle areas.  Oil leakage from machinery, vehicle and plant is prevented.  Chemical storage area, drainage systems, silt traps, sumps and oil interceptors are		nours, nowever, removal every 24 hours is preferable.		
All generators, fuel and oil storage are within bundle areas.  Oil leakage from machinery, vehicle and plant is prevented.  Chemical storage area, drainage systems, silt traps, sumps and oil interceptors a	.	either covering trucks	<del>                                     </del>	
• Chemical storage area, drainage systems, silt traps, sumps and oil interceptors are cleaned and maintained regularly.	.	Oil leakage from machinery, vehicle and plant is prevented.	- <del> </del> -	
		Chemical storage area, drainage systems, silt traps, surms and oil intercenturs are cleaned and maintained.	<i>&gt;</i>	
		and mained regularly.	\	!

海林德學遊戲團曲頭公司 ETS-TESTCONSULT LIMITED

#### Table for follow-up Action:

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Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

Item	Details of defective works or observations	Location	Further action to be taken (Included nersons / party to take action)	Expected Date for Action taken
- #	Follow, up the site inspection on	Road L4	Fellew up action was completed,	A/N
Jo-4-91	The sedimentation tank at Road If was operating,	Sedimentation Tank	n to b	
#	Follow up the site inspection on 30 April 2 not.	41 BS	The contractor charled by a wanted for noverth	14-4-7
30-4-1 Pond	Tag water was still accumulated at Sh		ches to discharge run a	1
7	1 " + " + " + " + " + " + " + " + " + "	4 0		
7	All chemicals were stored of appropriate stores	(on the Toy's 57/e	Tellow up action was completed,	N/A
	1 11		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Albert C	Rubbish slet bras found full load.	Road L4	The contents in some don't hour	111
Θ			clear	1
-	J+ 1 1 1 + 1			-
Ker eye	stocker only partly has covered.	Wellewe Park Koad	the contractor was removed to	14-4-7005
			201 C 144 3 10 C	
	RSS	LWKJV		
Signature:	ure:		The state of the s	
Name:	Reds Lo	J. 120	117 11	
Date:		7 5/03	1- 4- Day	



### SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for

Pak Shek Kok Development Package 2A

Signature : Name Inspected by : 14 Hay 20 of 小:01: Inspection Date Weather Condition Wind Time

: (ASS) Evil Leury (LWK) Fath

(ET) H.T. Chas

Sunny Fine / Overcast / Drizzle / Rain / Storm / Hazy Calin / Light / Breeze / Strong

Temperature Humidity

: (High) Moderate / Low

	Mitigation Measures on Waste Management	<u>nd </u>	Implementation Stages*		Remark
		Yes	ટ	N/A	
Αir	Air Quality				
•	The heights from which fill materials are dropped should be controlled to a practical height to minimize the fugitive dust arising from unloading.				
	During transportation by truck, material should be loaded to a level lower than the side and tail boards, and should be dampened or covered before transport.	>		ļ .	
	All stockpile of aggregate or spoil should be enclosed or covered and water applied in dry or windy condition.	>			
	The haul road should be either paved or regular watering.	>			
_	Unpaved areas should be watered regularly to avoid dust generation.	>			
-	The public road around the site entrance should be kept clean and free from dust.	>		_	
-	Vehicle speed should be limited to 20 km/hr.	-			
•	Wheel washing facilities should be provided at all main entrance of work site.	>			
-	The enclosures should be around the main dust-generating activities.	\   			
-	Dusty materials should be sprayed prior to loading.				
•	All plant and equipment should be well maintained e.g. without black smoke emission.	>			
-	Vehicle and equipment should be switched off while not in use.	5		<u> </u>	
-	Open burning should be prohibited.				
Noise	ise				
•	The constructions works should be scheduled to minimize noise nuisance.				
-	Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works,	>			
•	Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	>			
•	Plant known to emit noise strongly in on direction, should, where possible, should be orientated so that the noise is directed away from nearby NSRs.	\			
-	Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	\		-	
_	Noise enclosures, noise barriers, or portable noise barriers used where necessary.	>		_	
-	Air compressors and hard breakers should have noise labels.	>			
-	Compressors and generators should operate with door closed.	>			
-	Construction Noise Permits should be available for inspection.	\ <u></u>		H	

	Mitigation Measures on Waste Management	dm	Implementation Stages*	n Remark	¥
		Yes	No N/A	Ø	
Wat	Water Quality				
Gene	General Construction Activities				
	Temporary ditches shall be provided to facilitate runoff discharge into appropriate watercourses, via a sediment trap / sedimentation tanks, prior to discharge.		>	0	
	Permanent drainage channels shall incorporate sediment basins / traps, and baffles.	>		:	
	All traps shall incorporate oil and grease removal facilities.	>			
	Sediment traps / sedimentation tanks shall be regular cleaned and maintained regularly.	<i>/</i>			
	All drainage facilities should be adequate for controlled release of storm flows.		/	: Ø	
•	Minimizing of exposed soil areas to reduce the potential for increased siltation and contamination of runoff.	$\nearrow$		_	
•	Open stockpiles of more than 50m³ should be covered.	<u> </u>			
	Temporary stockpiles of excavated materials should be covered during rainstorms.				
•	Manholes should be covered and sealed.				
•	All chemical stores shall be contained (bunded) such that spills are not allowed to gain access to water bodies.			<u> </u>	
	Vehicles and plant should be cleaned of earth, mud and debris before leaving the site.				
•	Vehicle washing facilities should be provided at every site exit.				
•	Vehicle washing facilities should be adequate to settle out the sand and silt.	>			
•	Washing area and road exiting from washing facility should be paved.	/			
•	Access road should have sufficient back fall toward washing facility.				
Dred	Dredging Activities				
•	Dredging of designated contaminated marine mud shall only be undertaken by a suitable grab dredger using a close grab.				
•	Mechanical grabs shall be designed and maintained to avoid spillage and shall be seal tightly while being lifted.	$\nearrow$			
	All vessels shall be sized such that adequate clearance is maintained between vessel and the sea bed and under water pipelines at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller on the water within the site.				
	The works shall cause no visible foam, oil, grease, scum litter or other objectionable matter to be present on the water within the site.				
-	All barges shall be fitted with tight fitting seals to their bottom openings to prevent leakage of materials.	>			
-	Excess material shall be cleaned from the decks and exposed fittings of the barges before the vessels are moved.	>			
in:	Loading of barges shall be controlled to prevent splashing of dredging material to the surrounding water and the barges shall not be filled to a level which will cause overflowing of material or polluted water during loading or transportation.	>			
	Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.	>			



3

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

		jami	Implementation		Remark
	Mitigation Measures on Waste Management		Stages*		
		Yes	No N	N/A	
Filling Activities	ities				
• Use	Use of silt screen around the filling face to reduce the losses to the surrounding.	>			
All ve undus	All vessels shall be sized such that adequate clearance is maintained between vessel and the sea bed and under water pipeline at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash or pipelines damaged.	>			
- The v	The works shall cause no visible foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site.	>			
■ All ba	All barges shall be fitted with tight fitting seals to their bottom openings to prevent leakage of material.	>			
■ Loadí overfí	Loading of barges shall be controlled to prevent splashing of dredged material to the surrounding water and barges shall not be filled to a level which will cause overflowing of material or polluted water during loading transportation.				
Waste Ma	Waste Management				
Marine Drec	Marine Dredged Sediment				
• Releva	Relevant licence / permits for disposal of marine dredged sediment are available for inspection.				
Bottor dredg	Bottom opening of barges is fitted with tight fitting seals to prevent leakage of material. Excess material is cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved.	>	:		
Monito     auton	Monitoring of the barging loading is conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels are equipped with automatic self-monitoring devices as specified by the EPD.	>			
Transl     dispo	Transport of dredged marine sediments to the disposal site is by split barge of not less than 750m² capacity, well maintained and capable of rapid opening and discharge at the disposal site.	>			
• Inspec	Inspection of the barge loading to ensure that loss of material does not take place during transportation.				
Constructio	Construction and Demolition (C&D) Waste				
• Most c	Most of the C&D materials generated from the construction are sorted immediately in-situ to find out if they can be re-used for this job site or for other job sites.				
Sufficie	Sufficient spaces are identified and provided during the construction stage for the collection, temporary storage and on-site sorting of C&D materials.	>			
• Proper	Proper protective measures, such as fences and tarpaulin, are provided, in order to protective the temporary stockpiled materials for later reuse / recycle.	>			
• Avoidi	Avoiding cross contamination to reusable and / or recyclable materials collected (e.g. covering the reusable materials)	>			
• In order formw	In order to reduce the impacts to the public, except for those sorted inert C&D materials to be reused on site, all other sorted non-inert materials (e.g. general refuse and waste formworks) shall be removed off site as soon as practicable in order to optimise the use of the on-site storage space. If the non-inert materials need to be stored on site for a short period, the materials shall be centralized and stored at specific areas far away the sensitive receivers.	>			
• All Put	All Public Fill arising from the demolition works shall be limited to a size not more than 250mm and free of reinforcement bars, timber, etc. before re-using it.	>			
Recyc	Recyclable materials sorted from the site should be collected by potential recycling contractors under the Contractor's arrangement.		7		
• Trip tic	Trip ticket system will be implemented to ensure proper waste disposal at public filing and landfills		7		
Appropriate containers.	Appropriate measures should be employed to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	>			
• Proper	Proper resource planning and calculations before ordering the construction materials to be used will ensure that the wastage of the materials can be minimized	>			



		molumi	Implementation	Jac mod 1
	Mitigation Measures on Waste Management	Sta	Stages*	
		Yes	No N/A	·
•	Proper storage will minimize the damage and thus the wastage of the materials	/		
•	Training of site personnel in proper waste management procedures. The workers shall be constantly educated for the awareness of the proper handling of waste and to reduce the amount of waste while Site Agent shall be constantly met to discuss the effectiveness of the implementation of the waste management plan. Information to promote the waste management and the reduction concept shall be posted at the site to raise alertness of the personnel concerned.	>		
<u> </u>	Chemical Waste			_
•	It is required to register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and compiled with for control of chemical wastes.	>		
	After use, chemical wastes (e.g. cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.	5		
•	Chemical wastes should be stored and collected by an approved operator for disposal at the Chemical Waste Treatment Facility or other licensed facility in accordance with the Chemical Waste (General) Regulation.	>		
•	Containers used for the storage of chemical wastes			
•	Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed	<u> </u>		
·	Have a capacity of less than 450L unless the specification have been approved by the EPD	>		
•	Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Chemical Waste (General) Regulations and Codes of Practice			
•	Labelling	>		
•	Every container of chemical waste would bear an appropriate label, which would contain the particulars details.			
•	The waste produced would ensure that the information contained on the label is accurate and sufficient so as to enable proper and safe handling, storage and transport of the chemical waste	>		
•	Storage Area			
	<ul> <li>Be clearly labeled and used solely for the storage of chemical waste</li> </ul>	\	_	
	Be enclosed on at least 3 sides	>>		
	<ul> <li>Have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20% of the total volume of waste stored in that area, whichever is the greatest</li> </ul>	>		
	• Have adequate ventilation			
	Be covered to prevent rainfall entering		-	
	Be arranged so that incompatible materials are adequately separated	>		
	Be clean and maintain regularly	>		
•	Disposal			
	Be via a licensed waste collector		>	
	• To a licensed disposal facility, such as Chemical Waste Treatment Centre		>	ļ
	• Be a reuser of the waste, under approval from the EPD			
ı			,	



### SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

Mitigation Measures on Waste Management	Implementation Stages*	ementatio Stages*	n Remark	ark
Onilloan	Yes	No N/A	A	
afigura				
Establish source of spill or discharge and determine nature of material, where possible halt discharge				
Commencing at the source of the spill, establish all current and potential impacted areas		1		
Commence containment of spill using bunds made from available materials and ground water cut-off trenches where necessary		<u>}</u>		
After spill is contained remove material (including contaminated soil where necessary) using pumps and/or absorbent materials		7		T
Dispose of materials as chemical wastes	-			
General Refuse		<u>&gt;</u>	1	
General refuse generated on-site is in enclosed bins or compaction units separate from construction and chemical waste				
A reputable waste collector is employed by the Contractor to remove general refuse from the site, separately from the construction and chemical waste.	\ \ ?	-	-	
General refuse generated is removed on daily or every second day basis to minimise odour, pest and litter impacts	\ \ \	-		
Aluminium cans are recovered from the waste stream by individual collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be provided if feasible.				
Office wastes are reduced through recycling of paper if volumes are large enough to warrant collection.	>			
Site Practice	>			
Good site practices should be adopted to clean the rubbish and litter on the construction sites so as to prevent the rubbish and litter from dropping into the nearby environment. Construction sites should be cleaned on a regular basis.				
The Contractor assigned worker is responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site.				
Proper storage and site practices to minimise the potential for damage or contamination of construction materials.	>		-	
The Environmental Permit should be displaced conspicuously on site	7			
Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.	*	-		T
Any unused chemicals or those with remaining functional capacity should be recycled.	<u> </u>	+	1	
A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be used, e.g. trip ticket system for chemical waste disposal. Quantities could be determined by weighing each load or other suitable methods	>	-	9	
Suitable collection sites around site offices will be required. For environmental hygiene reasons and to minimize odor, refuse should not be stored for a period exceeding 48 hours, however, removal every 24 hours is preferable	>		_	
Minimize windblown litter and dust during transportation by either covering trucks or transporting wastes in enclosed container.	1			
All generators, fuel and oil storage are within bundle areas.	1	1		
Oil leakage from machinery, vehicle and plant is prevented.	\ \ \	-		
Chemical storage area, drainage systems, slit traps, sumps and oil interceptors are cleaned and maintained requiarly.	<del> </del>			$\top$
	_ >	_	_	-

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#### Table for follow-up Action:

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

Item	Details of defective works or observations	Location	Further action to be taken (Included persons / party to take action)	Expected Date for Action taken
#	Follow up the site inspection on 30 April 2004, temporary ditches for discharge runoff was	SA 14	Follow up action was completel,	N/A
#2	Follow up the site inspection on I May 2003, the rubbish was clear ant from the skip.	Road L4	tollow up action was completed,	N/A
***	Follow up the site inspection on I Hay dook, stockpile at Science Park Road Additional Area was covered.	Science Park Road Additional Area	Follow up action has completed, no further action to be taken.	N/A
Remark	Flammable chemical was exposed on storage.	Contractor's Surage Area	the contrator was reminded to covered the chemial to prevent sunlight shows a directly.	21-5-2001
Remark	Remak Dischage pit at 5413 was not controlled & release of rainflows adequately.	SA 13 (Between Alocks)	The contrator should be adequate for controlled release of storm flows.	21-4-2004
	BSS	I WK.IV	\$-11.	
Signature:	7	(0)	A No.	
Name:	Frie Leuna	Benty	H. T. Chorl	
Date:	14-5.02	50(≥)}i	14-1-200	700

### SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

N. A. M. (ET) H.T. Chas (LWKJV) : (RSS) Reule Co Signature : inspected by Name : 21 Hay 2005 10230 Inspection Date Weather Condition Wind

: 公司の 37 C : (High Moderate / Low Temperature Humidity

	Implementation Remark Stages*
39°C : (Hgh) Moderate / Low	
Temperature Humidity	
: Sunny / Fine (Overcast Drizzle / Rain / Storm / Hazy : Calm (Light / Breeze / Strong	Mitigation Measures on Waste Management
Condition Wind	

· · · · · ·	Mitigation Measures on Waste Management	Imple S	Implementation Stages*	Remark	J.
Air	Air Quality	Yes	No N/A	<u> </u>	
Č	Anamy Anamy				磁
•	The heights from which fill materials are dropped should be controlled to a practical height to minimize the fugitive dust arising from unloading.				9
	During transportation by truck, material should be loaded to a level lower than the side and tall boards, and should be dampened or covered before transport.		-		Т
•	All stockpile of aggregate or spoil should be enclosed or covered and water applied in dry or windy condition.	, >			Т
•	The haul road should be either paved or regular watering.	,			1
•	Unpaved areas should be watered regularly to avoid dust generation.	1			T
•	The public road around the site entrance should be kept clean and free from dust.	*			$\top$
•	Vehicle speed should be limited to 20 km/hr.				Τ
•	Wheel washing facilities should be provided at all main entrance of work site.	,			η-
•	The enclosures should be around the main dust-generating activities.	*			$\overline{}$
•	Dusty materials should be sprayed prior to loading.	*			Τ.
•	All plant and equipment should be well maintained e.g. without black smoke emission.	*			
•	Vehicle and equipment should be switched off while not in use.	>			1
•	Open burning should be prohibited.	*	+		Т
Noise	9S	\ \ \			ジ
•	The constructions works should be scheduled to minimize noise nuisance.				<b>2</b> 2
•	Only well maintained plant should be operated on site and plant should be serviced regularly during the construction works.	*			
•	Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.				_
•	Plant known to emit noise strongly in on direction, should, where possible, should be orientated so that the noise is directed away from nearby NSRs.	*			$\top$
•	Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	,			_
•	Noise enclosures, noise barriers, or portable noise barriers used where necessary.	*			-
•	Air compressors and hand held breakers should have noise labels.	,			7
•	Compressors and generators should operate with door closed.	*			_
•	Construction Noise Permits should be available for inspection.	7			Т
		<u> </u>			_



		lmple	menta	tion	Implementation Remark
	Mitigation Measures on Waste Management	S	Stages*	_	
		Yes	S S	¥	
Wat	Water Quality				
Gene	General Construction Activities				
•	Temporary ditches shall be provided to facilitate runoff discharge into appropriate watercourses, via a sediment trap / sedimentation tanks, prior to discharge.				0
•	Permanent drainage channels shall incorporate sediment basins / traps, and baffles.				
•	All traps shall incorporate oil and grease removal facilities.				
•	Sediment traps / sedimentation tanks shall be regular cleaned and maintained regularly.	/			
	All drainage facilities should be adequate for controlled release of storm flows.	/			
•	Minimizing of exposed soil areas to reduce the potential for increased siltation and contamination of runoff.			_	
•	Open stockpiles of more than 50m <sup>3</sup> should be covered.	/			
•	Temporary stockpiles of excavated materials should be covered during rainstorms.				
•	Manholes should be covered and sealed.				
•	All chemical stores shall be contained (bunded) such that spills are not allowed to gain access to water bodies.	/			
•	Vehicles and plant should be cleaned of earth, mud and debris before leaving the site.				
•	Vehicle washing facilities should be provided at every site exit.				
•	Vehicle washing facilities should be adequate to settle out the sand and silt.				
•	Washing area and road exiting from washing facility should be paved.	//			-
•	Access road should have sufficient back fall toward washing facility.	/			
Dred	Dredging Activities				
•	Dredging of designated contaminated marine mud shall only be undertaken by a suitable grab dredger using a close grab.	//			
•	Mechanical grabs shall be designed and maintained to avoid spillage and shall be seal tightly while being lifted.				
<b>E</b>	All vessels shall be sized such that adequate clearance is maintained between vessel and the sea bed and under water pipelines at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller on the water within the site.	/			
•	The works shall cause no visible foam, oil, grease, scum litter or other objectionable matter to be present on the water within the site.	/			
•	All barges shall be fitted with tight fitting seals to their bottom openings to prevent leakage of materials.	/			
•	Excess material shall be cleaned from the decks and exposed fittings of the barges before the vessels are moved.	>			
•	Loading of barges shall be controlled to prevent splashing of dredging material to the surrounding water and the barges shall not be filled to a level which will cause overflowing of material or polluted water during loading or transportation.	1/			
•	Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.	7			
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### SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for

Pak Shek Kok Development Package 2A

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All vesses is table be start authority that adequate the chearence is marked between vessel and the sea bed and under water pipaline at all states of the tide to cause that All vesses is table be start and the adequate the adequate is marked between vessel movement of progelle vess	FIII	ling Activities	_	N/A	THE PERSON NAMED IN
All vessels shall be sized such that adequate clearance is maintained betwurdue turbidity is not generated by turbulence from vessel movement or by The works shall cause no visible foam, oil, grease, scum, litter or other obj.  All barges shall be fitted with light fitting seals to their bottom openings to i Loading of barges shall be fitted with light fitting seals to their bottom openings to j werflowing of material or polluted water during loading transportation.  Waste Management  Helevant licence / permits for disposal of marine dredged sediment are availated bortom opening of barges is fitted with tight fitting seals to prevent leakage of dredged sediment  Bottom opening of barges is fitted with tight fitting seals to prevent leakage of dredged sediment  Belevant licence / permits for disposal of marine dredged sediment are availated bortom opening of the barging loading is conducted to ensure that loss of material dredged sediments self-monitoring devices as specified by the EPD.  Transport of dredged marine sediments to the disposal site is by split barge of disposal site.  Inspection of the barge loading to ensure that loss of material does not take pit onstruction and Demolition (C&D) Waste  Most of the C&D materials generated from the construction are sorted immedia Sufficient spaces are identified and provided during the construction singe for I Proper protective measures, such as fences and tarpaulin, are provided, in ord Avoiding cross contamination to reusable and / or recyclable materials collected in order to optimis short period, the materials shall be removed off site as soon as practicable in order to optimis short period, the materials sorted from the site should be collected by potential recyc Trip ticket system will be implemented to ensure proper waste disposal at public containers.  Proper resource planning and calculations before ordering the construction materials.	•	screen around the filling face to reduce the losses to the sturror			
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Inspection of the barge loading to ensure that loss of material does not take pit construction and Demolition (C&D) Waste  Most of the C&D materials generated from the construction are sorted immedia. Sufficient spaces are identified and provided during the construction stage for the Proper protective measures, such as fences and tarpaulin, are provided, in ord Avoiding cross contamination to reusable and / or recyclable materials collecter in order to reduce the impacts to the public, except for those sorted inert C&D i formworks) shall be removed off site as soon as practicable in order to optimis short period, the materials shall be centralized and stored at specific areas far All Public Fill arising from the demolition works shall be limited to a size not mon Recyclable materials sorted from the site should be collected by potential recycling ticket system will be implemented to ensure proper waste disposal at public Appropriate measures should be employed to minimise windblown litter and ducontainers.  Proper resource planning and calculations before ordering the construction materials and such and an experimental and calculations before ordering the construction materials and such and an experimental and calculations before ordering the construction materials and such as a second and an experimental and calculations before ordering the construction materials and such as a second and an experimental and such an experimental and calculations before ordering the construction materials and such as a second and an experimental and such an experimental and such an experimental and such as a second and an experimental and such as a second an		Transport of dredged marine sediments to the disposal site is by split barge of not less than 750m³ capacity, well maintained and capable of rapid opening and discharge at the disposal site.	>		
Proper protective materials generated from the construction are sorted immediant of the C&D materials generated from the construction are sorted immediant of the C&D materials generated from the construction are sorted immediant of the C&D materials and provided during the construction stage for proper protective measures, such as fences and tarpaulin, are provided, in order to reduce the impacts to the public, except for those sorted inert C&D formworks) shall be removed off site as soon as practicable in order to optimis short period, the materials shall be centralized and stored at specific areas far All Public Fill artising from the demolition works shall be limited to a size not mo Recyclable materials sorted from the site should be collected by potential recyclable materials sorted from the site should be collected by potential recyclable measures should be employed to minimise windblown litter and discontainers.  Proper resource planning and calculations before ordering the construction ma	•	Inspection of the barge loading to ensure that loss of material does not take place during transportation.	<u> </u>		
Most of the C&D materials generated from the construction are sorted immedia Sufficient spaces are identified and provided during the construction stage for Proper protective measures, such as fences and tarpaulin, are provided, in orce Avoiding cross contamination to reusable and / or recyclable materials collecte in order to reduce the impacts to the public, except for those sorted inert C&D formworks) shall be removed off site as soon as practicable in order to optimis short period, the materials shall be centralized and stored at specific areas far All Public Fill arising from the demolition works shall be limited to a size not mo Recyclable materials sorted from the site should be collected by potential recyc Trip ticket system will be implemented to ensure proper waste disposal at public containers.  Proper resource planning and calculations before ordering the construction ma	S	nstruction and Demolition (C&D) Waste	ACTION DESIGNATION OF THE PERSON OF THE PERS	THE DESCRIPTION OF	The Paris Republic
Sufficient spaces are identified and provided during the construction stage for Proper protective measures, such as fences and tarpaulin, are provided, in orc Avoiding cross contamination to reusable and / or recyclable materials collecte In order to reduce the impacts to the public, except for those sorted inert C&D formworks) shall be removed off site as soon as practicable in order to optimic short period, the materials shall be centralized and stored at specific areas far All Public Fill arising from the demolition works shall be limited to a size not mo Recyclable materials sorted from the site should be collected by potential recyclable materials should be employed to ensure proper waste disposal at public Appropriate measures should be employed to minimise windblown litter and ducontainers.  Proper resource planning and calculations before ordering the construction ma	•	Most of the C&D materials generated from the construction are sorted immediately in situ to find out if they can he re-used for this tohesteen the construction are sorted immediately in situ to find out if they can he re-used for this tohesteen the construction are sorted immediately in situ to find out if they can he re-used for this tohesteen the construction are sorted immediately in situ to find out if they can he re-used for this tohesteen the construction are sorted immediately in situ to find out if they can he re-used for this tohesteen the construction are sorted immediately in situ to find out if they can he re-used for this tohesteen the construction are sorted immediately in situ to find out if they can he re-used for this construction are sorted immediately in situ to find out if they can he re-used for this construction are sorted immediately in situ to find out if they can he re-used for this construction are sorted immediately in situ to find out if they can he re-used for this construction are sorted in situ to the construction and the construction are sorted in situ to the co			
Proper protective measures, such as fences and tarpaulin, are provided, in orc Avoiding cross contamination to reusable and / or recyclable materials collecte in order to reduce the impacts to the public, except for those sorted inert C&D formworks) shall be removed off site as soon as practicable in order to optimis short period, the materials shall be centralized and stored at specific areas far All Public Fill arising from the demolition works shall be limited to a size not mo Recyclable materials sorted from the site should be collected by potential recy.  Trip ticket system will be implemented to ensure proper waste disposal at public containers.  Proper resource planning and calculations before ordering the construction ma	•	Sufficient spaces are identified and provided during the construction stage for the collection termonary streams and on the construction stage for the collection termonary streams and on the construction stage.			
Avoiding cross contamination to reusable and / or recyclable materials collected in order to reduce the impacts to the public, except for those sorted inert C&D formworks) shall be removed off site as soon as practicable in order to optimic short period, the materials shall be centralized and stored at specific areas far All Public Fill arising from the demolition works shall be limited to a size not mo Recyclable materials sorted from the site should be collected by potential recyclable materials sorted from the site should be collected by potential recyclable materials sorted from the site should be collected by potential recyclable measures should be employed to minimise windblown litter and ducontainers.  Proper resource planning and calculations before ordering the construction ma	<u> </u> .	Proper protective measures, such as fences and tarpaulin, are provided, in order to protective the temporary stockolled materials for later reuse.	1		
In order to reduce the impacts to the public, except for those sorted inert C&D formworks) shall be removed off site as soon as practicable in order to optimic short period, the materials shall be centralized and stored at specific areas fan All Public Fill arising from the demolition works shall be limited to a size not mo Recyclable materials sorted from the site should be collected by potential recyclable materials sorted from the site should be collected by potential recyclable materials sorted from the site should be collected by potential recyclable materials sorted from the site should be consume proper waste disposal at public containers.  Proper resource planning and calculations before ordering the construction materials.	•	Avoiding cross contamination to reusable and / or recyclable materials collected (e.g. covering the reusable materials)	\ \?\		
All Public Fill arising from the demolition works shall be limited to a size not mo Recyclable materials sorted from the site should be collected by potential recyc Trip ticket system will be implemented to ensure proper waste disposal at public Appropriate measures should be employed to minimise windblown litter and ducontainers.  Proper resource planning and calculations before ordering the construction ma	•	In order to reduce the impacts to the public, except for those sorted inert C&D materials to be reused on site, all other sorted non-inert materials (e.g. general refuse and waste formworks) shall be removed off site as soon as practicable in order to optimise the use of the on-site storage space. If the non-inert materials need to be stored on site for a short period, the materials shall be centralized and stored at specific areas far away the sensitive receivers.			
Recyclable materials sorted from the site should be collected by potential recyc  Trip ticket system will be implemented to ensure proper waste disposal at publi Appropriate measures should be employed to minimise windblown litter and du containers.  Proper resource planning and calculations before ordering the construction ma	•	All Public Fill arising from the demolition works shall be limited to a size not more than 250mm and free of reinforcement bars, timber, etc. before re-using it			
Trip ticket system will be implemented to ensure proper waste disposal at publi Appropriate measures should be employed to minimise windblown litter and du containers.  Proper resource planning and calculations before ordering the construction ma		Recyclable materials sorted from the site should be collected by potential recycling contractors under the Contractor's arrangement.	\ 		
Appropriate measures should be employed to minimise windblown litter and du containers.  Proper resource planning and calculations before ordering the construction ma	•	Trip ticket system will be implemented to ensure proper waste disposal at public filing and landfills	\ 		
Proper resource planning and calculations before ordering the construction ma	•	Appropriate measures should be employed to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.		>	
	•	Proper resource planning and calculations before ordering the construction materials to be used will ensure that the wastage of the materials can be minimized	>		

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### SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for

Pak Shek Kok Development Package 2A

	Mitigation Moscusson	Impler	nentati	Implementation   Remark	nark
	minganon measures on waste management	St	Stages*		
•	Proper storage will minimize the damage and thus the wastage of the materials	Yes	No No No	4	
•	Training of site personnel in proper waste management procedures. The workers shall be populated to the personnel in proper waste management procedures.	>			
	the amount of waste while Site Agent shall be constantly met to discuss the effectiveness of the implementation of the waste management plan. Information to promote the waste management plan. Information to promote the				
•	Chemical Waste	>	_	_	
	It is required to register as a cheminal waste prominent the cheminal waste.				
	subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be cheaved and committed with for committee of the Waste Disposal (Chemical Waste) (General) Regulation should be cheaved and committee of the waste Disposal (Chemical Waste) (General) Regulation should be cheaved and committee of the chemical of the chemical waste Disposal (Chemical Waste) (General) Regulation should be cheaved and committee of the chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) (General) Regulation should be chemical waste Disposal (Chemical Waste) Regulation should be chemical waste Disposal (Chemical Waste) Regulation should be chemical waste Disposal (Chemical Waste) Regulation should be chemical waste Disposal (Chemical Waste	_			
•	After use, chemical wastes (e.g. cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the Packaging 1 Jahrens	<del> </del>	+		
•	by stored and colladed by an arrange at bit	<u>_</u>			
	Chemical Waste (General) Regulation.	\			
•	Containers used for the storage of chemical wastes	 >			
•	Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and condition and condition and conditions.				
•	Have a papacity of less than AEO in least that AEO in least the AEO in the AE	>			
	tace appainty of less trial 43or, triffess the specification have been approved by the EPD			_	
•	Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Chemical Waste (General) Regulations and Codes of Practice	,			T
•	Labelling	<del> </del>		-	
•	Every container of chemical waste would hear an annrondate label which would contain the				
	The waste produced would ensure that the information contained on the label is accurate and sufficient so as to enable months are sufficient so as to enable months and sufficient so as to enable months are sufficient so as to enable months and sufficient so as to enable months and sufficient so as to enable months are sufficient so as to enable months and sufficient so as to enable months are sufficient so enable months and sufficient so as to enable months are sufficient so as to en	>	-		
	chemical waste	_			
•	Storage Area	<b>X</b>			
	Be clearly labeled and used solely for the storage of chemical waste	`			
	• Be enclosed on at least 3 sides	7	+		
	• Have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20% of the total volume of waste	7	-	4	1
	• Have adentiate confidence	<u> </u>	_		
	ייין מייים לייים אייים איים אייים אי				
	Be covered to prevent rainfall entering	<u> </u>	  -	-	T
	Be arranged so that incompatible materials are adequately separated	<del> </del>	+		
	Be clean and maintain regularly	<b>&gt;</b>		-	
•	Disposal	\ \	_	· .	
	Be via a licensed waste collector				
	To the discussion waste confected		[ ]	_	
			,   >		Τ
	Be a reuser of the waste, under approval from the EPD	-		+	
ļ		-	> 		



<u></u>	Mitigation Measures on Waste Management	dw]	Implementation Stages*	Remark
•_	Spillage	Yes	No N/A	
•	Establish source of spill or discharge and determine nature of material, where possible halt discharge			
•		-	\ \ \	
•	Commence containment of spill using bunds made from available materials and pround water out of the containment of spill using bunds made from available materials and pround water out of the containment of spill using bunds made from available materials.	1	>	
•	After spill is contained remove material (including contaminated soil where necessary) using purms and/or shouthant materials.	1	>	
•	Dispose of materials as chemical wastes	4		
•	General Refuse		<i>&gt;</i>	
•	General refuse generated on-site is in enclosed bins or compaction units separate from construction and chemical waste			
•	A reputable waste collector is employed by the Contractor to remove general refuse from the site, separately from the construction and chamical users.	>		
•	General refuse generated is removed on daily or every second day basis to minimise odour, pest and litter impacts	*		
•	Aluminium cans are recovered from the waste stream by individual collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be provided if feasible.	>		
•	Office wastes are reduced through recycling of paper if volumes are large enough to warrant collection	<u>&gt;</u>		
•	Site Practice	$\geq$		
•	Good site practices should be adopted to clean the rubbish and litter on the construction sites so as to prevent the rubbish and litter from dropping into the nearby environment. Construction sites should be cleaned on a remiar hasis			
	ite practices, arranger	7,		
•	Proper storage and site practices to minimise the potential for damage or contamination of construction materials.	> `		
•	The Environmental Permit should be displaced conspicuously on site	1		
•	Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste	<u> </u>		
•	Any unused chemicals or those with remaining functional capacity should be recycled.	1		
• ]	A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be used, e.g. trip ticket system for chemical waste disposal. Quantities could be determined by weighing each load or other suitable methods	1		
•	Suitable collection sites around site offices will be required. For environmental hygiene reasons and to minimize odor, refuse should not be stored for a period exceeding 48 hours, however, removal every 24 hours is preferable.			
•	Minimize windblown litter and dust during transportation by either covering trucks or transporting wastes in enclosed container	2		
•	All generators, fuel and oil storage are within bundle areas.	> \		
•	Oil leakage from machinery, vehicle and plant is prevented.	>		
•	Chemical storage area, drainage systems, silt traps, sumps and oil intercentors are cleaned and maintained companies.	X		
	יייי ביייי ביייי ביייי ביייי ביייי ביייי בייייי	$\geq$		

Table for follow-up Action:

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

	A LAUN.	Table 10110W-up Action	<u>-</u> 1	
ltem	Details of defective works or observations	Location		Expected Date
#	Follow up the site inspection on 14 Hay 200t. A laminable chemical was removed.	Contractors storage area	(Included persons / party to take action)  Follow up action was completed,  no Luxther action to be talk to	for Action taken
# 7	tellus, up the site inspection on 14 May 2011. Temporary ditches was provided for release	SA 13 Chetusen made 2 & mode 3)	un ac	N/A
Renark	Parding water was accumulated at Road 14.	Road 24 (new node 2)	The contractor was reminded to prevent	28-5-20ct
			mosquille breeding.	
Signature:	re:	LWKJV	ET.	
Name:	Red Co	30	The state of the s	
Date:	71/5/03	7 × 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0 ×	H. T.	7
			1 1	



# SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for

Pak Shek Kok Development Package 2A

E : (RSS) Slunny Jeuns (LWKJN) Ferther B. Temperature : (High) Mode Signature : : Sunny / Fine (Overcast //brizzle / Rain / Storm / Hazy : Calm //Light / Breeze / Strong Name : 28 Hay Inspected by : 10:35 Inspection Date Weather Condition Wind

(ET) H.T. Chas

: (High) Moderate / Low

	Mitigation Measures on Waste Management	Implementation Remark Stages*	lementati Stages*	on Re	emark
71.0	Air Cualitu	Yes	No	N/A	
į	Quality				
•	The heights from which fill materials are dropped should be controlled to a practical height to minimize the fugitive dust arising from unloading.		_		
•	During transportation by truck, material should be loaded to a level lower than the side and tail boards, and should be dampened or covered before transport.	<del> </del>	+		
•	All stockpile of aggregate or spoil should be enclosed or covered and water applied in dry or windy condition.		+	+	
•	The haul road should be either paved or regular watering.	<u></u>		+	
•	Unpaved areas should be watered regularly to avoid dust generation.	,	+	-	
•	The public road around the site entrance should be kept clean and free from dust.	*	+	+	
•	Vehicle speed should be limited to 20 km/hr.	\ \ \	+	+	
•	Wheel washing facilities should be provided at all main entrance of work site,	<u> </u>	<u> </u>	<u> </u>	
	The enclosures should be around the main dust generating activities.	<del> </del>	-	$\frac{1}{\sqrt{1}}$	
•	Dusty materials should be sprayed prior to loading.		K	+	
•	All plant and equipment should be well maintained e.g. without black smoke emission.	*\ \ \	-	ļ	

•					
	Noico	 ^		-	
	NOISE				
	* The constructions works should be scheduled to minimize naise automate				
	מינים היינים ביינים ביי	>			
	<ul> <li>Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.</li> </ul>		-	-	
	<ul> <li>Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.</li> </ul>	> \		T	
	<ul> <li>Plant known to emit noise strongly in on direction, should, where possible, should be orientated so that the noise is directed away from nearthy NSBs</li> </ul>	1	+	†	
	Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	>		$\dagger$	
	1 Noise and neuron managed and the second se	K			
	word et costres, indee battlets, or portable noise partiers used where necessary.	>		···	
	Air compressors and hand held breakers should have noise labels.	•	-		
	Compressors and generators should operate with door closed.	\ 	+	<del> </del>	
	Construction Noise Permits should be available for inspection.	1		$\dagger$	
				•	

Vehicle and equipment should be switched off while not in use.

Open burning should be prohibited.



# SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

	Mitigation Measures on Waste Management	idm 0	Implementation Stages*	n Remark	¥
		Yes	No N/A	A	
Wat	Water Quality		清· 《 · · · · · · · · · · · · · · · · · ·		
Gene	General Construction Activities				
•	Temporary ditches shall be provided to facilitate runoff discharge into appropriate watercourses, via a sediment trap / sedimentation tanks, prior to discharge.		/	(_	_
•	Permanent drainage channels shall incorporate sediment basins / traps, and baffles.		<u> </u>		T
•	All traps shall incorporate oil and grease removal facilities.	$\geq$		-	
•	Sediment traps / sedimentation tanks shall be regular cleaned and maintained regularly.				
	All drainage facilities should be adequate for controlled release of storm flows.	_	>	$\Box$	
•	Minimizing of exposed soil areas to reduce the potential for increased siltation and contamination of runoff.	>	>		
•	Open stockpiles of more than 50m³ should be covered.				
•	Temporary stockpiles of excavated materials should be covered during rainstorms.				T
•	Manholes should be covered and sealed.				
•	All chemical stores shall be contained (bunded) such that spills are not allowed to gain access to water bodies.			-	Γ
•	Vehicles and plant should be cleaned of earth, mud and debris before leaving the site.				
•	Vehicle washing facilities should be provided at every site exit.				
•	Vehicle washing facilities should be adequate to settle out the sand and silt.				
•	Washing area and road exiting from washing facility should be paved.				
	Access road should have sufficient back fall toward washing facility.				Γ
Dred	Dredging Activities				
•	Dredging of designated contaminated marine mud shall only be undertaken by a suitable grab dredger using a close grab.	>			
•	Mechanical grabs shall be designed and maintained to avoid spillage and shall be seal tightly while being lifted.				Γ
•	All vessels shall be sized such that adequate clearance is maintained between vessel and the sea bed and under water pipelines at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller on the water within the site.	>			
•	The works shall cause no visible foam, oil, grease, scum litter or other objectionable matter to be present on the water within the site.	\ <u></u>			Ī
	All barges shall be fitted with tight fitting seals to their bottom openings to prevent leakage of materials.	>			
•	Excess material shall be cleaned from the decks and exposed fittings of the barges before the vessels are moved.				
•	Loading of barges shall be controlled to prevent splashing of dredging material to the surrounding water and the barges shall not be filled to a level which will cause overflowing of material or polluted water during loading or transportation.	>			
	Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.	>			
					1



Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

# SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

		Implementation	ntation	Remark
	Mitigation measures on waste management	in	, *S	
		Yes No	N/A	
Fillin	Filling Activities			
•	Use of silt screen around the filling face to reduce the losses to the surrounding.	>		
•	All vessels shall be sized such that adequate clearance is maintained between vessel and the sea bed and under water pipeline at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash or pipelines damaged.			
	The works shall cause no visible foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site.			
•	All barges shall be fitted with tight fitting seals to their bottom openings to prevent leakage of material.	>		
•	Loading of barges shall be controlled to prevent splashing of dredged material to the surrounding water and barges shall not be filled to a level which will cause overflowing of material or polluted water during loading transportation.			
Was	Waste Management			
Marin	Marine Dredged Sediment			
•	Relevant licence / permits for disposal of marine dredged sediment are available for inspection.			
•	Bottom opening of barges is fitted with tight fitting seals to prevent leakage of material. Excess material is cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved.		5	
•	Monitoring of the barging loading is conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels are equipped with automatic self-monitoring devices as specified by the EPD.		>	
•	Transport of dredged marine sediments to the disposal site is by split barge of not less than 750m <sup>3</sup> capacity, well maintained and capable of rapid opening and discharge at the disposal site.		>	
•	Inspection of the barge loading to ensure that loss of material does not take place during transportation.		>	
Cons	Construction and Demolition (C&D) Waste			
•	Most of the C&D materials generated from the construction are sorted immediately in-situ to find out if they can be re-used for this job site or for other job sites.		Ş	
•	Sufficient spaces are identified and provided during the construction stage for the collection, temporary storage and on-site sorting of C&D materials.	>		
	Proper protective measures, such as fences and tarpaulin, are provided, in order to protective the temporary stockpiled materials for later reuse / recycle.			
•	Avoiding cross contamination to reusable and / or recyclable materials collected (e.g. covering the reusable materials)			
•	In order to reduce the impacts to the public, except for those sorted inert C&D materials to be reused on site, all other sorted non-inert materials (e.g. general refuse and waste formworks) shall be removed off site as soon as practicable in order to optimise the use of the on-site storage space. If the non-inert materials need to be stored on site for a short period, the materials shall be centralized and stored at specific areas far away the sensitive receivers.	>		
•	All Public Fill arising from the demolition works shall be limited to a size not more than 250mm and free of reinforcement bars, timber, etc. before re-using it.	>		
•	Recyclable materials sorted from the site should be collected by potential recycling contractors under the Contractor's arrangement.			
•	Trip ticket system will be implemented to ensure proper waste disposal at public filing and landfills	>		
	Appropriate measures should be employed to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	\	<u> </u>	
	Proper resource planning and calculations before ordering the construction materials to be used will ensure that the wastage of the materials can be minimized	\ \?		



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Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

	Mitigation Measures on Waste Management	ig ,	Implementation Stages*	on Rei	Remark
		Yes	No N	N/A	
•	Proper storage will minimize the damage and thus the wastage of the materials	>		_	
•	I raining of site personnel in proper waste management procedures. The workers shall be constantly educated for the awareness of the proper handling of waste and to reduce the amount of waste while Site Agent shall be constantly met to discuss the effectiveness of the implementation of the waste management plan. Information to promote the waste management and the reduction concept shall be posted at the site to raise alertness of the personnel concerned.				
•		>		_	
•	It is required to register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and compiled with for control of chemical wastes.	>			
•	After use, chemical wastes (e.g. cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.	\			
•	Chemical wastes should be stored and collected by an approved operator for disposal at the Chemical Waste Treatment Facility or other licensed facility in accordance with the Chemical Waste (General) Regulation.			<u> </u>	
•	Containers used for the storage of chemical wastes				
•	Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed	\			
<u> </u>	Have a capacity of less than 450L unless the specification have been approved by the EPD	>		-	
•	Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Chemical Waste (General) Regulations and Codes of Practice	<u>\</u>			
٠	Labelling	>	-	-	
•	Every container of chemical waste would bear an appropriate label, which would contain the particulars details.			+	
•	The waste produced would ensure that the information contained on the label is accurate and sufficient so as to enable proper and safe handling, storage and transport of the chemical waste	<b>&gt;</b>			
•	Storage Area	<b>A</b>		_	
,	Be clearly labeled and used solely for the storage of chemical waste				
	Be enclosed on at least 3 sides	,		-	
	<ul> <li>Have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20% of the total volume of waste stored in that area, whichever is the greatest</li> </ul>	>		-	
	Have adequate ventilation				
	Be covered to prevent rainfall entering			-	
	Be arranged so that incompatible materials are adequately separated			-	
	Be clean and maintain regularly			-	
•	Disposal	>	_		
	Be via a licensed waste collector		$\sim$		
	• To a licensed disposal facility, such as Chemical Waste Treatment Centre		)	  -	
	Be a reuser of the waste, under approval from the EPD		<u> </u>	_	Γ

# SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

	Mitigation Measures on Waste Management	ements stages	emark
•	Spillage	Yes No N/A	
•	Establish source of spill or discharge and determine nature of material, where possible halt discharge		
•	Commencing at the source of the spill, establish all current and potential impacted areas	>	
•	Commence containment of spill using bunds made from available materials and ground water cut-off trenches where necessary	>	T
•	After spill is contained remove material (including contaminated soil where necessary) using pumps and/or absorbent materials	,	
•	Dispose of materials as chemical wastes		
•	General Refuse		
_•	General refuse generated on-site is in enclosed bins or compaction units separate from construction and chemical waste		
•	A reputable waste collector is employed by the Contractor to remove general refuse from the site, separately from the construction and chemical waste.		
•	General refuse generated is removed on daily or every second day basis to minimise odour, pest and litter impacts		
•	Aluminium cans are recovered from the waste stream by individual collectors if they are segregated or easily accessible, so separate, labelled bins for their deposit should be provided if feasible.		
•	Office wastes are reduced through recycling of paper if volumes are large enough to warrant collection.		
•	Site Practice	>	
	Good site practices should be adopted to clean the rubbish and litter on the construction sites so as to prevent the rubbish and litter from dropping into the nearby environment. Construction sites should be cleaned on a regular basis.		
•	The Contractor assigned worker is responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site.		
-	Proper storage and site practices to minimise the potential for damage or contamination of construction materials.	, ,	
•	The Environmental Permit should be displaced conspicuously on site		
•	Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.		
_	Any unused chemicals or those with remaining functional capacity should be recycled.	+	
.	A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be used, e.g. trip ticket system for chemical waste disposal. Quantities could be determined by weighing each load or other suitable methods.		
•	Sulfable collection sites around site offices will be required. For environmental hygiene reasons and to minimize odor, refuse should not be stored for a period exceeding 48 hours, however, removal every 24 hours is preferable.		
_	Minimize windblown litter and dust during transportation by either covering trucks or transporting wastes in enclosed container.	\ \ \	
-	All generators, fuel and oil storage are within bundle areas.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
-	Oil leakage from machinery, vehicle and plant is prevented.	\ \ \ \ \	
٠	Chemical storage area, drainage systems, slit traps, sumps and oil interceptors are cleaned and maintained regularly.		
		X - 1 - 1 - X	

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### Table for follow-up Action:

Contract No.: TP 37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A

Item	Details of defective works or observations	Location	Further action to be taken (Included persons / party to take action)	Expected Date for Action taken
#	. a 4	Road 14 (near node 2)	Follow up octors was completed.	N/A
	Ling pravided			
Demark ()	Poplar Lister Lines accumulated at SA 14	SA 14	The contest was were also	7 7 7 7
			ONE	
			ימונים שובברישם.	
	RSS	LWKJŲ	ET	
Signature:		1	AST I	,
Name:		Do'L	THE CLEAN	
Date:	128x//28x/	38/8	704 - 4- 82	too



### Appendix I

**Wastewater Monitoring** 

**Test Report of Wastewater Sample from Discharge Point** 



### ENVIRO LABS LIMITED

### 環境化驗有限公司

		<del></del>	TES	T REPORT		•	
JOB NO.	:	A-05173-	1A ·	· · · · · · · · · · · · · · · · · · ·			
DATE OF ISSUE	:	6 Jun 200	<b>95</b>		PJ	AGE : 1 of	1
Client							
Leader - Wal Kee (C&	T) Je	iπt Venture			•		
Unit 1001-1005, 10/F.,			za. Towar 1	1. 138 Shalin D.	ij uroj Česastika		
Attn.: Mr. Ben Yip				it too chatti K	uran wommine I	e Road, Sha Tin, N Leader-Wai Kee (C. &	T. HK
		! !			.,	RECEI	
Sample identification	'n						· * ##### ·
Sample Description	:	One set of w	ator sample	eaid to be was	newater	- 6 JUN	V 2005
Sampling	:	Conducted b	y the Enviro	b Labs Ltd.			
Sampling Point	:	Outlet of sed				LETTER REF. NO	.K.O)
					erina intraeso	V.O./S.I. NO. cture Works for Pak	<b>35-1</b> , 45-1
	:	Delivered an	t Package 2 d stored und	ZA, Pak Shek K der refrigerated	ok, N.T. (Cont condition	red No. TP 37/03)	
Preservation Sampling Date & Time Received Date & Time	:	Developmen	t Package 2 d atored und 10:30	RA, Pak Shek K	ok, N.T. (Cont condition	raci No. TP 37/03)	,
Sampling Date & Time	:	Developmen Delivered en 27 May 2005	t Package 2 d atored und 10:30	RA, Pak Shek K	ok, N.T. (Cont condition	reci No. TP 37/03)	
Sampling Date & Time Received Date & Time Test Method Parameter	:	Developmen Delivered en 27 May 2005 27 May 2005	t Package 2 d stored und 10:30 12:00	A, Pak Shek K der refrigerated Referen	ok, N.T. (Cont condition	reci No. TP 37/03)	d
Sampling Date & Time Received Date & Time Test Method Parameter (1) Total Suspended	Solid	Developmen Delivered an 27 May 2005 27 May 2005 a (TSS) Driec	t Package 2 d stored und 10;30 12:00	Pak Shek K der refrigerated Referen PC APHA <sup>1</sup>	condition	radi No. TP 37/03)  Tooting Parior	d
Sampling Date & Time Received Date & Time Test Method Parameter	Solid	Developmen Delivered an 27 May 2005 27 May 2005 a (TSS) Driec	t Package 2 d stored und 10;30 12:00	Pak Shek K der refrigerated Referen PC APHA <sup>1</sup>	condition	reci No. TP 37/03)	J
Sampling Date & Time Received Date & Time Test Method Parameter  Total Suspended: APHA Standard Method	Solid	Developmen Delivered an 27 May 2005 27 May 2005 a (TSS) Driec	t Package 2 d stored und 10;30 12:00	Pak Shek K der refrigerated Referen PC APHA <sup>1</sup>	condition	radi No. TP 37/03)  Tooting Parior	<i>3</i>
Sampling Date & Time Received Date & Time Test Method Parameter (1) Total Suspended	Solid	Developmen Delivered en 27 May 2005 27 May 2005 s (TSS) Driec he Examination	t Package 2 d stored und 10;30 12:00	Pak Shek K der refrigerated Referen PC APHA <sup>1</sup>	condition	radi No. TP 37/03)  Tooting Parior	<b>1</b>
Sampling Date & Time Received Date & Time Test Method Parameter  Total Suspended: APHA Standard Method	Solid	Developmen Delivered an 27 May 2005 27 May 2005 a (TSS) Driec	t Package 2 d stored und 10;30 12:00	Pak Shek K der refrigerated Referen PC APHA <sup>1</sup>	condition	radi No. TP 37/03)  Tooting Parior	d Unit
Sampling Date & Time Received Date & Time Test Method Parameter  (i) Total Suspended: 1. APHA Standard Method Test Result*  Sample Label Pak Shek Kok	Solid a for t	Developmen Delivered en 27 May 2005 27 May 2005 s (TSS) Oriect he Examination Tast Parameter	t Package 2 d stored und 10:30 12:00 lat 103-105 n of Water an	Reference APHA1 of Wastewater	condition	Toeting Parios 27 May 2005	Unit
Sampling Date & Time Received Date & Time Test Method Parameter  (i) Total Suspended: 1. APHA Standard Method Test Result*  Sample Label	Solid For t	Developmen Delivered an 27 May 2005 27 May 2005 s (TSS) Oriect he Examination Tast Parameter I Supported	t Package 2 d stored und 10:30 12:00 l at 103-105 n of Water an	Reference  Reference  Reference SC APHA1  Id Wastewater  Semple No.  505177	condition  co Mathod  17e 2540 D  Test Result	Toeting Parios 27 May 2005  Discharge Limit ***	
Sampling Date & Time Received Date & Time Test Method Parameter  Total Suspended: APHA Standard Method Test Result*  Sample Label  Pak Shak Kok Test results related	Solid For t	Developmen Delivered an 27 May 2005 27 May 2005 s (TSS) Oriect he Examination Tast Parameter I Supported	t Package 2 d stored und 10:30 12:00 l at 103-105 n of Water an	Reference  Reference  Reference SC APHA1  Id Wastewater  Semple No.  505177	condition  co Mathod  17e 2540 D  Test Result	Toeting Parios 27 May 2005  Discharge Limit ***	Unit
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---- END OF REPORT ---

APPROVED BIGNATORY :

Kenneth Lam (Laboratory Manager)

Rm 611-612, Hong Leong Place, 33 Lnk Yip Road, Fanling, N.T., Hong Kong

Tel. (652) 2676 2665 Fax: (852) 2676 2860

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06. JUN. 2005 (MON) 10:23

COMMUNICATION N- 7

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### **ENVIRO LABS LIMITED**

### 環境化驗有限公司

TEST REPORT

JOB NO.

: A-05173-2A

**DATE OF ISSUE** 

6 Jun 2005

PAGE

1 of 1

1. Client

Leader - Wai Kee (C&T) Joint Venture

Unit 1001-1005, 10/F., Grand Contral Plaza, Tower 1, 138 Shatin Rural Committee Road, Sha Tin, N.T., HK

Attn.: Mr. Ben Ylp

2. Sample Identification

Sample Description

: One set of water sample said to be wastewater

Sampling

Conducted by the Enviro Labs Ltd.

Sampling Point

Outlet of sedimentation tank at

Construction Site of Remaining Engineering Infrastructure Works for Pak Shak Kok

Development Package 2A, Pak Shek Kok, N.T. (Contract No. TP 37/03)

Preservation

Delivered and stored under refrigerated condition

COD: cana, H<sub>2</sub>SO<sub>4</sub> was added to pH < 2

Sampling Date & Time

27 May 2005 10:30

Received Date & Time

27 May 2005 12:00

### 3. Test Method

Pare	meter		Reference Method	Testing Period
(1)	рH	; i	APHA1 20e 4500 H*B	On-site
(ii)	Chemical Oxyge	n Demand (COD)	APHA <sup>1</sup> 20e 5220 C	27 May 2005
1 45	Shift thromology Receive	ola dan dan Musambanatan at	167-5	The state of the s

APPIA Strangard Methods for the Exemination of Water and Wastewate

### 4. Tost Result\*

Sample Label	Test Parameter	Sample No.	Test Result	Discherge Limit	Unit
Pak Shek Kok	p 1 at 20 °C		7.7	. Q — A	44
	Chomical Oxygon Domand	E05178	- 60	<b>≾80</b> .	mgO₂/L
Test (esults rein	te only to the items received.		11	***************************************	

<sup>\*\*</sup> Information provided by the plient. (It is not a test result, information for reference only).

### 5. Remark

This report supersedes test report job number A-05173-2 dated 31 May 06.

--- END OF REPORT ---

APPROVED SIGNATORY:

Kenneth Lam (Laboratory Menager

Rm 611-612, Hong Leong Plaza, 33 Lok Yip Road. Panling, N.T., Hong Kong

Tel: (852) 2676 2983 Fax: (852) 2878 2880 http://www.envirolabs.com.hk e-mail: eli@envirolabs.com.hk



**Figures** 

									·		1	
	tions Description	+	(on ground floor near the entrance facing south-east)	CUHK Residence No. 10	Cheung Shue Tan Village (near the outer building, temple)	Tsiu Hong Village	Deerhill Bay Development	Educational Uses in Area 12 (Part I)	Residential Development (Low Rise Building) - R1	WIN TOWN TO STATE OF THE PARTY	東維德勢測試驗問有限公司 ETS_TESTCONSILLT INDITED	
)	Updated Noise Monitoring Logations	NMI		NNIZ	NAMI	NNI4 - cancelled	NNIS - cancelled	NNI6 – cancelled	NM7 - cancelled		Scale:	Revised Date: June 2004
	<i>,</i>		· ·		MK4	uuub)		·	- Annual Control of the Control of t	NW O	icture Works for kage 2 A	onitoring Stations
								<u> </u>	NWS SO PL		Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2 A Contract No. TP 37/03	Figure 1 Location of Noise Monitoring Stations

