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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

(OCTOBER 2005)

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EXECUTIVE SUMMARY

This monthly EM&A report (No.6) 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 01 to 31 October 2005.

Construction Progress

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

- *Drainage works (Excavation, pipe lying and breaking) at Section 5, 6 7 and 8*
- *Road works at Section 5 and 6*
- *Construction of vertical seawall at Landscape Node P2*
- *Piling works at Voided Abutment of Ma Liu Shui Bridge*
- *Waterworks at Section 5, 6 and 7*
- *Utilities works at Section 5, 6 and 7*
- *Cycle track diversion at Landscape Node P3*

Environmental Monitoring Progress

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

- *Noise Monitoring (Day-time): 4 Occasion at 4 designated locations*
- *24-hour TSP Monitoring: 5 Occasions at 3 designated locations*
- *1-hour TSP Monitoring: 12 Occasions at 3 designated locations*
- *Weekly-site inspection: 4 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 Road L4 and Ma Liu Shui Voided Abutment at 30 August and 15 September 2005 respectively. Two wastewater samples were collected from the discharge point at the construction site during these two monitoring. The results of suspended solids content of the wastewater samples were complied the discharge limit of the Discharge Licence. The test reports were attached at Appendix I. The test reports had been submitted to the EPD at 13 and 21 September 2005 (Ref No.: J0402/03.09/05/5382L and J0402/03.09/05/5464L).

Site Inspection

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

Concerned Parties	*Dates of Audit / Inspection*
Weekly site inspection (ET)	*06, 13, 20, 26*
Monthly site inspection (IEC/LWKJV/RE)	*26*

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

Item	*Aspects*	*Findings*	*Action(s) taken by LWKJV*	*ET Verification*
1	*Water*	*Follow up action to previous finding of previous month, silt and mud accumulated on the U-channel at Ma Liu Shui Voided Abutment were cleaned up during weekly site inspection (06/10/05).*	*Since the finding had been improved, no further action was required.*	*Since the finding was improved, no further action was required.*
2	*Site Practice*	*The rubbish skip was found full during the weekly site inspection (06/10/05).*	*The Construction team was reminded to arrange more manpower to clean up the rubbish skips.*	*During the subsequent weekly site inspection (13/10/05), the finding was found improved and hence no further action was required.*
3	*Water*	*Oily water was accumulated in the drip tray of generator during the weekly site inspection (06/10/05).*	*The Construction team was reminded to drain the oil water and treat the oily water as chemical waste.*	*During the subsequent weekly site inspection (13/10/05), no water was observed in the drip tray. Hence, the finding was improved and no further action was required.*

Item	Aspects	Findings	Action(s) taken by LWKJV	ET Verification
4	Site Practice	No drip tray was provided for the diesel tank and oil pump during the weekly site inspection (06/10/05).	The Construction team was reminded to provide drip tray for all fuel tank and oil pump.	During the subsequent weekly site inspection (13/10/05), drip tray was found provided for the fuel tank and oil pump. Hence, the finding was improved and no further action was required.
5	Air	The haul road at Node 1 was dry and dusty during the weekly site inspection (13/10/05).	The Construction team was reminded to water the haul road and unpaved area more frequent to avoid dust generation.	During the subsequent weekly site inspection (20/10/05), haul road at Node 1 was watered and no dust was observed. Hence, the finding was improved and no further action was required.
6	Chemical	Fuel containers at Workshop area and SA 14 were found not covered but also without drip tray during the weekly site inspection (13/10/05).	The Construction team was reminded to remove the fuel containers to the appropriate storage area to avoid direct exposure to sunlight.	During the subsequent weekly site inspection (20/10/05), the fuel containers were removed and storage in chemical storage area. Hence, the finding was improved and no further action was required.
7	Air	Stockpile at Node 3 was found without covered during the weekly site inspection (20/10/05).	The Construction team was reminded to cover the exposed stockpile with tarpaulin sheets or provide watering to avoid the generation of dust.	During the subsequent weekly site inspection (26/10/05), the exposed stockpile was covered. Hence, the finding was improved and no further action was required.
8	Air	Black smoke was found emitted from the excavator "F2" at SA 14 during the weekly site inspection (20/10/05).	The Construction team was reminded to stop to use the excavator until repaired. Besides, the Construction team was also advised to maintain all site machines properly to avoid black smoke emission.	During the subsequent weekly site inspection (26/10/05), no black smoke was noted emitting from the site machines. Hence, the finding was improved and no further action was required.
9	Water	Standing water was accumulated in planter wall at Node 3 during the weekly site inspection (20/10/05).	The Construction team was reminded to drain the standing water though temporary watercourse to appropriate sedimentation facilities.	Since the finding was still observed during the last weekly site inspection of this reporting month, it will be verified at the first weekly site inspection of the coming month.
10	Water	Muddy water was found accumulated in the drainage channel at Ma Liu Shui during weekly site inspection (26/10/05).	The Construction team was reminded to drain the muddy water to the sedimentation facilities before discharged.	Since the finding was observed during the last weekly site inspection of this reporting month, it will be verified at the first weekly site inspection of 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. 8040m^3 inert C&D materials and 3000 kg 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.

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 01 to 31 October 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 1and 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.

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 (Excavation, pipe lying and breaking)	*Section 5, 6, 7, 8*
Road Works	*Section 5 & 6*
Construction of vertical seawall	*Landscape Node P2*
Piling Works	*Voided Abutment of Ma Liu Shui Bridge*
Utilities Works	*Section 5, 6, 7 & 8*
Waterworks	*Section 5 & 6*
Cycle track diversion	*Landscape Node P3*

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.*

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

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 stations	*Location*	*Monitoring Period*						
		24-hr TSP				*1-hr TSP*		
		Start		*Finish*		*Date*	*Start*	*Finish*
		Date	*Time*	*Date*	*Time*			
AM1	*HKIB Staff Accommodation*	---				*04/10/05*	*09:15*	*10:15*
						06/10/05	*10:36*	*11:36*
						08/10/05	*08:45*	*09:45*
						10/10/05	*13:00*	*14:00*
						13/10/05	*09:40*	*10:40*
						15/10/05	*08:16*	*09:16*
						18/10/05	*08:05*	*09:05*
						20/10/05	*13:00*	*14:00*
						22/10/05	*08:45*	*09:45*
						25/10/05	*15:39*	*16:39*
						27/10/05	*13:00*	*14:00*
						29/10/05	*08:39*	*09:39*

Air quality monitoring stations	Location	Monitoring Period						
		24-hr TSP				1-hr TSP		
		Start		Finish		Date	Start	Finish
		Date	Time	Date	Time			
AM3	Cheung Shue Tan Village (Near the outer building, temple)	---				04/10/05	11:00	12:00
						06/10/05	17:30	18:30
						08/10/05	13:00	14:00
						10/10/05	09:36	10:36
						13/10/05	11:00	12:00
						15/10/05	13:30	14:30
						18/10/05	14:43	15:43
						20/10/05	15:35	16:35
						22/10/05	13:15	14:15
						25/10/05	13:00	14:00
						27/10/05	15:10	16:10
						29/10/05	13:00	14:00
AM5	Near Wen Chih Tang at the CUHK	---				04/10/05	14:40	15:40
						06/10/05	16:10	17:10
						08/10/05	16:00	17:00
						10/10/05	10:55	11:55
						13/10/05	13:00	14:00
						15/10/05	16:00	17:00
						18/10/05	16:10	17:10
						20/10/05	16:55	17:55
						22/10/05	11:00	12:00
						25/10/05	14:20	15:20
						27/10/05	17:30	18:30
						29/10/05	14:16	15:16
AM1	HKIB Staff Accommodation	05/10/05	16:10	06/10/05	15:59	---		
		10/10/05	13:05	11/10/05	12:38			
		15/10/05	08:24	16/10/05	07:43			
		21/10/05	11:05	22/10/05	10:58			
		27/10/05	13:02	28/10/05	13:06			
AM3A	Cheung Shue Tan (in front of Man Kee Store)	05/10/05	15:30	06/10/05	15:30	---		
		10/10/05	09:46	11/10/05	09:34			
		15/10/05	13:33	16/10/05	13:38			
		21/10/05	10:40	22/10/05	10:51			
		27/10/05	15:05	28/10/05	15:30			
AM5	Near Wen Chih Tang at the CUHK	05/10/05	15:50	06/10/05	15:41	---		
		10/10/05	10:59	11/10/05	10:32			
		15/10/05	16:06	16/10/05	15:58			
		21/10/05	10:55	22/10/05	11:04			
		27/10/05	17:32	28/10/05	17:36			

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 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 0.6m^3/min and 1.7m^3/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 $\pm$ 3°C and the relative humidity (RH) <50% $\pm$5%.

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.

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 TSP (μg/m³)*		*1-hr TSP (μg/m³)*	
	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.

** = 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.

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.*

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 $L_{eq(5\text{-}min)}$);*
- *One set of measurements between 1900-2300 hours (3 consecutive $L_{eq(5\text{-}min)}$)*;*
- *One set of measurements between 2300-0700 hours of next day (3 consecutive $L_{eq(5\text{-}min)}$)*;*
- *One set of measurements between 0700-1900 hours on holidays (3 consecutive $L_{eq(5\text{-}min)}$)*.*

(*): 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*	*L_{eq}, L_{10}, L_{90}*	*Once per week*
Evening-time: 1900-2300 hrs	*15*	*L_{eq}, L_{10}, L_{90}*	*Once per week*
Night-time: 2300-0700 hrs of next day	*15*	*L_{eq}, L_{10}, L_{90}*	*Once per week*
Holiday: 0700-1900 hrs	*15*	*L_{eq}, L_{10}, L_{90}*	*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 (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.

Table 5.4 Monitoring Periods for noise monitoring stations

Monitoring stations	*Monitoring Period*							
	Day-time		*Evening-time*		*Holiday*		*Night-time*	
NM1	*04/10/05*	*09:17*	---	---	---	---	---	---
	13/10/05	*09:42*	---	---	---	---	---	---
	18/10/05	*08:07*	---	---	---	---	---	---
	25/10/05	*15:45*	---	---	---	---	---	---
NM2	*04/10/05*	*16:00*	---	---	---	---	---	---
	13/10/05	*10:00*	---	---	---	---	---	---
	18/10/05	*11:25*	---	---	---	---	---	---
	25/10/05	*17:00*	---	---	---	---	---	---

Monitoring stations	Monitoring Period							
	Day-time		Evening-time		Holiday		Night-time	
NM3	04/10/05	11:02	---	---	---	---	---	---
	13/10/05	11:03	---	---	---	---	---	---
	18/10/05	14:45	---	---	---	---	---	---
	25/10/05	13:05	---	---	---	---	---	---
NM8	04/10/05	14:42	---	---	---	---	---	---
	13/10/05	13:02	---	---	---	---	---	---
	18/10/05	16:12	---	---	---	---	---	---
	25/10/05	14:27	---	---	---	---	---	---

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.

Table 5.5 Action and Limit Levels for noise monitoring

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

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

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

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 is 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 Road L4 and Ma Liu Shui Voided Abutment at 30 August and 15 September 2005 respectively. Two wastewater samples were collected from the discharge points at Road L4 and Ma Liu Shui Voided Abutment during these two monitoring. The results of suspended solids content of the wastewater samples were complied the discharge limit of the Discharge Licence. The test reports were attached at Appendix I. The test reports had been submitted to the EPD at 13 and 21 September 2005 (Ref No.: J0402/03.09/05/5382L and J0402/03.09/05/5464L).

Since the Discharge Licence required carrying out wastewater monitoring at effluent discharge point quarterly, no wastewater monitoring was carried out in this reporting month. The next wastewater monitoring should be at November 2005.

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.

During this reporting month, no wastewater monitoring was carried out since the Discharge Licence required carrying out wastewater monitoring at effluent discharge point quarterly and water quality monitoring was carried out by ET at Road L4 and Ma Liu Shui Voided Abutment at 30 August and 15 September 2005 respectively. The next wastewater monitoring should be at November 2005.

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.

8.0 SITE INSPECTION

Weekly site inspections were carried out by the ET in this reporting month (06, 13, 20 and 26 October 2005). Monthly joint site inspection at 26 October 2005 was carried out by Engineer's Representative, IEC and LWKJV. 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

Item	*Aspects*	*Findings*	*Action(s) taken by LWKJV*	*ET Verification*
1	*Water*	*Follow up action to previous finding of previous month, silt and mud accumulated on the U-channel at Ma Liu Shui Voided Abutment were cleaned up during weekly site inspection (06/10/05).*	*Since the finding had been improved, no further action was required.*	*Since the finding was improved, no further action was required.*
2	*Site Practice*	*The rubbish skip was found full during the weekly site inspection (06/10/05).*	*The Construction team was reminded to arrange more manpower to clean up the rubbish skips.*	*During the subsequent weekly site inspection (13/10/05), the finding was found improved and hence no further action was required.*
3	*Water*	*Oily water was accumulated in the drip tray of generator during the weekly site inspection (06/10/05).*	*The Construction team was reminded to drain the oil water and treat the oily water as chemical waste.*	*During the subsequent weekly site inspection (13/10/05), no water was observed in the drip tray. Hence, the finding was improved and no further action was required.*
4	*Site Practice*	*No drip tray was provided for the diesel tank and oil pump during the weekly site inspection (06/10/05).*	*The Construction team was reminded to provide drip tray for all fuel tank and oil pump.*	*During the subsequent weekly site inspection (13/10/05), drip tray was found provided for the fuel tank and oil pump. Hence, the finding was improved and no further action was required.*
5	*Air*	*The haul road at Node 1 was dry and dusty during the weekly site inspection (13/10/05).*	*The Construction team was reminded to water the haul road and unpaved area more frequent to avoid dust generation.*	*During the subsequent weekly site inspection (20/10/05), haul road at Node 1 was watered and no dust was observed. Hence, the finding was improved and no further action was required.*
6	*Chemical*	*Fuel containers at Workshop area and SA 14 were found not covered but also without drip tray during the weekly site inspection (13/10/05).*	*The Construction team was reminded to remove the fuel containers to the appropriate storage area to avoid direct exposure to sunlight.*	*During the subsequent weekly site inspection (20/10/05), the fuel containers were removed and storage in chemical storage area. Hence, the finding was improved and no further action was required.*
7	*Air*	*Stockpile at Node 3 was found without covered during the weekly site inspection (20/10/05).*	*The Construction team was reminded to cover the exposed stockpile with tarpaulin sheets or provide watering to avoid the generation of dust.*	*During the subsequent weekly site inspection (26/10/05), the exposed stockpile was covered. Hence, the finding was improved and no further action was required.*
8	*Air*	*Black smoke was found emitted from the excavator "F2" at SA 14 during the weekly site inspection (20/10/05).*	*The Construction team was reminded to stop to use the excavator until repaired. Besides, the Construction team was also advised to maintain all site machines properly to avoid black smoke emission.*	*During the subsequent weekly site inspection (26/10/05), no black smoke was noted emitting from the site machines. Hence, the finding was improved and no further action was required.*
9	*Water*	*Standing water was accumulated in planter wall at Node 3 during the weekly site inspection (20/10/05).*	*The Construction team was reminded to drain the standing water though temporary watercourse to appropriate sedimentation facilities.*	*Since the finding was still observed during the last weekly site inspection of this reporting month, it will be verified at the first weekly site inspection of the coming month.*
10	*Water*	*Muddy water was found accumulated in the drainage channel at Ma Liu Shui during weekly site inspection (26/10/05).*	*The Construction team was reminded to drain the muddy water to the sedimentation facilities before discharged.*	*Since the finding was observed during the last weekly site inspection of this reporting month, it will be verified at the first weekly site inspection of 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 for Marine Work at Reclamation area of Science Park Phase 2 & 3, Pak Shek Kok	*GW-RN0248-05*	*14/06/05*	*13/12/05*	*Group A* *One Tug Boat (CNP221)* *Group B* *One Derrick Barge (CNP061)*
Construction Noise Permit for the Construction Works of the Project at Seafront in Vicinity of Existing Ma Liu Shui Pier, N.T.	*GW-RN0379-05*	*23/08/05*	*22/02/06*	*Group A* *One Poker, vibrator, hand-held (CNP170)* *One Concrete pump, lorry mounted (CNP047)* *One Concrete lorry mixer (CNP044)* *Group B* *One Dump Truck (CNP067)* *One Excavator, tracked (CNP081)* *Group C* *One Grout Pump* *One Grout Mixer*
Construction Noise Permit for the Construction Works of the Project at Pak Shek Kok Development Package 2A, Tai Po	*GW-RN0265-05*	*14/06/05*	*13/12/05*	*Group A* *One Poker, vibrator, hand-held (CNP170)* *One Concrete lorry mixer (CNP044)* *One Excavator, tracked (CNP081)* *Group B* *One Dump Truck (CNP067)* *One Excavator, tracked (CNP081)* *Group C* *One Asphalt Paver (CNP004)* *One Roller, Vibratory (CNP186)* *One Road Roller (CNP185)*
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 hydro-seeding 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*
Inert C&D Materials	*Total Quantity Generated (m^3)*	*8040*	*Reused in the Contract*	*71555*
	Broken Concrete (m^3)	*40*	*N/A*	*625*
	Reused in the Contract (m^3)	*8000*	*N/A*	*71000*
	Reused in other Projects (m^3)	*0*	*N/A*	*0*
	Disposal as Public Fill (m^3)	*0*	*N/A*	*0*
C&D Waste	*Metals (1000kg)*	*0*	*N/A*	*37.375*
	Paper/Cardboard Packaging (1000kg)	*0*	*N/A*	*0.062*
	Plastics (1000kg)	*0*	*N/A*	*0.014*
	Chemical Waste (1000kg)	*0*	*N/A*	*1*
	Other, e.g. General Refuse (1000kg)	*3*	*SENT*	*71.29*

10.0 IMPLEMENTATION STATUS

10.1 Implementation Status of Environmental Mitigation Measures

LWKJV has been implementing the required environmental mitigation measures according to the Mitigation Protection Measures stated in Implementation Schedule of the EM&A Manual. 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.

During this reporting month, no wastewater monitoring was carried out since the Discharge Licence required carrying out wastewater monitoring at effluent discharge point quarterly and water quality monitoring was carried out by ET at Road L4 and Ma Liu Shui Voided Abutment at 30 August and 15 September 2005 respectively. The next wastewater monitoring should be at November 2005.

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.

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	*November 2005*	*December 2005*
Noise Monitoring (Day-time)	*01, 08, 15, 22, 29*	*06, 13, 20, 27*
1-hour TSP	*01, 03, 05, 08, 10, 12, 15, 17, 19, 22, 24, 26, 29*	*01, 03, 06, 08, 10, 13, 15, 17, 20, 22, 24, 27, 29, 31*
24-hour TSP	*02, 08, 14, 19, 25*	*01, 07, 13, 19, 24, 30*
Site Inspection	*03, 10, 17, 24*	*01, 08, 15, 22, 29*

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.

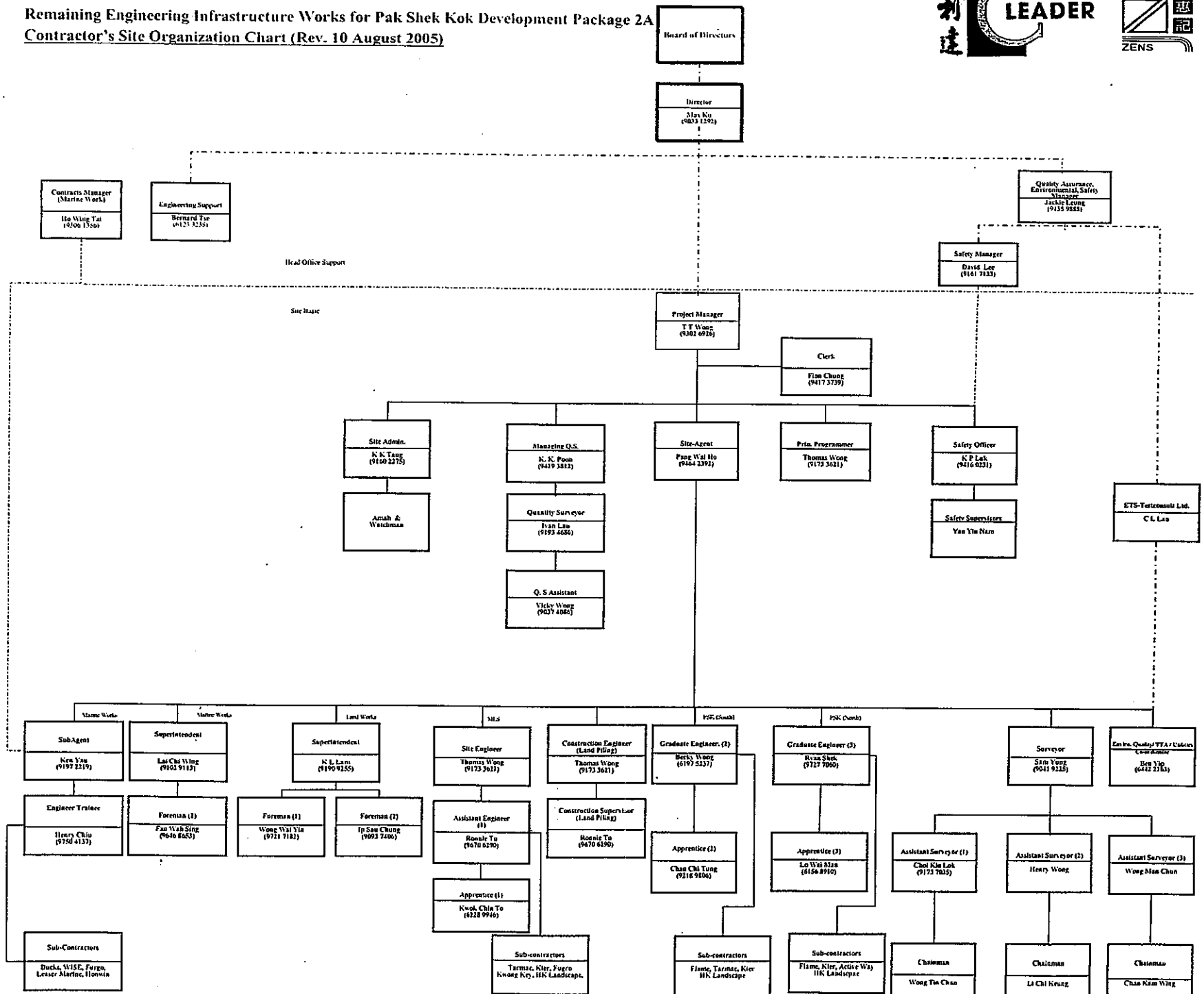
Table 12.2 – Construction Plan in the coming month

Month	*Works Planned to be Carried Out*
Between November and December 2005	▪ *Drainage Works (excavation, pipe lying and breaking) at Section 5, 6, 7,8;* ▪ *Road Works at Section 5 & 6;* ▪ *Piling works at Ma Liu Shui Bridge;* ▪ *Taking up existing seawall at Landscape Node P3;* ▪ *Reinstate existing box culvert & drain pipes at Landscape Node P1 & P2;* ▪ *Waterworks at Section 5, 6 & 7;* ▪ *Utilities works at Section 5, 6 & 7.*

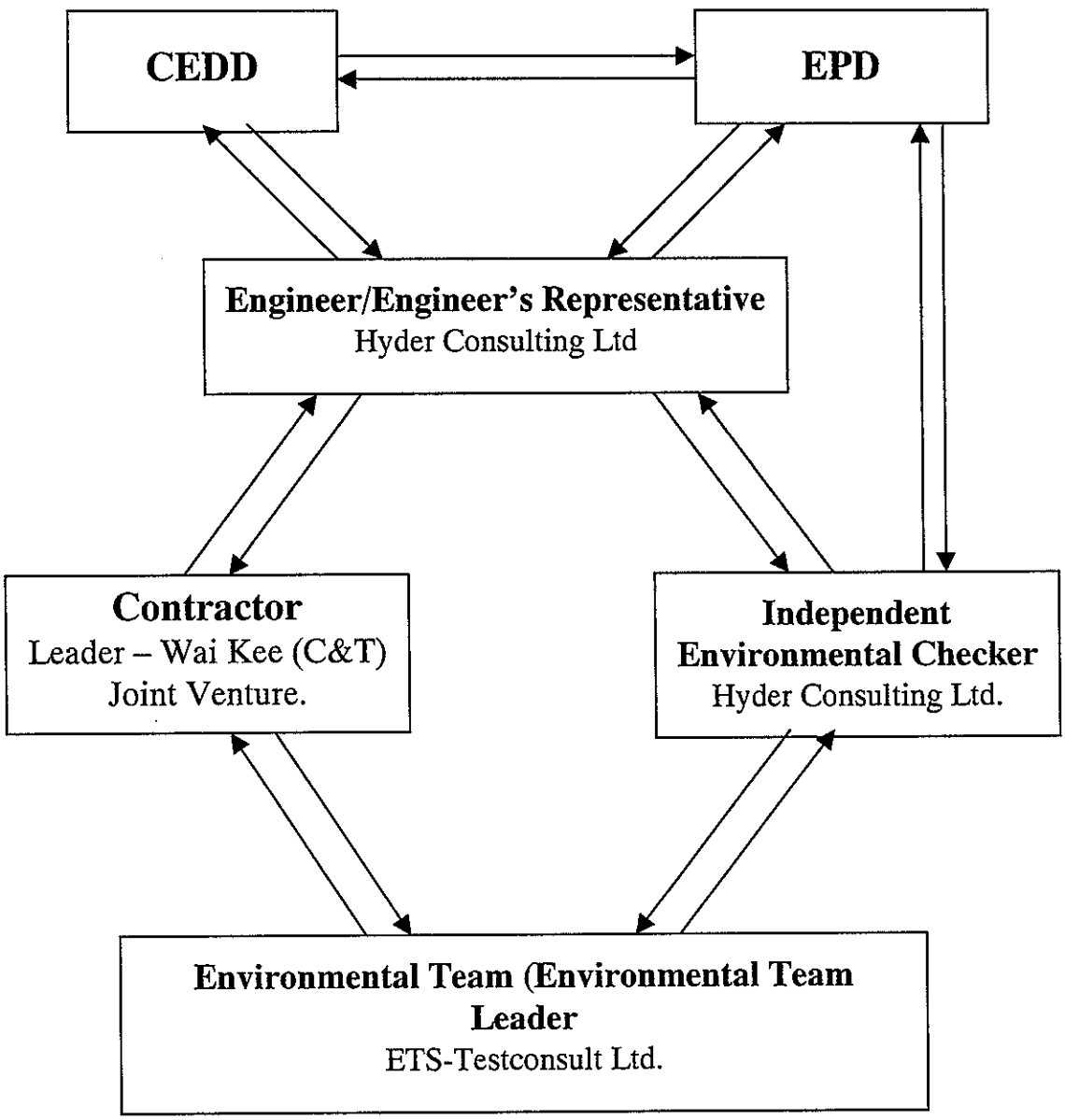
Appendix A

Organization Chart and Lines of Communication

Leader - Wai Kee (C&T) Joint Venture
Contract No. TP 37/03
Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A
Contractor's Site Organization Chart (Rev. 10 August 2005)



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 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 : 13 September 2005

Serial No. : 1178 (ET / EA / 003 / 01)

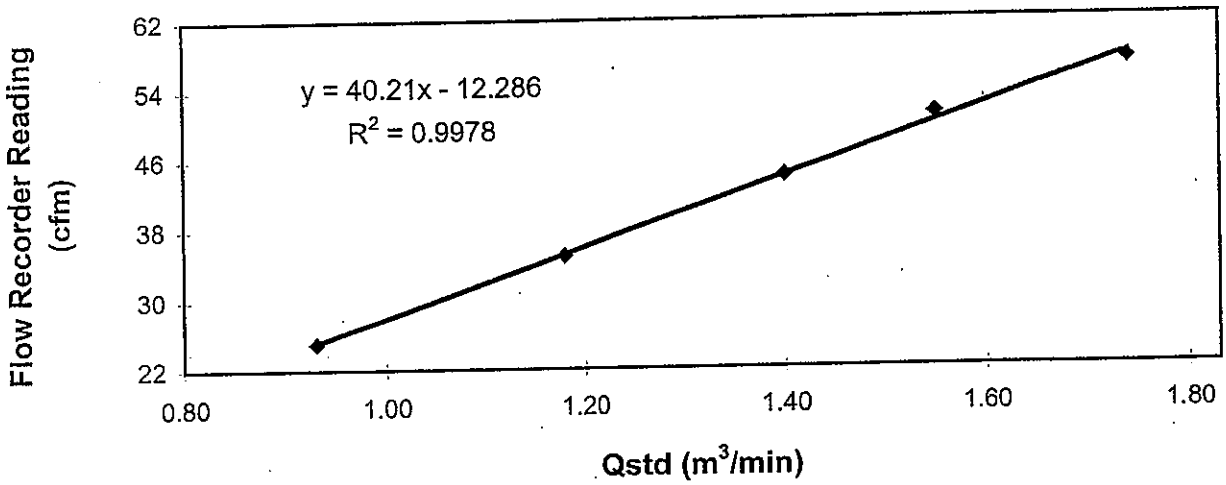
Calibration Due Date : 12 November 2005

Method : Based on Operations Manual for Graseby Model GS2310 series using calibration kit TE-5025A

Results :

Flow recorder reading (cfm)	57	51	44	35	25
Qstd (Actual flow rate, m^3/min)	1.74	1.55	1.40	1.18	0.93
Pressure : 751.56 mm Hg		Temp. : 304 K			

Sampler1178 Calibration Curve
Site: Pak Shek Kok Monitoring Station AM1 (24hr.)
Date of Calibration: 13 September 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 : Mak Kai Wai
K W Mak
(Technician)

Approved by : Linda Law
Linda Law
(Environmental Officer)

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 : 13 September 2005

Serial No. : 7179 (ET / EA / 003 / 16)

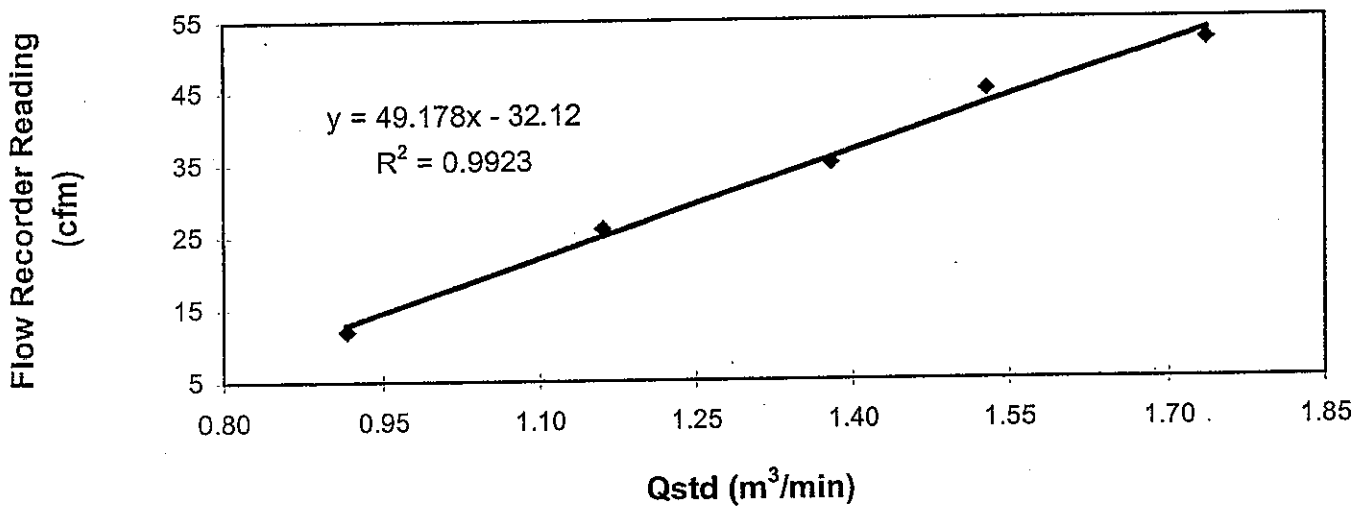
Calibration Due Date : 12 November 2005

Method : Based on Operations Manual for Graseby Model GS2310 series using calibration kit TE-5025A

Results :

Flow recorder reading (cfm)	52	45	35	26	12
Qstd (Actual flow rate, m^3/min)	1.74	1.53	1.38	1.16	0.92
Pressure : 751.56 mm Hg		Temp. : 304 K			

Sampler 7179 Calibration Curve
Site: Pak Shek Kok (AM3A)
Date of Calibration: 13 September 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 : Mak Kei Wai
K W Mak
(Technician)

Approved by : Linda Law
Linda Law
(Environmental Officer)

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

TEST REPORT

Calibration Report of High Volume Air Sampler

Manufacturer : Greasby GMW

Date of Calibration : 13 September 2005

Serial No. : 1172 (ET / EA / 003 / 11)

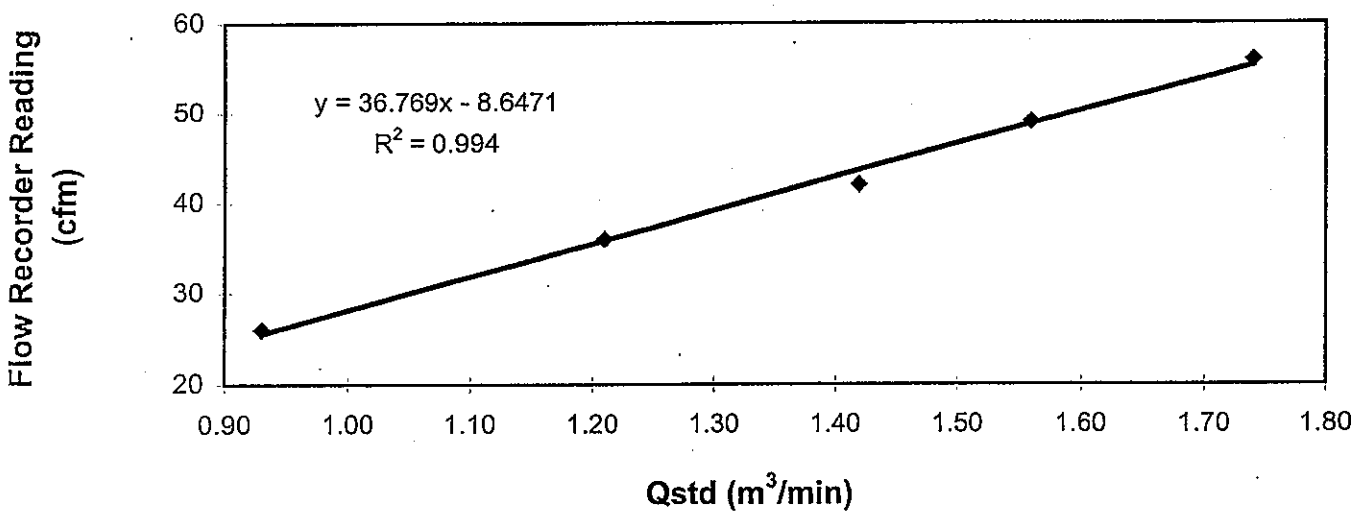
Calibration Due Date : 12 November 2005

Method : Based on Operations Manual for Graseby Model GS2310 series using calibration kit TE-5025A

Results :

Flow recorder reading (cfm)	56	49	42	36	26
Qstd (Actual flow rate, m^3/min)	1.74	1.56	1.42	1.21	0.93
Pressure : 751.56 mm Hg		Temp. : 304 K			

Sampler 1172 Calibration Curve
Site: Pak Shek Kok (AM5)
Date of Calibration: 13 September 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 : K W Mak
(Technician)

Approved by : Linda Law
(Environmental Officer)

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

Internal Calibration Report of Dust Trak Monitor

Manufacturer : TSI - 8520 Dust Trak

Date of Calibration : 17 September 2005

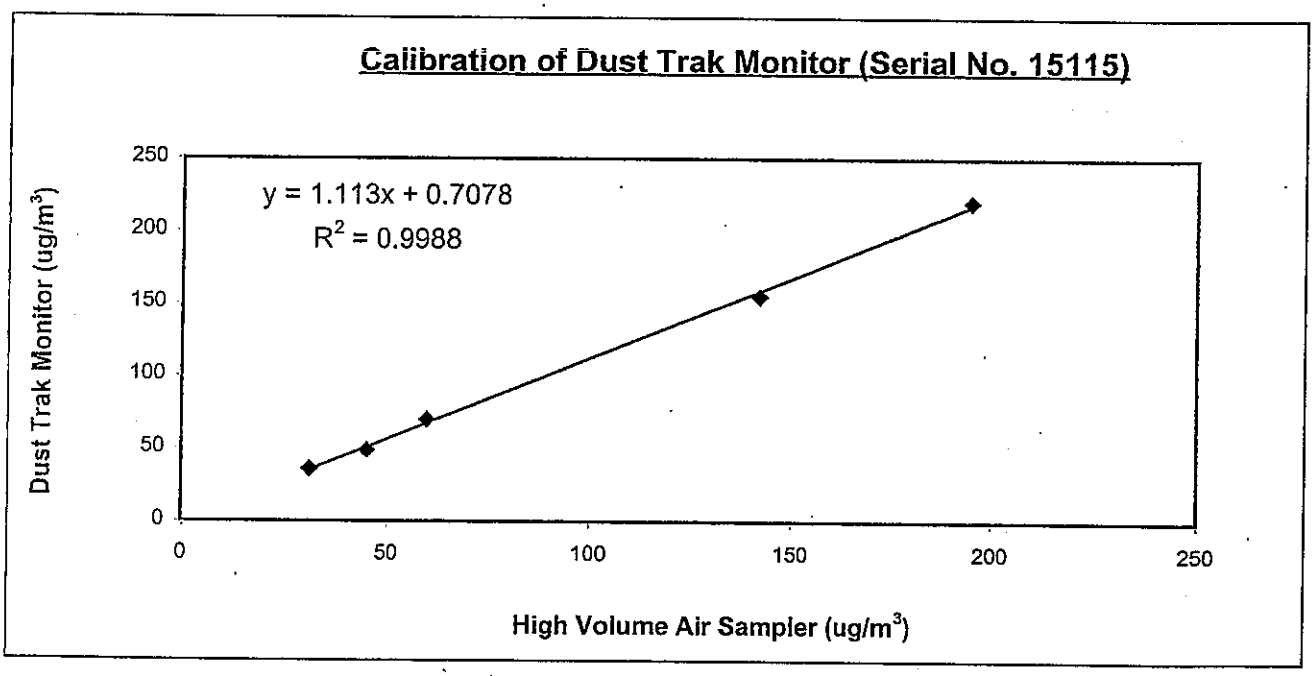
Serial No. : 15115 (EA/001/02)

Calibration Due Date : 16 March 2006

Method : Place two Dust Trak Monitor together at same environment condition for parallel measurement with five point calibration

Results :

Dust Trak Monitor (ug/m^3)	36	49	70	155	220
High Volume Air Sampler (ug/m^3)	31	45	60	142	195
High Volume Air Sampler Serail No.: 1178		Calibration Date: 12 / 11 / 2005			



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 : K W Mak
(Technician)

Approved by : H. T. Chow
(Asst. Environmental Officer)

Appendix B2

Air Quality Monitoring Results

Summary of 24-hr TSP Monitoring Results

Monitoring Station : AM1
Location : HKIB Staff Accommodation

Start		Finish		Elapse Time		Sampling Time (hrs)	Flow Rate (m^3/min.)		Average (m^3/min.)	Filter Weight (g)		Conc. ($\mu g/m^3$)	Weather Condition
Date	Time	Date	Time	Initial	Final		Initial	Final		Initial	Final		
05/10/05	16:10	06/10/05	15:59	9122.25	9146.07	23.82	1.26	1.26	1.26	2.9106	2.9942	46	Cloudy
10/10/05	13:05	11/10/05	12:38	9146.07	9169.62	23.55	1.26	1.26	1.26	2.8605	2.9884	72	Sunny
15/10/05	08:24	16/10/05	07:43	9169.62	9192.94	23.32	1.26	1.26	1.26	2.8359	3.1172	160	Cloudy
21/10/05	11:05	22/10/05	10:58	9192.94	9216.82	23.88	1.26	1.26	1.26	2.8659	3.1082	134	Sunny
27/10/05	13:02	28/10/05	13:06	9216.82	6240.88	24.06	1.26	1.26	1.26	2.9013	3.0053	57	Cloudy

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

Start		Finish		Elapse Time		Sampling Time (hrs)	Flow Rate (m^3/min.)		Average (m^3/min.)	Filter Weight (g)		Conc. ($\mu g/m^3$)	Weather Condition
Date	Time	Date	Time	Initial	Final		Initial	Final		Initial	Final		
05/10/05	15:30	06/10/05	15:30	14468.59	14492.59	24.00	1.37	1.37	1.37	2.9192	3.0318	57	Cloudy
10/10/05	09:46	11/10/05	09:34	14492.59	14516.39	23.80	1.47	1.47	1.47	2.8329	2.8762	21	Sunny
15/10/05	13:33	16/10/05	13:38	14516.39	14540.47	24.08	1.37	1.37	1.37	2.8109	3.1003	146	Cloudy
21/10/05	10:40	22/10/05	10:51	14540.47	14564.65	24.18	1.37	1.37	1.37	2.8533	3.0070	77	Sunny
27/10/05	15:05	28/10/05	15:30	14564.65	14589.06	24.41	1.37	1.37	1.37	2.9030	3.0261	61	Cloudy

Monitoring Station : AM5
Location : Near Wen Chin Tung at the CUHK

Start		Finish		Elapse Time		Sampling Time (hrs)	Flow Rate (m^3/min.)		Average (m^3/min.)	Filter Weight (g)		Conc. ($\mu g/m^3$)	Weather Condition
Date	Time	Date	Time	Initial	Final		Initial	Final		Initial	Final		
05/10/05	15:50	06/10/05	15:41	4503.81	4527.66	23.85	1.01	1.01	1.01	2.9099	2.9632	37	Cloudy
10/10/05	10:59	11/10/05	10:32	4527.66	4551.21	23.55	1.01	1.01	1.01	2.8395	2.9228	58	Sunny
15/10/05	16:06	16/10/05	15:58	4551.21	4575.08	23.87	1.01	1.01	1.01	2.8294	3.0281	137	Cloudy
21/10/05	10:55	22/10/05	11:04	4575.08	4599.23	24.15	1.01	1.01	1.01	2.8256	2.9862	110	Sunny
27/10/05	17:32	28/10/05	17:36	4599.23	4623.30	24.07	1.01	1.01	1.01	2.9019	2.9676	45	Cloudy

Summary of 1-hr TSP Monitoring Results

Monitoring Station : AM1 (HKIB Staff Accommodation)

Date	Monitoring Period		1-hr TSP (μg/m³)			Weather
	Start	Finish	Minimum	Maximum	Average	
04/10/05	09:15	10:15	112	392	159	Sunny
06/10/05	10:36	11:36	92	391	120	Sunny
08/10/05	08:45	09:45	114	406	185	Cloudy
10/10/05	13:00	14:00	93	377	135	Sunny
13/10/05	09:40	10:40	110	392	155	Sunny
15/10/05	08:16	09:16	89	392	122	Cloudy
18/10/05	08:05	09:05	125	412	182	Cloudy
20/10/05	13:00	14:00	96	391	140	Cloudy
22/10/05	08:45	09:45	92	389	146	Sunny
25/10/05	15:39	16:39	99	398	128	Cloudy
27/10/05	13:00	14:00	86	382	174	Cloudy
29/10/05	08:39	09:39	84	401	122	Cloudy

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

Date	Monitoring Period		1-hr TSP (μg/m³)			Weather
	Start	Finish	Minimum	Maximum	Average	
04/10/05	11:00	12:00	80	337	128	Sunny
06/10/05	17:30	18:30	52	231	77	Sunny
08/10/05	13:00	14:00	68	319	128	Cloudy
10/10/05	09:36	10:36	82	317	90	Sunny
13/10/05	11:00	12:00	68	324	97	Sunny
15/10/05	13:30	14:30	80	361	90	Cloudy
18/10/05	14:43	15:43	70	353	127	Cloudy
20/10/05	15:35	16:35	62	299	80	Cloudy
22/10/05	13:15	14:15	68	327	98	Sunny
25/10/05	13:00	14:00	91	311	92	Cloudy
27/10/05	15:10	16:10	67	327	127	Cloudy
29/10/05	13:00	14:00	79	379	98	Cloudy

Summary of 1-hr TSP Monitoring Results

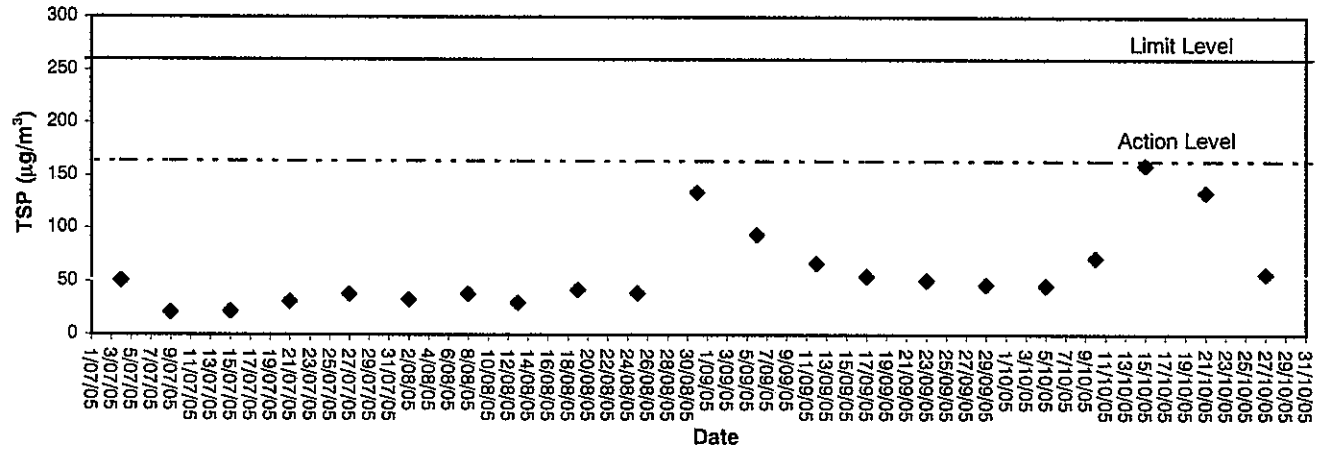
Monitoring Station : AM5 – Near Wen Chih Tang at the CUHK

Date	Monitoring Period		1-hr TSP (μg/m³)			Weather
	Start	Finish	Minimum	Maximum	Average	
04/10/05	14:40	15:40	85	340	132	Sunny
06/10/05	16:10	17:10	81	369	107	Sunny
08/10/05	16:00	17:00	77	337	145	Cloudy
10/10/05	10:55	11:55	90	346	109	Sunny
13/10/05	13:00	14:00	75	343	104	Sunny
15/10/05	16:00	17:00	84	386	108	Cloudy
18/10/05	16:10	17:10	68	340	122	Cloudy
20/10/05	16:55	17:55	92	360	117	Cloudy
22/10/05	11:00	12:00	74	340	115	Sunny
25/10/05	14:20	15:20	96	364	114	Cloudy
27/10/05	17:30	18:30	72	339	137	Cloudy
29/10/05	14:16	15:16	81	382	110	Cloudy

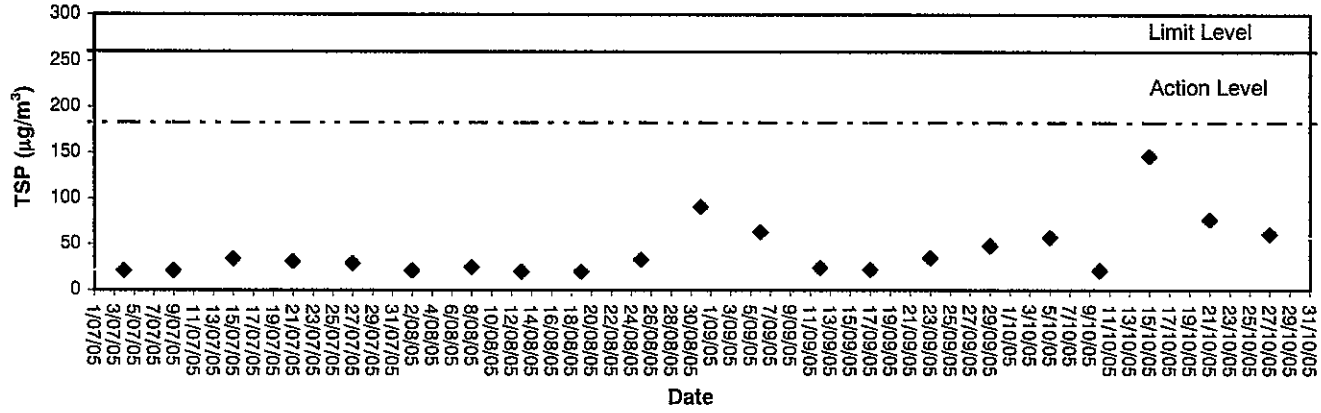
Appendix B3

Graphical Plots of Air Quality Monitoring Data

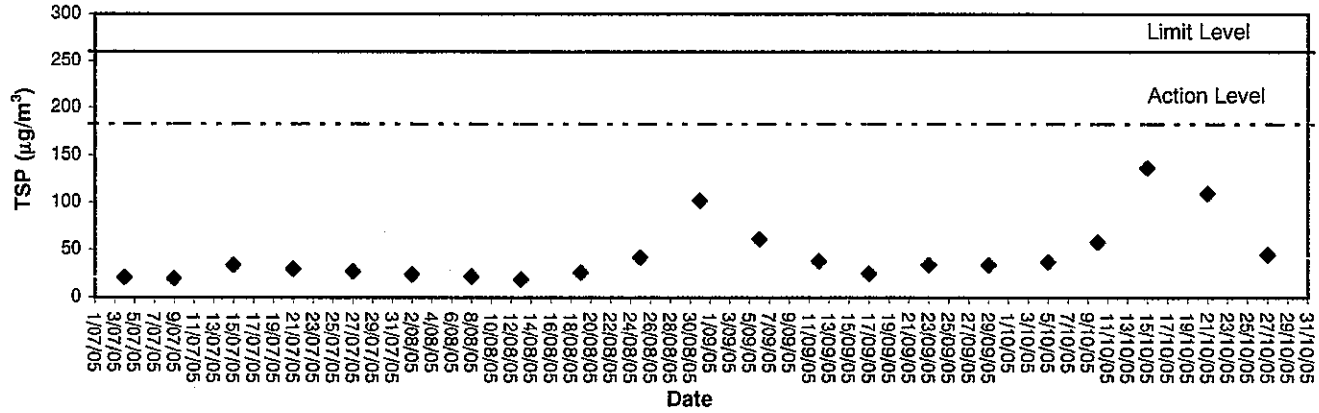
24-hour TSP level at AM1 (HKIB Staff Accommodation)



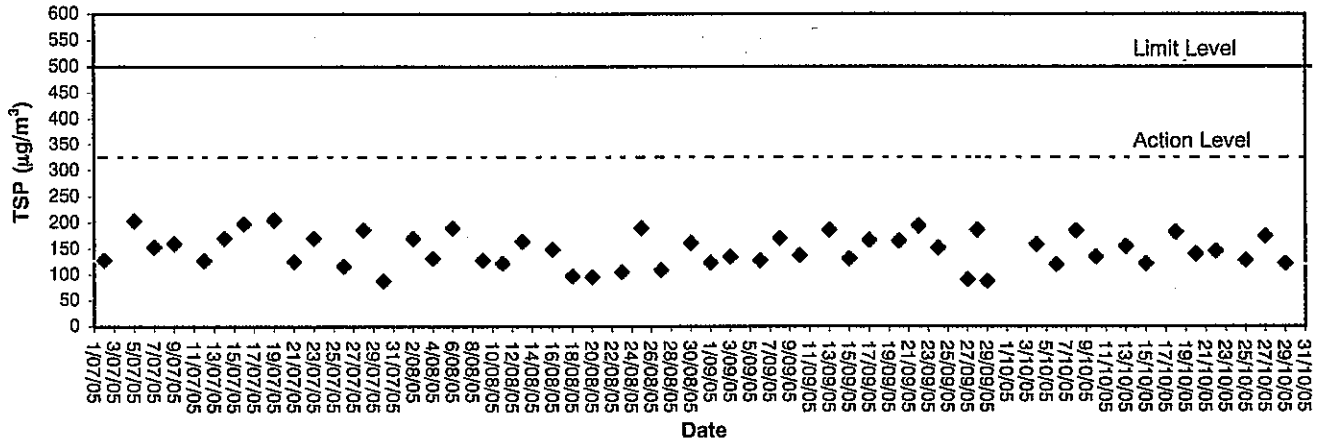
24-hour TSP level at AM3A
(Cheung Shue Tan in front of Man Kee Store)



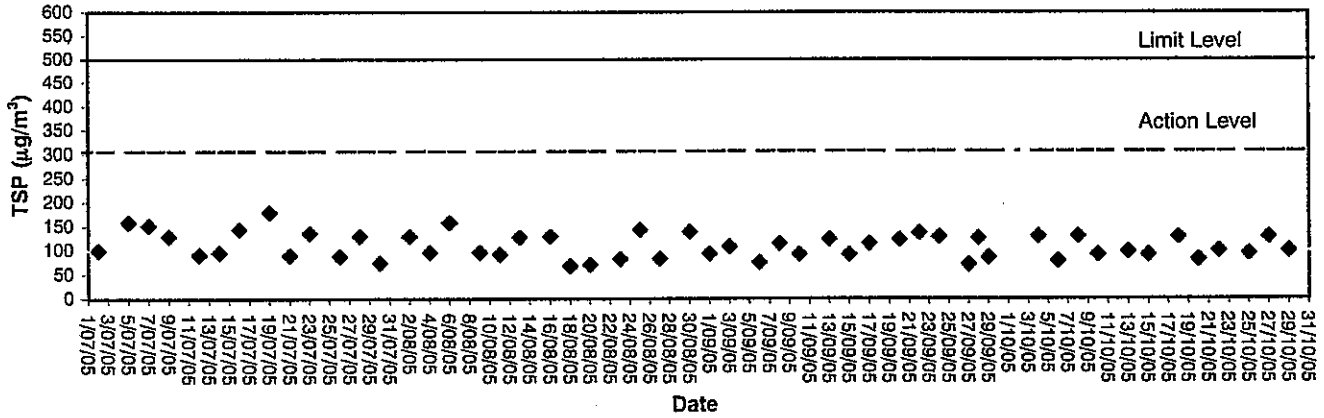
24-hour TSP level at AM5
(Wen Chih Tang at the CUHK)



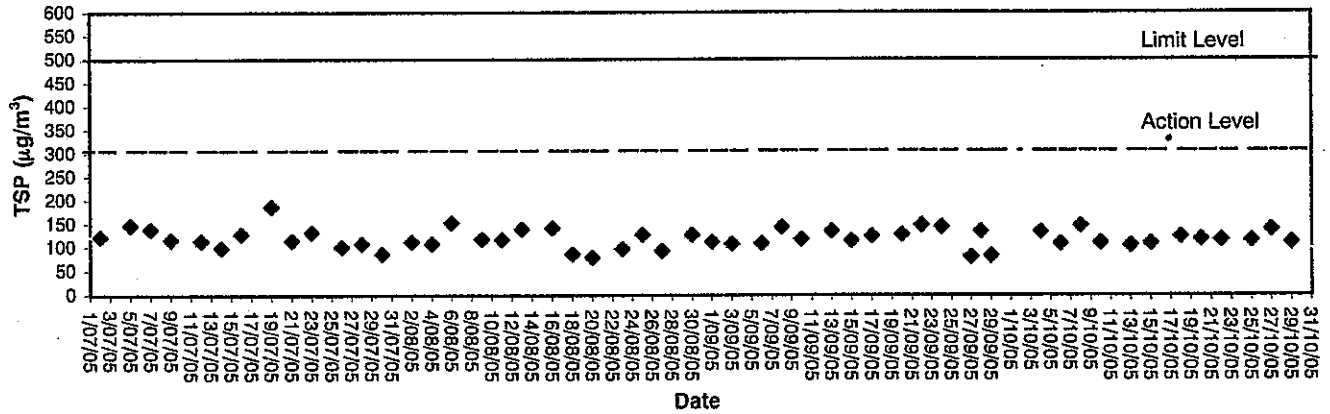
1-hour TSP level at AM1, HKIB Staff Accommodation



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

Hong Kong Calibration Ltd.
香港校正有限公司

Calibration Certificate

Certificate No. 51472

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 **Supply Voltage :** --

Ambient Temperature : (22.5 ± 2.5)°C **Relative Humidity :** (50 ± 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 : _____ **Approved by :** _____
Alan Chu - Manager

Date: 20-Apr-05

This Certificate is issued by:
Hong Kong Calibration Ltd.
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

Calibration Certificate

Results :

1. SPL Accuracy

UUT Setting			UUT Reading (dB)	Correction (dB)
Level Range (dB)	Weight	Response		
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_C	Fast		+ 0.1
	Lp	Fast		+ 0.1
30 – 120	L_A	Fast	114.0	+ 0.1
		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

Calibration Certificate

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	--	--
1/10	39.9	+ 0.1	± 0.5 dB
$1/10^2$	39.9	+ 0.1	
$1/10^3$	39.9	+ 0.1	± 1.0 dB
$1/10^4$	39.8	+ 0.2	

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 ---------

Hong Kong Calibration Ltd.
香港校正有限公司

Calibration Certificate

Certificate No. **51473**

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 ± 2.5)°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.	Due Date	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 : _____

Approved by : _____
Alan Chu - Manager

Date: 20-Apr-05

This Certificate is issued by:
Hong Kong Calibration Ltd.
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

Calibration Certificate

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 : ± 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 (hh:mm)	Noise Level dB (A)			Wind Speed (m/s)	Weather Condition
		$L_{eq(30min)}$	L10	L90		
04/10/05	09:17	57.9	60.2	54.9	1.0	Sunny
13/10/05	09:42	58.8	61.2	57.2	1.0	Sunny
18/10/05	08:07	58.8	60.5	57.3	0.8	Cloudy
25/10/05	15:45	59.8	61.4	54.1	1.6	Cloudy

Monitoring Location: NM2 (CUHK Residence No.10)

Date	Start Sampling Time (hh:mm)	Noise Level dB (A)			Wind Speed (m/s)	Weather Condition
		$L_{eq(30min)}$	L10	L90		
04/10/05	16:00	56.5	59.3	53.0	0.9	Sunny
13/10/05	10:00	55.3	57.6	51.4	0.9	Sunny
18/10/05	11:25	55.4	57.8	52.3	0.5	Cloudy
25/10/05	17:00	60.0	61.6	53.9	1.3	Cloudy

Mon Monitoring Location: NM3 (Cheung Shue Tan Village)

Date	Start Sampling Time (hh:mm)	Noise Level dB (A)			Wind Speed (m/s)	Weather Condition
		$L_{eq(30min)}$	L10	L90		
04/10/05	11:02	53.8	56.2	49.9	1.1	Sunny
13/10/05	11:03	53.7	55.9	49.6	0.9	Sunny
18/10/05	14:45	53.6	56.0	49.6	0.7	Cloudy
25/10/05	13:05	52.2	54.2	49.1	1.0	Cloudy

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

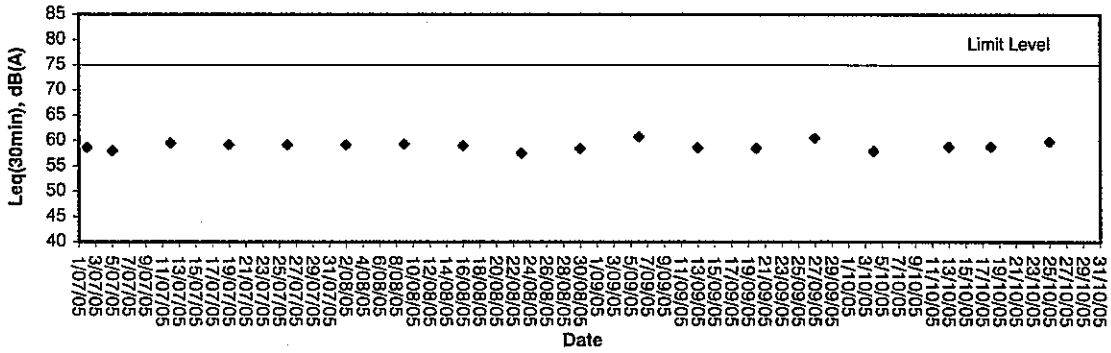
Date	Start Sampling Time (hh:mm)	Noise Level dB (A)			Wind Speed (m/s)	Weather Condition
		$L_{eq(30min)}$	L10	L90		
04/10/05	14:42	55.1	57.2	52.5	0.9	Sunny
13/10/05	13:02	57.2	59.0	53.3	1.1	Sunny
18/10/05	16:12	55.0	57.5	51.6	0.9	Cloudy
25/10/05	14:27	61.4	62.6	56.1	1.5	Cloudy

Appendix C3

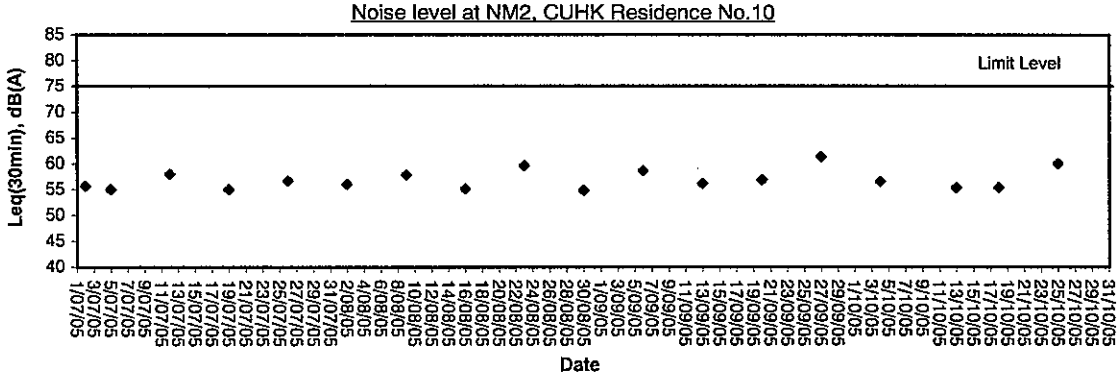
Graphical Plots of Noise Monitoring Data

Noise Monitoring (Day-time)

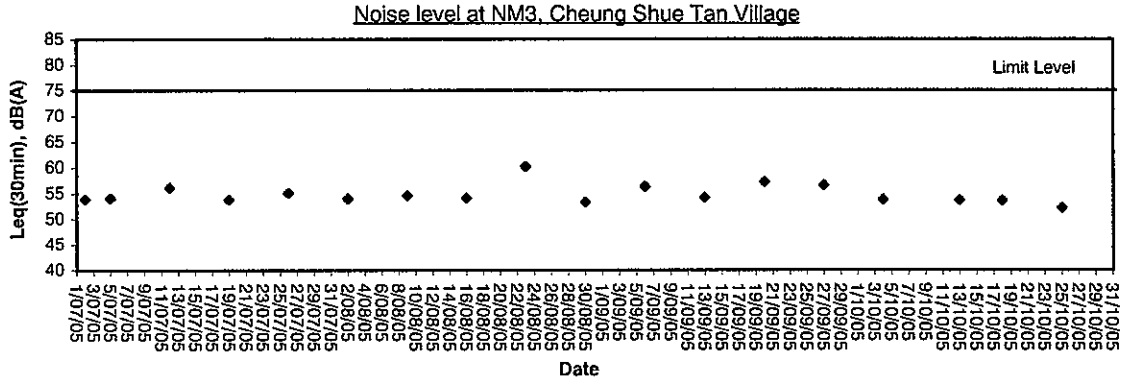
Noise level at NM1, HKIB Staff Accommodation



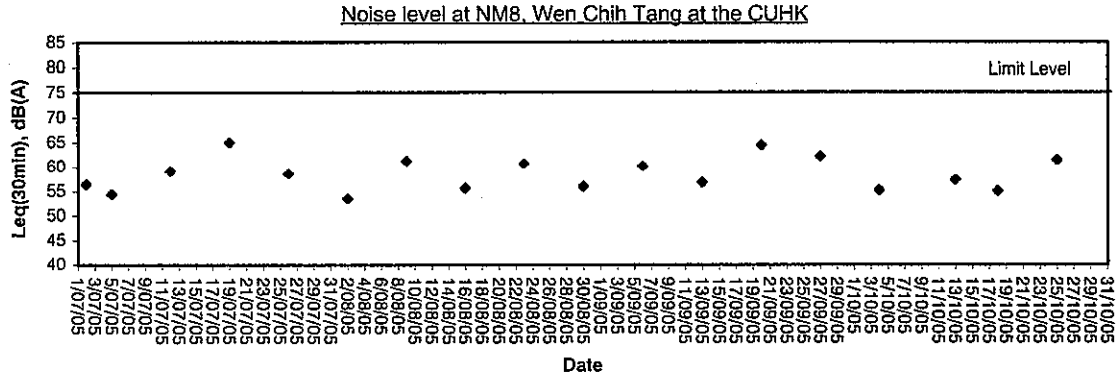
Noise level at NM2, CUHK Residence No.10



Noise level at NM3, Cheung Shue Tan Village



Noise level at NM8, Wen Chih Tang at the CUHK



Appendix D

Weather Condition

Weather Condition

Date	Rainfall (mm)	Max. Temp (°C)	Min. Temp. (°C)	Relative Humidity (%)	Wind Direction	Wind Speed (m/s)
01/10/05	-	30.8	26.8	80	SW	<5
02/10/05	3.6	32.4	24.9	78	W	<5
03/10/05	-	32.3	27.5	67	N	<5
04/10/05	-	30.6	25.6	70	N	<5
05/10/05	0.1	30.5	26.0	74	N	<5
06/10/05	0.1	30.3	26.1	77	E	<5
07/10/05	2.1	29.9	26.5	78	E	<5
08/10/05	-	29.7	25.4	63	N	<5
09/10/05	Trace	28.5	24.6	66	N	<5
10/10/05	Trace	28.9	25.1	74	N	<5
11/10/05	0.6	29.1	26.0	74	E	<5
12/10/05	Trace	28.0	26.0	76	E	<5
13/10/05	0.1	29.6	25.4	77	E	<5
14/10/05	-	29.8	25.7	79	E	<5
15/10/05	-	29.0	25.6	78	E	<5
16/10/05	-	28.3	24.3	75	E	<5
17/10/05	Trace	27.9	25.4	80	E	<5
18/10/05	Trace	27.7	25.2	70	E	<5
19/10/05	Trace	27.7	24.0	66	E	<5
20/10/05	-	27.8	23.5	68	E	<5
21/10/05	-	28.9	24.1	69	E	<5
22/10/05	Trace	27.7	23.2	61	E	<5
23/10/05	-	25.3	21.3	62	N	<5
24/10/05	-	25.6	20.3	65	N	<5
25/10/05	-	26.2	23.2	73	N	<5
26/10/05	-	26.8	23.1	76	E	<5
27/10/05	-	27.3	24.1	76	E	<5
28/10/05	-	27.8	24.2	79	E	<5
29/10/05	-	26.1	22.6	70	N	<5
30/10/05	-	24.9	20.8	67	N	<5
31/10/05	Trace	23.2	20.5	61	E	<5

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

Appendix E

Event-Action Plans

Event / Action Plan for Air Quality

EVENT	ACTION			
	ET Leader	IC(E)	ER	CNOTRACTOR
Action Level				
1. Exceedance of one sample	1. Identify source 2. Inform IC(E) and ER 3. Repeat measurement to confirm finding 4. Increase monitoring frequency to daily	1. Check monitoring data submitted by ET 2. Check Contractor's working method.	1. Notify Contractor	1. Rectify any unacceptable practice 2. Amend working methods if possible
2. Exceedance for two more consecutive samples	1. Identify source 2. Inform IC(E) and ER 3. Repeat measurement to confirm findings 4. Increase monitoring frequency to daily 5. Discuss with IC(E) and Contractor on remedial actions required 6. If exceedance continuous, arrange meeting with IC(E) and ER 7. If exceedance stops, cease additional monitoring	1. Checking monitoring data submitted by ET 2. Check Contactor's working method 3. Discuss with ET and Contractor on possible remedial measures 4. Advise the ER on the effectiveness of the proposed remedial measures 5. Supervisor implementation of remedial measures	1. Confirm receipt of notification of failure in writing 2. Notify Contractor 3. Ensure remedial measures properly implemented	1. Submit proposals for remedial action to IC(E) within 3 working days of notification 2. Implement the agreed proposals 3. Amend proposal if possible
Limit Level				
1. Exceedance of one sample	1. Identify source 2. Inform ER and EPD 3. Repeat measurement to confirm finding 4. Increase monitoring frequency to daily 5. Assess effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER informed of the results	1. Check monitoring data submitted by ET 2. Check Contractor's working method. 3. Discuss with ET and Contractor on possible remedial measures 4. Advise the ER on the effectiveness of the proposal remedial measures 5. Supervisor implementation of remedial measures	1. Confirm receipt of notification of failure in writing 2. Notify Contractor 3. Ensure remedial measures properly implemented	1. Take immediate action to avoid further exceedance 2. Submit proposal for remedial actions to IC(E) within 3 working days of notification 3. Implement the agreed proposals 4. Amend proposal if appropriate
2. Exceedance for two or more consecutive samples	1. Notify IC(E), ER, Contractor and EPD 2. Identify source 3. Repeat measurement to confirm findings 4. Increase monitoring frequency to daily 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented 6. Arrange meeting with IC(E) and ER to discuss the remedial actions to be taken 7. Assess effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER to discuss the remedial action to taken 8. If exceedance stops, cease additional monitoring	1. Discuss amongst ER, ET, and Contractor on potential remedial actions 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly 3. Supervise the implementation of remedial measures	1. Confirm receipt of notification of failure in writing 2. Notify Contractor 3. In consultation with the IC(E), agreed with the Contractor on the remedial measures to be implemented 4. Ensure remedial measures properly implemented 5. If exceedance continues, consider what portion of this work is responsible and instruct the Contract to stop that portion of work until the exceedance is abated.	1. Take immediate action to avoid further exceedance 2. Submit proposals for remedial actions to IC(E) within 3 working days of notification 3. Implement the agreed proposals 4. Resubmit proposals if possible still not under control 5. Stop the relevant portion of works as determined by the ER until the exceedance if abated.

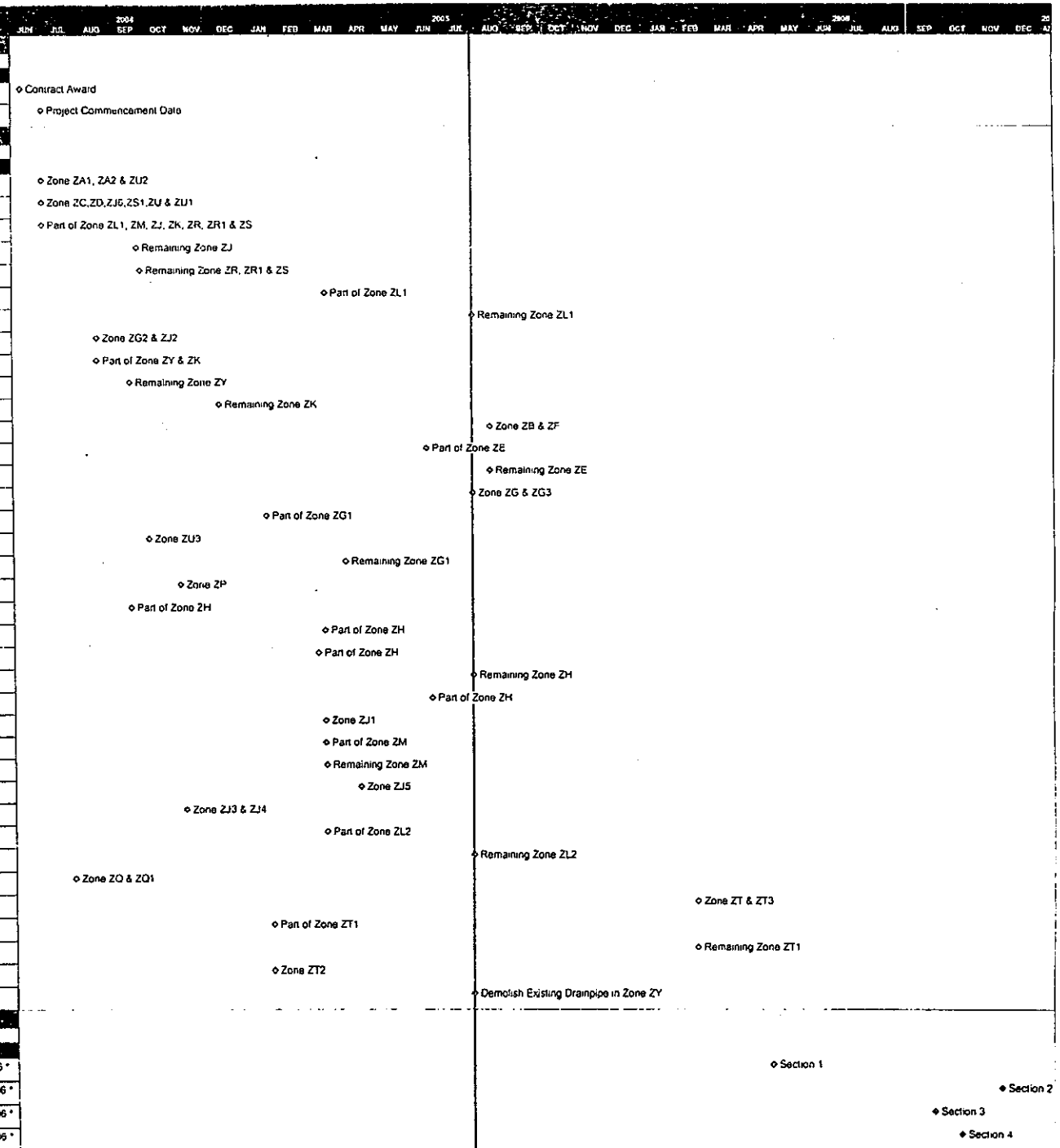
Event / Action Plan for Construction Noise

EVENT	ACTION			
	ET Leader	IC(E)	ER	CNOTRACTOR
Action Level	1. Notify IC(E) and Contractor 2. Carry out investigation 3. Report the results of investigation to the IC(E) and Contractor 4. Discuss with the Contractor and formulate remedial measures 5. Increase monitoring frequency to check mitigation effectiveness	1. Review the analyzed results submitted by the ET 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly 3. Supervise the implementation of remedial measures	1. Confirm receipt of notification of failure in writing 2. Notify Contractor 3. Require Contractor to propose remedial measures for the analyzed noise problem 4. Ensure remedial measures are properly implemented	1. Submit noise mitigation proposal to IC(E) 2. Implement noise mitigation proposals
Limit Level	1. Notify IC(E), ER, and Contractor 2. Identify source 3. Repeat measurement to confirm findings 4. Increase monitoring frequency 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented 6. Inform IC(E), ER and EPD the causes & action taken for the exceedances 7. Assess effectiveness of Contractor's remedial action and keep IC(E), EPD and ER informed to the results 8. If exceedance stops, cease additional monitoring	1. Discuss amongst ER, ET and Contractor on the potential remedial actions 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advice the ER accordingly 3. Supervise the implementation of remedial measures	1. Confirm receipt of notification of failure in writing 2. Notify Contractor 3. Require Contractor to propose remedial measures for the analysed noise problem 4. Ensure remedial measures are properly implemented 5. 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	1. Take immediate action to avoid further exceedance 2. Submit proposals for remedial actions to IC(E) within 3 working days of notification 3. Implement the agreed proposals 4. Resubmit proposals if problem still not under control 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated

Appendix F

Construction Programme

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
Project Commencement								
PC0100	Contract Award	0		100	10JUN04 A		10JUN04 A	
PC0200	Project Commencement Date	0		100	29JUN04 A		29JUN04 A	
Possession Date								
PD0100	Zone ZA1, ZA2 & ZU2	0		100	29JUN04 A		29JUN04 A	
PD0200	Zone ZC,ZD,ZJ6,ZS1,ZU & ZU1	0		100	29JUN04 A		29JUN04 A	
PD0210	Part of Zone ZL1, ZM, ZJ, ZK, ZR, ZR1 & ZS	0		100	29JUN04 A		29JUN04 A	
PD0220	Remaining Zone ZJ	0		100	24SEP04 A		24SEP04 A	
PD0230	Remaining Zone ZR, ZR1 & ZS	0		100	27SEP04 A		27SEP04 A	
PD0240	Part of Zone ZL1	0		100	15MAR05 A		15MAR05	
PD0250	Remaining Zone ZL1	0	882d	0	28JUL05 *		27DEC07	
PD0300	Zone ZG2 & ZJ2	0		100	18AUG04 A		18AUG04 A	
PD0310	Part of Zone ZY & ZK	0		100	18AUG04 A		18AUG04 A	
PD0320	Remaining Zone ZY	0		100	17SEP04 A		17SEP04 A	
PD0330	Remaining Zone ZK	0		100	08DEC04 A		08DEC04 A	
PD0400	Zone ZB & ZF	0	33d	0	13AUG05 *		15SEP05	
PD0410	Part of Zone ZE	0		100	16JUN05 A		16JUN05 A	
PD0420	Remaining Zone ZE	0	33d	0	13AUG05 *		15SEP05	
PD0500	Zone ZG & ZG3	0	882d	0	28JUL05 *		27DEC07	
PD0600	Part of Zone ZG1	0		100	20JAN05 A		20JAN05 A	
PD0610	Zone ZU3	0		100	04OCT04 A		04OCT04 A	
PD0620	Remaining Zone ZG1	0		100	02APR05 A		02APR05 A	
PD0700	Zone ZP	0		100	02NOV04 A		02NOV04 A	
PD0710	Part of Zone ZH	0		100	17SEP04 A		17SEP04 A	
PD0720	Part of Zone ZH	0		100	14MAR05 A		14MAR05	
PD0730	Part of Zone ZH	0		100	08MAR05 A		08MAR05	
PD0740	Remaining Zone ZH	0	-106d	0	28JUL05 *		13APR05	
PD0750	Part of Zone ZH	0		100	20JUN05 A		20JUN05 A	
PD0800	Zone ZJ1	0		100	14MAR05 A		14MAR05	
PD0810	Part of Zone ZM	0		100	14MAR05 A		14MAR05	
PD0820	Remaining Zone ZM	0		100	15MAR05 A		15MAR05	
PD0830	Zone ZJ5	0		100	15APR05 A		15APR05 A	
PD0900	Zone ZJ3 & ZJ4	0		100	06NOV04 A		06NOV04 A	
PD1000	Part of Zone ZL2	0		100	15MAR05 A		15MAR05	
PD1010	Remaining Zone ZL2	0	882d	0	28JUL05 *		27DEC07	
PD1100	Zone ZQ & ZQ1	0		100	26JUL04 A		26JUL04 A	
PD1200	Zone ZT & ZT3	0	130d	0	19FEB06 *		29JUN06	
PD1210	Part of Zone ZT1	0		100	25JAN05 A		25JAN05 A	
PD1220	Remaining Zone ZT1	0	142d	0	19FEB06 *		11JUL06	
PD1300	Zone ZT2	0		100	25JAN05 A		25JAN05 A	
PD1400	Demolish Existing Drainpipe in Zone ZY	0	43d	0	28JUL05 *		16SEP05	
Section Completion								
CD0100	Section 1	0	81d	0		29APR06		19JUL06 *
CD0200	Section 2	0	33d	0		23NOV06		26DEC06 *
CD0300	Section 3	0	94d	0		23SEP06		26DEC06 *
CD0400	Section 4	0	69d	0		18OCT06		26DEC06 *



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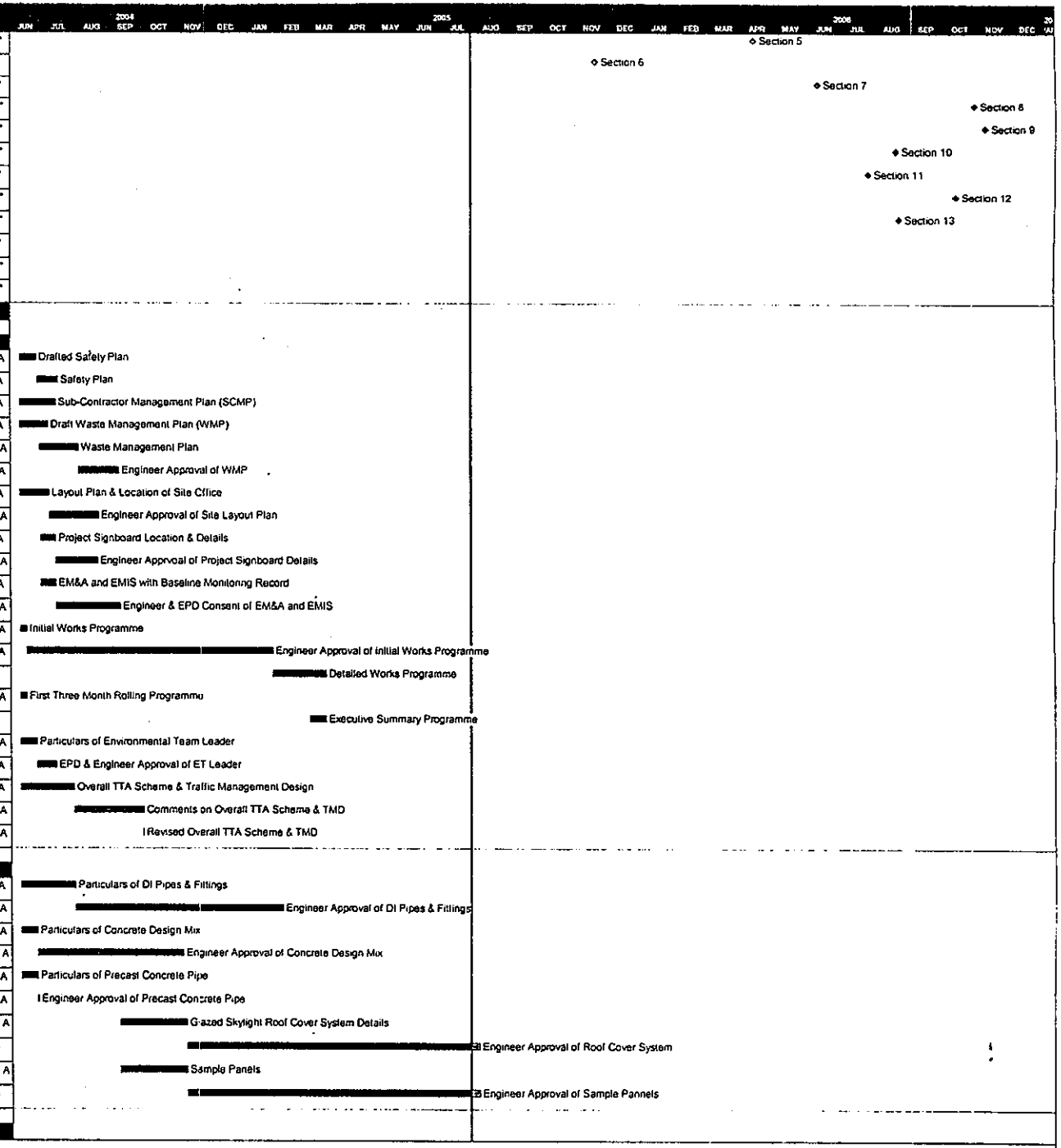
Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
CD0500	Section 5	0	-169d	0		11APR06		24OCT05 *
CD0600	Section 6	0	-116d	0		17NOV05		24JUL05 *
CD0700	Section 7	0	-107d	0		08JUN06		21FEB06 *
CD0800	Section 8	0	12d	0		27OCT06		09NOV06 *
CD0900	Section 9	0	52d	0		06NOV06		28DEC06 *
CD1000	Section 10	0	132d	0		16AUG06		28DEC06 *
CD1100	Section 11	0	-155d	0		24JUL06		19FEB06 *
CD1200	Section 12	0	26d	0		11OCT06		09NOV06 *
CD1300	Section 13	0	127d	0		21AUG06		28DEC06 *
CD1400	Section 14	0	-149d	0		18JUL07		19FEB07 *
CD1500	Section 15	0	31d	0		06OCT07		09NOV07 *
CD1600	Section 16	0	98d	0		19SEP07		28DEC07 *
Submissions								
General Submissions								
SUGS0100	Drafted Safety Plan	10		100	10JUN04 A	24JUN04 A	10JUN04 A	24JUN04 A
SUGS0200	Safety Plan	12		100	26JUN04 A	14JUL04 A	26JUN04 A	14JUL04 A
SUGS0300	Sub-Contractor Management Plan (SCMP)	24		100	10JUN04 A	12JUL04 A	10JUN04 A	12JUL04 A
SUGS0400	Draft Waste Management Plan (WMP)	18		100	10JUN04 A	05JUL04 A	10JUN04 A	05JUL04 A
SUGS0500	Waste Management Plan	18		100	28JUN04 A	02AUG04 A	28JUN04 A	02AUG04 A
SUGS0600	Engineer Approval of WMP	18		100	03AUG04 A	08SEP04 A	03AUG04 A	08SEP04 A
SUGS0700	Layout Plan & Location of Site Office	14		100	10JUN04 A	06JUL04 A	10JUN04 A	06JUL04 A
SUGS0800	Engineer Approval of Site Layout Plan	6		100	07JUL04 A	20AUG04 A	07JUL04 A	20AUG04 A
SUGS0900	Project Signboard Location & Details	18		100	29JUN04 A	12JUL04 A	29JUN04 A	12JUL04 A
SUGS1000	Engineer Approval of Project Signboard Details	6		100	13JUL04 A	19AUG04 A	13JUL04 A	19AUG04 A
SUGS1100	EM&A and EMIS with Baseline Monitoring Record	12		100	29JUN04 A	12JUL04 A	29JUN04 A	12JUL04 A
SUGS1200	Engineer & EPD Consent of EM&A and EMIS	80		100	13JUL04 A	09SEP04 A	13JUL04 A	09SEP04 A
SUGS1500	Initial Works Programme	7		100	10JUN04 A	15JUN04 A	10JUN04 A	15JUN04 A
SUGS1600	Engineer Approval of Initial Works Programme	12		100	16JUN04 A	26JAN05 A	16JUN04 A	26JAN05 A
SUGS1700	Detailed Works Programme	50		100	27JAN05 A	16MAR05 A	27JAN05 A	16MAR05
SUGS1800	First Three Month Rolling Programme	12		100	10JUN04 A	15JUN04 A	10JUN04 A	15JUN04 A
SUGS1900	Executive Summary Programme	50		100	02MAR05 A	16MAR05 A	02MAR05	16MAR05
SUGS2000	Particulars of Environmental Team Leader	12		100	10JUN04 A	24JUN04 A	10JUN04 A	24JUN04 A
SUGS2100	EPD & Engineer Approval of ET Leader	6		100	25JUN04 A	12JUL04 A	25JUN04 A	12JUL04 A
SUGS2200	Overall TTA Scheme & Traffic Management Design	24		100	10JUN04 A	28JUL04 A	10JUN04 A	28JUL04 A
SUGS2300	Comments on Overall TTA Scheme & TMD	18		100	29JUL04 A	30SEP04 A	29JUL04 A	30SEP04 A
SUGS2400	Revised Overall TTA Scheme & TMD	24		100	30SEP04 A	30SEP04 A	30SEP04 A	30SEP04 A
Material Submission								
SUMA0100	Particulars of DI Pipes & Fittings	54		100	10JUN04 A	29JUL04 A	10JUN04 A	29JUL04 A
SUMA0200	Engineer Approval of DI Pipes & Fittings	24		100	30JUL04 A	04FEB05 A	30JUL04 A	04FEB05 A
SUMA0300	Particulars of Concrete Design Mix	16		100	10JUN04 A	24JUN04 A	10JUN04 A	24JUN04 A
SUMA0400	Engineer Approval of Concrete Design Mix	23		100	25JUN04 A	05NOV04 A	25JUN04 A	05NOV04 A
SUMA0500	Particulars of Precast Concrete Pipe	12		100	10JUN04 A	24JUN04 A	10JUN04 A	24JUN04 A
SUMA0600	Engineer Approval of Precast Concrete Pipe	12		100	25JUN04 A	25JUN04 A	25JUN04 A	25JUN04 A
SUMA0700	Glazed Skylight Roof Cover System Details	50		100	09SEP04 A	08NOV04 A	09SEP04 A	08NOV04 A
SUMA0800	Engineer Approval of Roof Cover System	72	9d	90	09NOV04 A	04AUG05	09NOV04 A	15AUG05
SUMA0900	Sample Panels	50		100	09SEP04 A	08NOV04 A	09SEP04 A	08NOV04 A
SUMA1000	Engineer Approval of Sample Pannels	72	9d	90	09NOV04 A	04AUG05	09NOV04 A	15AUG05
Method Statement Submissions								



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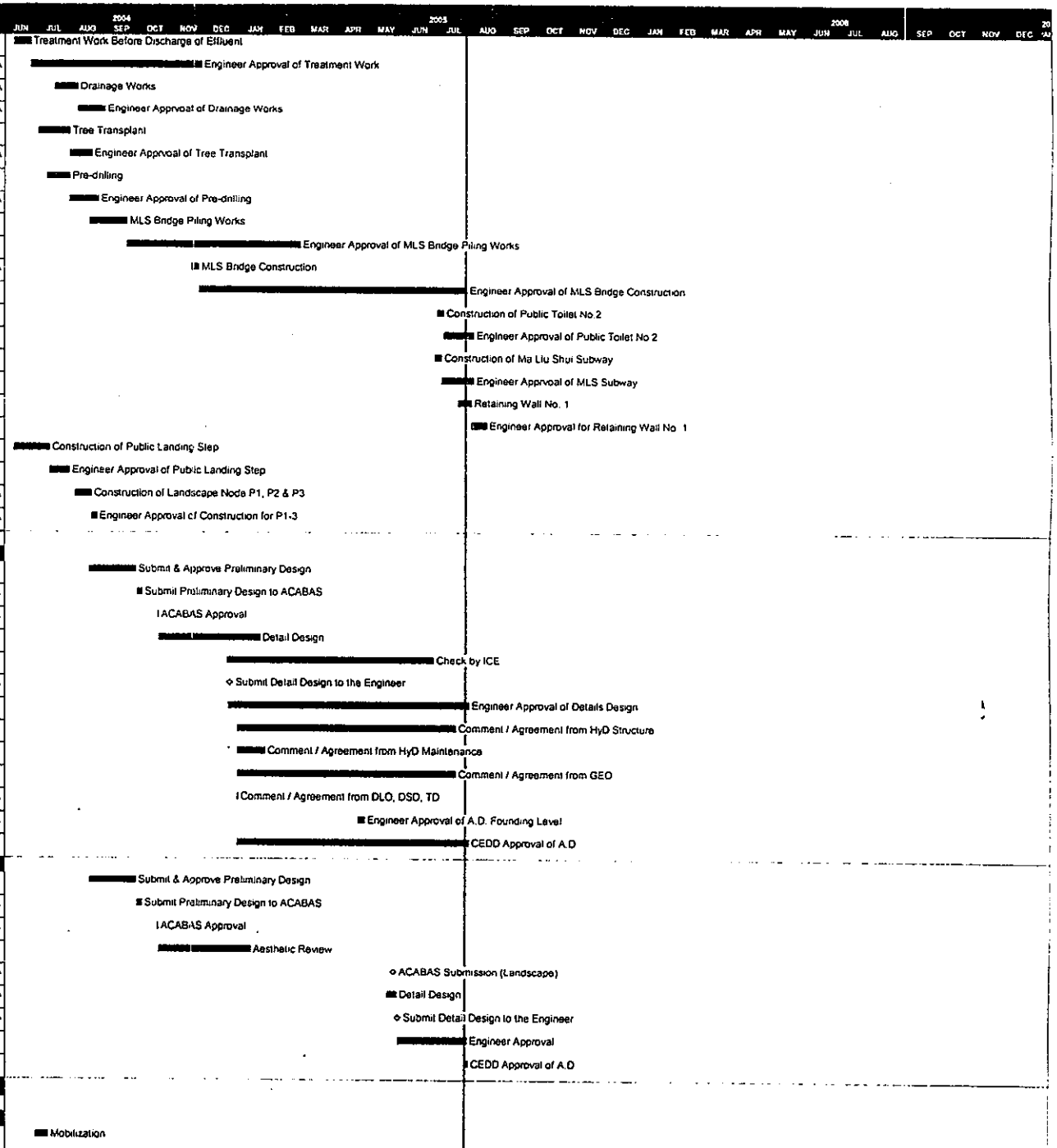
Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
SUME0100	Treatment Work Before Discharge of Effluent	24		100	10JUN04 A	24JUN04 A	10JUN04 A	24JUN04 A
SUME0200	Engineer Approval of Treatment Work	18		100	25JUN04 A	27NOV04 A	25JUN04 A	27NOV04 A
SUME0300	Drainage Works	18		100	17JUL04 A	06AUG04 A	17JUL04 A	06AUG04 A
SUME0400	Engineer Approval of Drainage Works	12		100	07AUG04 A	31AUG04 A	07AUG04 A	31AUG04 A
SUME0500	Tree Transplant	24		100	02JUL04 A	30JUL04 A	02JUL04 A	30JUL04 A
SUME0600	Engineer Approval of Tree Transplant	18		100	31JUL04 A	19AUG04 A	31JUL04 A	19AUG04 A
SUME0700	Pre-drilling	18		100	10JUL04 A	30JUL04 A	10JUL04 A	30JUL04 A
SUME0800	Engineer Approval of Pre-drilling	12		100	31JUL04 A	25AUG04 A	31JUL04 A	25AUG04 A
SUME0900	MLS Bridge Piling Works	18		100	18AUG04 A	20SEP04 A	18AUG04 A	20SEP04 A
SUME1000	Engineer Approval of MLS Bridge Piling Works	12		100	21SEP04 A	26FEB05 A	21SEP04 A	26FEB05 A
SUME1100	MLS Bridge Construction	48		100	19NOV04 A	25NOV04 A	19NOV04 A	25NOV04 A
SUME1200	Engineer Approval of MLS Bridge Construction	12	147d	90	26NOV04 A	28JUL05	26NOV04 A	21JAN06
SUME1300	Construction of Public Toilet No.2	18		100	02JUL05 A	07JUL05 A	02JUL05 A	07JUL05 A
SUME1400	Engineer Approval of Public Toilet No 2	12	83d	50	08JUL05 A	03AUG05	08JUL05 A	11NOV05
SUME1500	Construction of Ma Liu Shui Subway	48		100	30JUN05 A	05JUL05 A	30JUN05 A	05JUL05 A
SUME1600	Engineer Approval of MLS Subway	12	36d	50	06JUL05 A	03AUG05	06JUL05 A	14SEP05
SUME1700	Retaining Wall No. 1	24	93d	80	21JUL05 A	01AUG05	21JUL05 A	21NOV05
SUME1800	Engineer Approval for Retaining Wall No. 1	12	93d	0	02AUG05	15AUG05	22NOV05	05DEC05
SUME1900	Construction of Public Landing Step	60		100	10JUN04 A	12JUL04 A	10JUN04 A	12JUL04 A
SUME2000	Engineer Approval of Public Landing Step	12		100	13JUL04 A	30JUL04 A	13JUL04 A	30JUL04 A
SUME2100	Construction of Landscape Node P1, P2 & P3	60		100	05AUG04 A	19AUG04 A	05AUG04 A	19AUG04 A
SUME2200	Engineer Approval of Construction for P1-3	12		100	20AUG04 A	24AUG04 A	20AUG04 A	24AUG04 A
Alternative Design Submission								
Ma Liu Shui Bridge								
SUASMB0100	Submit & Approve Preliminary Design	36		100	18AUG04 A	28SEP04 A	18AUG04 A	28SEP04 A
SUASMB0200	Submit Preliminary Design to ACABAS	3		100	30SEP04 A	04OCT04 A	30SEP04 A	04OCT04 A
SUASMB0300	ACABAS Approval	1		100	19OCT04 A	19OCT04 A	19OCT04 A	19OCT04 A
SUASMB0400	Detail Design	50		100	20OCT04 A	20JAN05 A	20OCT04 A	20JAN05 A
SUASMB0500	Check by ICE	29		100	22DEC04 A	28JUN05 A	22DEC04 A	28JUN05 A
SUASMB0600	Submit Detail Design to the Engineer	0		100		23DEC04 A		23DEC04 A
SUASMB0700	Engineer Approval of Details Design	29	35d	90	23DEC04 A	30JUL05	23DEC04 A	09SEP05
SUASMB0800	Comment / Agreement from HyD Structure	23		100	31DEC04 A	18JUL05 A	31DEC04 A	18JUL05 A
SUASMB0900	Comment / Agreement from HyD Maintenance	11		100	31DEC04 A	25JAN05 A	31DEC04 A	25JAN05 A
SUASMB1000	Comment / Agreement from GEO	17		100	31DEC04 A	18JUL05 A	31DEC04 A	18JUL05 A
SUASMB1100	Comment / Agreement from DLO, DSD, TD	11		100	31DEC04 A	31DEC04 A	31DEC04 A	31DEC04 A
SUASMB1200	Engineer Approval of A.D. Founding Level	12		100	21APR05 A	26APR05 A	21APR05 A	26APR05 A
SUASMB1300	CEDD Approval of A.D.	29	35d	90	31DEC04 A	30JUL05	31DEC04 A	09SEP05
Ma Liu Shui Subway								
SUASSU0100	Submit & Approve Preliminary Design	36		100	18AUG04 A	28SEP04 A	18AUG04 A	28SEP04 A
SUASSU0200	Submit Preliminary Design to ACABAS	3		100	30SEP04 A	04OCT04 A	30SEP04 A	04OCT04 A
SUASSU0300	ACABAS Approval	1		100	19OCT04 A	19OCT04 A	19OCT04 A	19OCT04 A
SUASSU0400	Aesthetic Review	59		100	20OCT04 A	12JAN05 A	20OCT04 A	12JAN05 A
SUASSU0500	ACABAS Submission (Landscape)	0		100		23MAY05 A		23MAY05 A
SUASSU0600	Detail Design	101		100	18MAY05 A	26MAY05 A	18MAY05 A	26MAY05 A
SUASSU0700	Submit Detail Design to the Engineer	0		100		27MAY05 A		27MAY05 A
SUASSU0800	Engineer Approval	24	31d	90	28MAY05 A	29JUL05	28MAY05 A	03SEP05
SUASSU0900	CEDD Approval of A.D.	30	30d	90	28JUL05 A	30JUL05	28JUL05 A	03SEP05
Preliminaries								
Contractor's Site Accommodation								
PRCS0100	Mobilization	12		100	29JUN04 A	10JUL04 A	29JUN04 A	10JUL04 A



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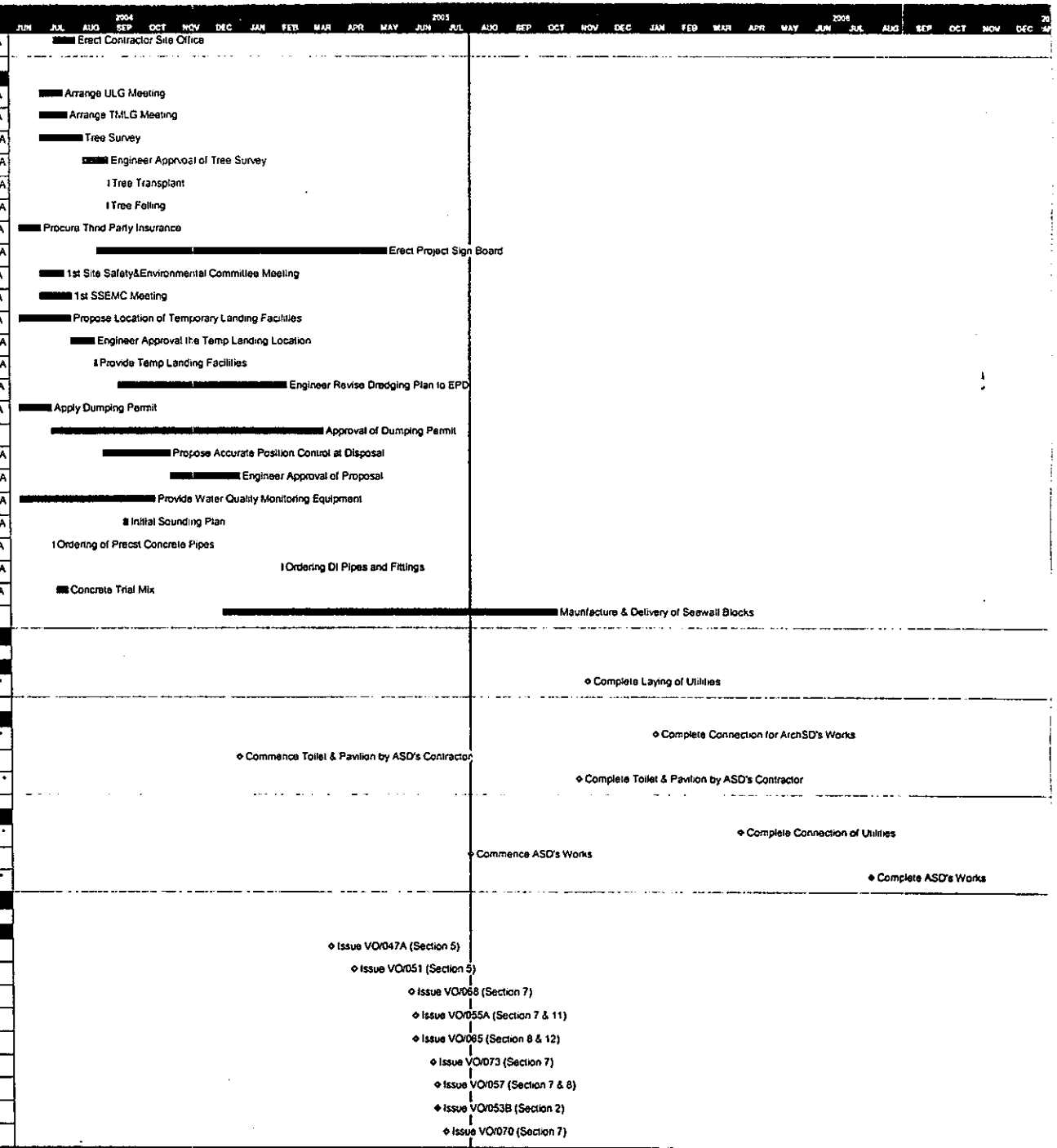
PRCS0200	Erect Contractor Site Office	28		100	12JUL04 A	31JUL04 A	12JUL04 A	31JUL04 A
Preliminary Works								
PRPR0300	Arrange ULG Meeting	60		100	29JUN04 A	19JUL04 A	29JUN04 A	19JUL04 A
PRPR0400	Arrange TMLG Meeting	48		100	29JUN04 A	23JUL04 A	29JUN04 A	23JUL04 A
PRPR0500	Tree Survey	6		100	29JUN04 A	06AUG04 A	29JUN04 A	06AUG04 A
PRPR0600	Engineer Approval of Tree Survey	12		100	07AUG04 A	30AUG04 A	07AUG04 A	30AUG04 A
PRPR0900	Tree Transplant	24		100	31AUG04 A	31AUG04 A	31AUG04 A	31AUG04 A
PRPR1000	Tree Felling	12		100	30AUG04 A	30AUG04 A	30AUG04 A	30AUG04 A
PRPR1100	Procure Third Party Insurance	12		100	10JUN04 A	29JUN04 A	10JUN04 A	29JUN04 A
PRPR1300	Erect Project Sign Board	18		100	20AUG04 A	12MAY05 A	20AUG04 A	12MAY05 A
PRPR1400	1st Site Safety&Environmental Committee Meeting	24		100	29JUN04 A	20JUL04 A	29JUN04 A	20JUL04 A
PRPR1500	1st SSEMC Meeting	24		100	29JUN04 A	27JUL04 A	29JUN04 A	27JUL04 A
PRPR1600	Propose Location of Temporary Landing Facilities	24		100	10JUN04 A	26JUL04 A	10JUN04 A	26JUL04 A
PRPR1700	Engineer Approval the Temp Landing Location	12		100	27JUL04 A	17AUG04 A	27JUL04 A	17AUG04 A
PRPR1800	Provide Temp Landing Facilities	15		100	18AUG04 A	19AUG04 A	18AUG04 A	19AUG04 A
PRPR1810	Engineer Revise Dredging Plan to EPD	1		100	08SEP04 A	09FEB05 A	08SEP04 A	09FEB05 A
PRPR1900	Apply Dumping Permit	18		100	10JUN04 A	08JUL04 A	10JUN04 A	08JUL04 A
PRPR2000	Approval of Dumping Permit	42		100	09JUL04 A	15MAR05 A	09JUL04 A	15MAR05
PRPR2100	Propose Accurate Position Control at Disposal	6		100	25AUG04 A	25OCT04 A	25AUG04 A	25OCT04 A
PRPR2200	Engineer Approval of Proposal	12		100	26OCT04 A	28DEC04 A	26OCT04 A	28DEC04 A
PRPR2300	Provide Water Quality Monitoring Equipment	21		100	10JUN04 A	11OCT04 A	10JUN04 A	11OCT04 A
PRPR2400	Initial Sounding Plan	12		100	13SEP04 A	16SEP04 A	13SEP04 A	16SEP04 A
PRPR2500	Ordering of Precst Concrete Pipes	700		100	10JUL04 A	10JUL04 A	10JUL04 A	10JUL04 A
PRPR2600	Ordering DI Pipes and Fittings	1		100	05FEB05 A	05FEB05 A	05FEB05 A	05FEB05 A
PRPR2700	Concrete Trial Mix	6		100	13JUL04 A	22JUL04 A	13JUL04 A	22JUL04 A
PRPR2800	Maunfacture & Delivery of Seawall Blocks	220	-45d	70	13DEC04 A	15OCT05	13DEC04 A	20AUG05
Milestone								
Section 5								
MSS50100	Complete Laying of Utilities	0	-104d	0		12NOV05		31JUL05 *
Section 7								
MSS70100	Complete Connection for ArchSD's Works	0	-166d	0		13JAN06		31JUL05 *
MSS70200	Commence Toilet & Pavilion by ASD's Contractor	0		100	28DEC04 A		28DEC04 A	
MSS70300	Complete Toilet & Pavilion by ASD's Contractor	0	1d	0		04NOV05		05NOV05 *
Section 8								
MSS80100	Complete Connection of Utilities	0	20d	0		31MAR06		20APR06 *
MSS80200	Commence ASD's Works	0	-6d	0	28JUL05 *		22JUL05	
MSS80300	Complete ASD's Works	0	-6d	0		28JUL06		22JUL06 *
Variation Order / Instruction								
VO0010	Issue VO/047A (Section 5)	0		100	22MAR05 A		22MAR05	
VO0020	Issue VO/051 (Section 5)	0		100	12APR05 A		12APR05 A	
VO0030	Issue VO/068 (Section 7)	0		100	03JUN05 A		03JUN05 A	
VO0040	Issue VO/055A (Section 7 & 11)	0		100	07JUN05 A		07JUN05 A	
VO0050	Issue VO/065 (Section 8 & 12)	0		100	07JUN05 A		07JUN05 A	
VO0060	Issue VO/073 (Section 7)	0		100	23JUN05 A		23JUN05 A	
VO0070	Issue VO/057 (Section 7 & 8)	0		100	27JUN05 A		27JUN05 A	
VO0080	Issue VO/053B (Section 2)	0		100	27JUN05 A		27JUN05 A	
VO0090	Issue VO/070 (Section 7)	0		100	05JUL05 A		05JUL05 A	



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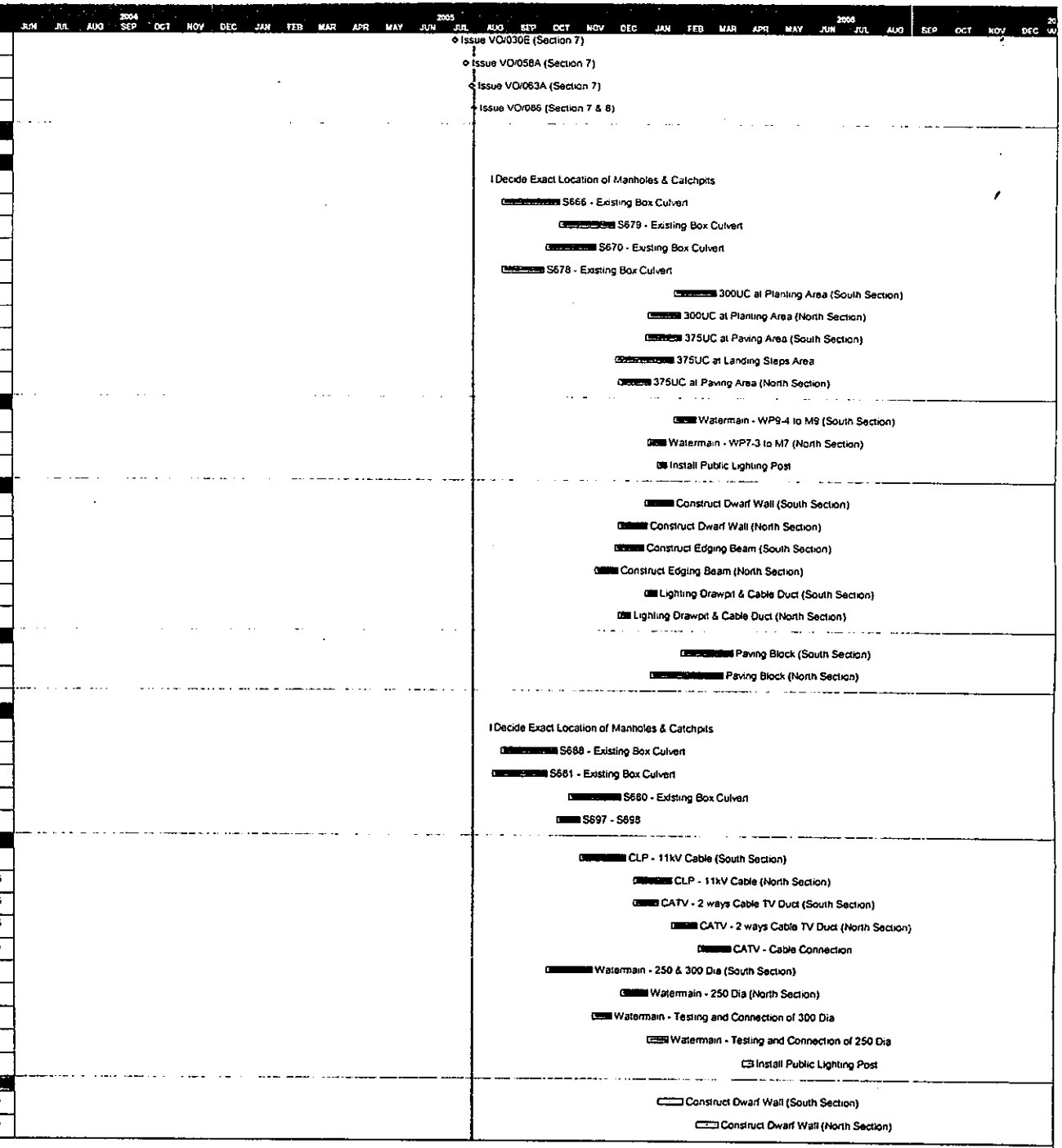
VO0100	Issue VO/030E (Section 7)	0		100	11JUL05 A		11JUL05 A	
VO0110	Issue VO/058A (Section 7)	0		100	21JUL05 A		21JUL05 A	
VO0120	Issue VO/063A (Section 7)	0		100	26JUL05 A		26JUL05 A	
VO0130	Issue VO/086 (Section 7 & 8)	0		100	28JUL05 A		28JUL05 A	
Section 1								
Amenity Area								
Drainage Works								
A1AMDW0100	Decide Exact Location of Manholes & Catchpits	1	98d	0	13AUG05	13AUG05	09DEC05	09DEC05
A1AMDW0200	S666 - Existing Box Culvert	43	98d	0	23AUG05	14OCT05	19DEC05	10FEB06
A1AMDW0300	S679 - Existing Box Culvert	43	98d	0	15OCT05	03DEC05	11FEB06	01APR06
A1AMDW0400	S670 - Existing Box Culvert	38	106d	0	03OCT05	16NOV05	09FEB06	24MAR06
A1AMDW0500	S678 - Existing Box Culvert	33	106d	0	23AUG05	30SEP05	30DEC05	09FEB06
A1AMDW0600	300UC at Planting Area (South Section)	30	112d	0	28JAN06	06MAR06	14JUN06	19JUL06
A1AMDW0700	300UC at Planting Area (North Section)	24	139d	0	04JAN06	02FEB06	21JUN06	19JUL06
A1AMDW0800	375UC at Paving Area (South Section)	27	98d	0	02JAN06	03FEB06	29APR06	01JUN06
A1AMDW0900	375UC at Landing Steps Area	45	102d	0	05DEC05	27JAN06	08APR06	01JUN06
A1AMDW1000	375UC at Paving Area (North Section)	24	106d	0	08DEC05	06JAN06	17APR06	15MAY06
Utility Works								
A1AMUT0100	Watermain - WP9-4 to M9 (South Section)	15	127d	0	28JAN06	16FEB06	03JUL06	19JUL06
A1AMUT0200	Watermain - WP7-3 to M7 (North Section)	15	148d	0	04JAN06	20JAN06	03JUL06	19JUL06
A1AMUT0300	Install Public Lighting Post	8	147d	0	13JAN06	21JAN06	11JUL06	19JUL06
Public Lighting, Duct and Kerb								
A1AMPK0100	Construct Dwarf Wall (South Section)	23	112d	0	02JAN06	27JAN06	17MAY06	13JUN06
A1AMPK0200	Construct Dwarf Wall (North Section)	21	139d	0	06DEC05	03JAN06	28MAY06	20JUN06
A1AMPK0300	Construct Edging Beam (South Section)	22	98d	0	05DEC05	31DEC05	03APR06	28APR06
A1AMPK0400	Construct Edging Beam (North Section)	18	106d	0	17NOV05	07DEC05	25MAR06	15APR06
A1AMPK0500	Lighting Drawpit & Cable Duct (South Section)	10	115d	0	02JAN06	12JAN06	20MAY06	01JUN06
A1AMPK0600	Lighting Drawpit & Cable Duct (North Section)	10	120d	0	08DEC05	19DEC05	04MAY06	15MAY06
Roads and Paving								
A1AMRP0100	Paving Block (South Section)	40	98d	0	04FEB06	22MAR06	02JUN06	19JUL06
A1AMRP0200	Paving Block (North Section)	54	106d	0	07JAN06	13MAR06	16MAY06	19JUL06
Cycle Track								
Drainage Works								
A1CTDW0100	Decide Exact Location of Manholes & Catchpits	1	52d	0	13AUG05	13AUG05	17OCT05	17OCT05
A1CTDW0200	S688 - Existing Box Culvert	42	60d	0	23AUG05	13OCT05	04NOV05	22DEC05
A1CTDW0300	S681 - Existing Box Culvert	42	52d	0	15AUG05	04OCT05	18OCT05	05DEC05
A1CTDW0400	S680 - Existing Box Culvert	41	28d	0	25OCT05	10DEC05	26NOV05	14JAN06
A1CTDW0500	S697 - S698	18	60d	0	14OCT05	03NOV05	23DEC05	14JAN06
Utility Works								
A1CTUT0300	CLP - 11kV Cable (South Section)	36	52d	0	04NOV05	15DEC05	06JAN06	18FEB06
A1CTUT0400	CLP - 11kV Cable (North Section)	28	28d	0	23DEC05	26JAN06	27JAN06	02MAR06
A1CTUT0900	CATV - 2 ways Cable TV Duct (South Section)	18	52d	0	23DEC05	14JAN06	27FEB06	18MAR06
A1CTUT1000	CATV - 2 ways Cable TV Duct (North Section)	18	28d	0	27JAN06	18FEB06	03MAR06	23MAR06
A1CTUT1010	CATV - Cable Connection	26	40d	0	20FEB06	21MAR06	08APR06	09MAY06
A1CTUT1100	Watermain - 250 & 300 Dia (South Section)	35	52d	0	05OCT05	15NOV05	06DEC05	17JAN06
A1CTUT1200	Watermain - 250 Dia (North Section)	20	28d	0	12DEC05	05JAN06	16JAN06	09FEB06
A1CTUT1300	Watermain - Testing and Connection of 300 Dia	16	116d	0	16NOV05	03DEC05	06APR06	24APR06
A1CTUT1400	Watermain - Testing and Connection of 250 Dia	16	78d	0	06JAN06	24JAN06	11APR06	28APR06
A1CTUT1500	Install Public Lighting Post	8	61d	0	03APR06	12APR06	11JUL06	19JUL06
Public Lighting, Duct and Kerb								
A1CTPK0100	Construct Dwarf Wall (South Section)	18	52d	0	16JAN06	07FEB06	20MAR06	10APR06
A1CTPK0200	Construct Dwarf Wall (North Section)	18	28d	0	20FEB06	11MAR06	24MAR06	14APR06



Start date	10JUN04
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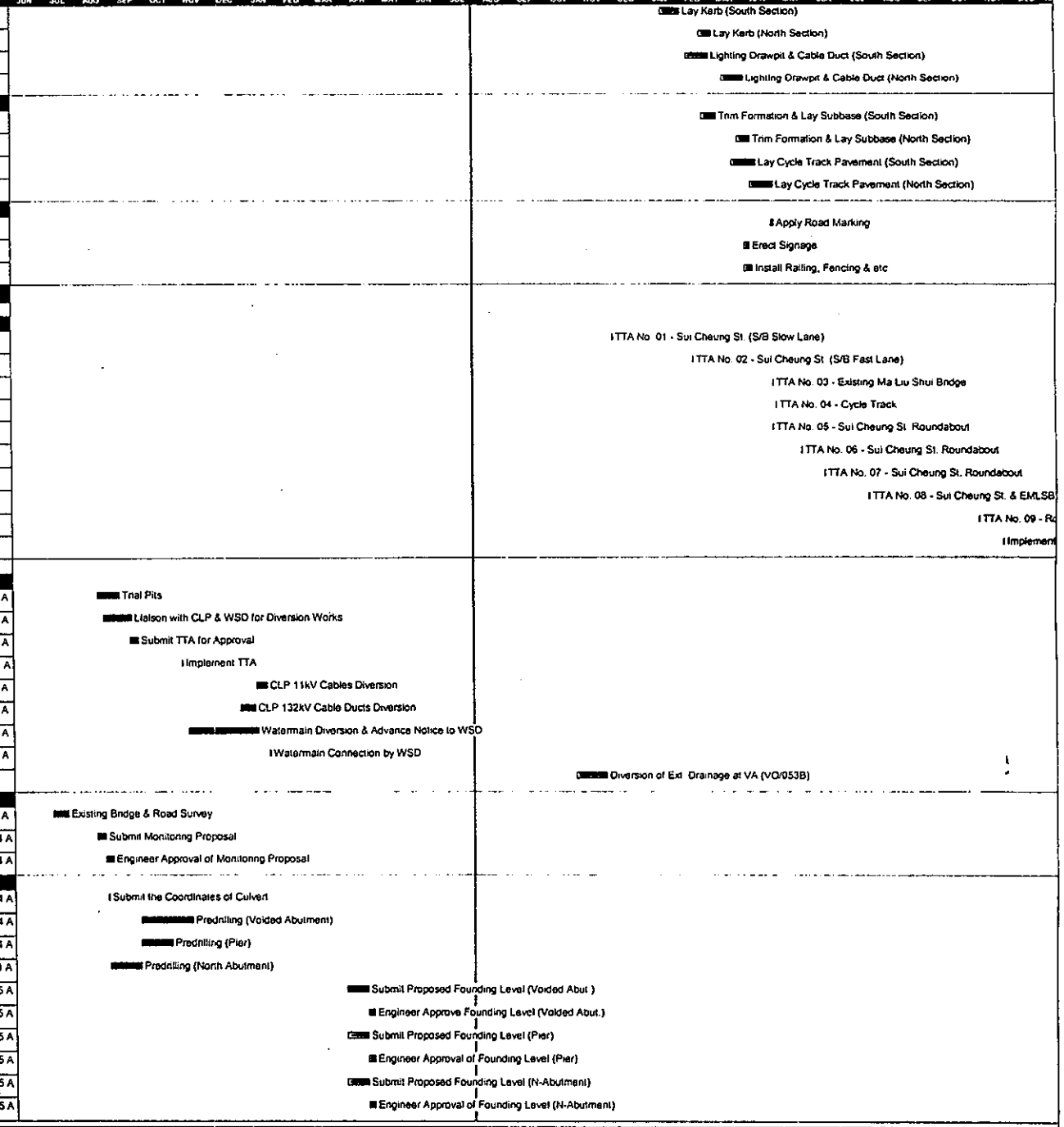
Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A1CTPK0300	Lay Kerb (South Section)	14	68d	0	16JAN06	02FEB06	08APR06	24APR06
A1CTPK0400	Lay Kerb (North Section)	11	47d	0	20FEB06	03MAR06	17APR06	28APR06
A1CTPK0500	Lighting Drawpit & Cable Duct (South Section)	18	52d	0	08FEB06	28FEB06	11APR06	02MAY06
A1CTPK0600	Lighting Drawpit & Cable Duct (North Section)	18	28d	0	13MAR06	01APR06	15APR06	06MAY06
Roads and Paving								
A1CTRP0100	Trim Formation & Lay Subbase (South Section)	12	52d	0	22FEB06	07MAR06	25APR06	09MAY06
A1CTRP0200	Trim Formation & Lay Subbase (North Section)	10	28d	0	27MAR06	07APR06	28APR06	11MAY06
A1CTRP0500	Lay Cycle Track Pavement (South Section)	18	40d	0	22MAR06	12APR06	10MAY06	30MAY06
A1CTRP0600	Lay Cycle Track Pavement (North Section)	18	28d	0	08APR06	28APR06	12MAY06	02JUN06
Road Marking , Traffic Sign and Fencing								
A1CTRM0100	Apply Road Marking	3	28d	0	27APR06	29APR06	01JUN06	03JUN06
A1CTRM0200	Erect Signage	4	85d	0	03APR06	07APR06	15JUL06	19JUL06
A1CTRM0300	Install Railing, Fencing & etc	6	83d	0	03APR06	10APR06	13JUL06	19JUL06
Section 2								
Temporary Traffic Management Scheme								
TTA Implementation								
A2TTMS0100	TTA No. 01 - Sui Cheung St. (S/B Slow Lane)	1	77d	0	02DEC05	02DEC05	07MAR06	07MAR06
A2TTMS0200	TTA No. 02 - Sui Cheung St. (S/B Fast Lane)	1	77d	0	14FEB06	14FEB06	17MAY06	17MAY06
A2TTMS0300	TTA No. 03 - Existing Ma Liu Shui Bridge	1	69d	0	29APR06	29APR06	22JUL06	22JUL06
A2TTMS0400	TTA No. 04 - Cycle Track	1	28d	0	02MAY06	02MAY06	05JUN06	05JUN06
A2TTMS0500	TTA No. 05 - Sui Cheung St. Roundabout	1	124d	0	29APR06	29APR06	25SEP06	25SEP06
A2TTMS0600	TTA No. 06 - Sui Cheung St. Roundabout	1	124d	0	25MAY06	25MAY06	20OCT06	20OCT06
A2TTMS0700	TTA No. 07 - Sui Cheung St. Roundabout	1	124d	0	15JUN06	15JUN06	10NOV06	10NOV06
A2TTMS0800	TTA No. 08 - Sui Cheung St. & EMLSB	1	28d	0	25JUL06	25JUL06	26AUG06	26AUG06
A2TTMS0900	TTA No. 09 - Road D1 & Sui Cheung St. R/A	1	28d	0	01NOV06	01NOV06	04DEC06	04DEC06
A2TTMS1000	Implement Permanent Traffic Scheme	1	28d	0	23NOV06	23NOV06	26DEC06	26DEC06
Proposed Ma Liu Shui Bridge								
Utility Divers on at Sui Cheung Street								
A2MBUD0100	Trial Pits	12		100	18AUG04 A	06SEP04 A	18AUG04 A	06SEP04 A
A2MBUD0200	Liaison with CLP & WSD for Diversion Works	30		100	23AUG04 A	17SEP04 A	23AUG04 A	17SEP04 A
A2MBUD0300	Submit TTA for Approval	24		100	18SEP04 A	23SEP04 A	18SEP04 A	23SEP04 A
A2MBUD0400	Implement TTA	1		100	03NOV04 A	03NOV04 A	03NOV04 A	03NOV04 A
A2MBUD0500	CLP 11kV Cables Diversion	21		100	10JAN05 A	19JAN05 A	10JAN05 A	19JAN05 A
A2MBUD0510	CLP 132kV Cable Ducts Diversion	11		100	26DEC04 A	08JAN05 A	26DEC04 A	08JAN05 A
A2MBUD0600	Watermain Diversion & Advance Notice to WSD	30		100	09NOV04 A	11JAN05 A	09NOV04 A	11JAN05 A
A2MBUD0610	Watermain Connection by WSD	18		100	22JAN05 A	22JAN05 A	22JAN05 A	22JAN05 A
A2MBUD0700	Diversion of Ext. Drainage at VA (VO/053B)	24	47d	0	29OCT05	25NOV05	23DEC05	21JAN06
Existing Structure Survey								
A2MBES0100	Existing Bridge & Road Survey	12		100	07JUL04 A	20JUL04 A	07JUL04 A	20JUL04 A
A2MBES0200	Submit Monitoring Proposal	12		100	16AUG04 A	23AUG04 A	16AUG04 A	23AUG04 A
A2MBES0300	Engineer Approval of Monitoring Proposal	12		100	24AUG04 A	30AUG04 A	24AUG04 A	30AUG04 A
Pre-drilling Works								
A2MBPR0100	Submit the Coordinates of Culvert	1		100	28AUG04 A	28AUG04 A	28AUG04 A	28AUG04 A
A2MBPR0200	Predrilling (Voided Abutment)	48		100	25SEP04 A	11NOV04 A	25SEP04 A	11NOV04 A
A2MBPR0400	Predrilling (Pier)	30		100	25SEP04 A	23OCT04 A	25SEP04 A	23OCT04 A
A2MBPR0500	Predrilling (North Abutment)	24		100	27AUG04 A	24SEP04 A	27AUG04 A	24SEP04 A
A2MBPR0700	Submit Proposed Founding Level (Voided Abut.)	12		100	01APR05 A	20APR05 A	01APR05 A	20APR05 A
A2MBPR0800	Engineer Approve Founding Level (Voided Abut.)	12		100	21APR05 A	26APR05 A	21APR05 A	26APR05 A
A2MBPR1100	Submit Proposed Founding Level (Pier)	6		100	01APR05 A	20APR05 A	01APR05 A	20APR05 A
A2MBPR1200	Engineer Approval of Founding Level (Pier)	12		100	21APR05 A	26APR05 A	21APR05 A	26APR05 A
A2MBPR1300	Submit Proposed Founding Level (N-Abutment)	6		100	01APR05 A	20APR05 A	01APR05 A	20APR05 A
A2MBPR1400	Engineer Approval of Founding Level (N-Abutment)	12		100	21APR05 A	26APR05 A	21APR05 A	26APR05 A



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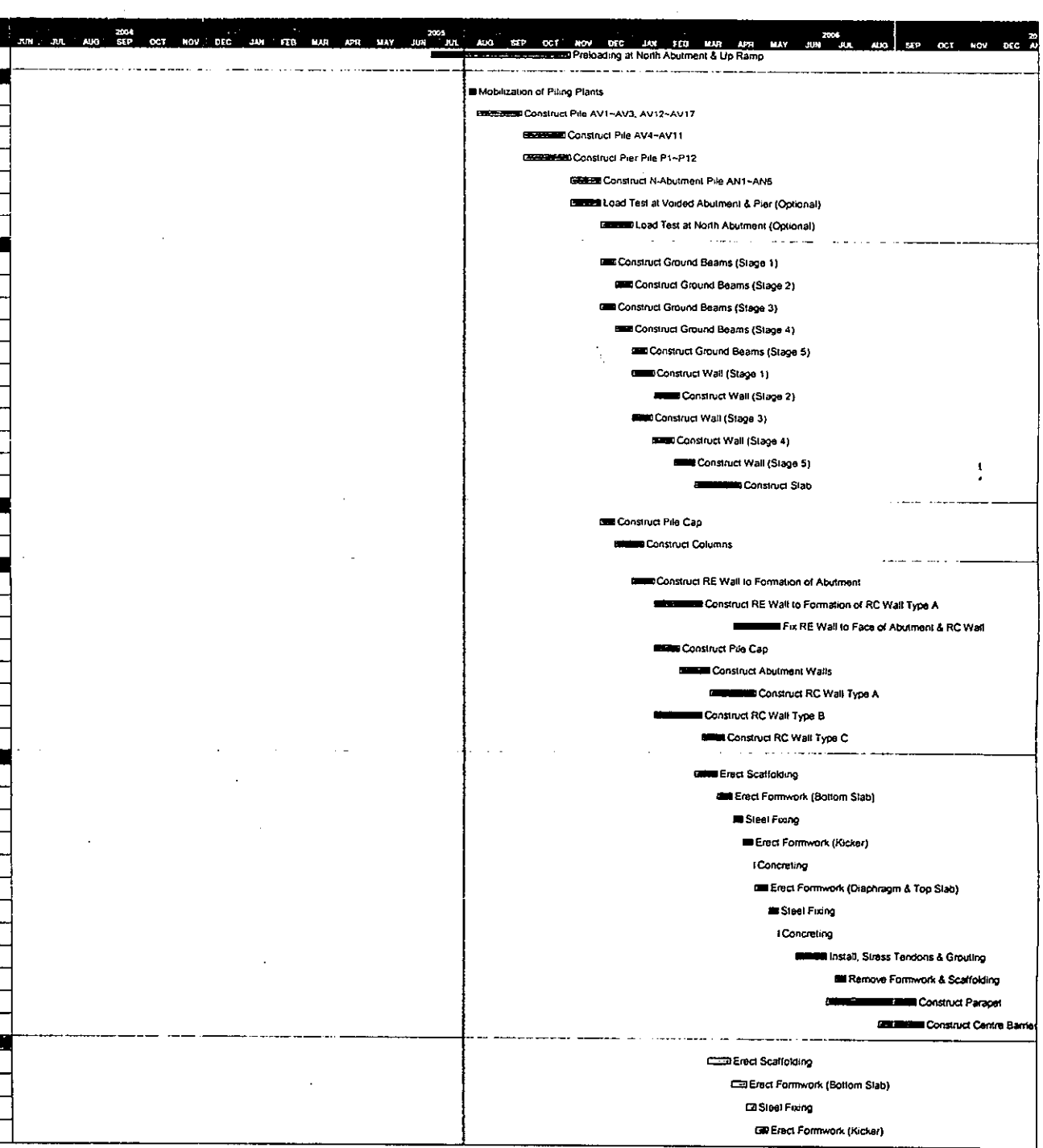
Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

Leader - Wai Kee (C&T) Joint Venture
TP37/03 - Revised Works Programmme - RP03

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A2MBPR1500	Preloading at North Abutment & Up Ramp	108	28d	25	27JUN05 A	02NOV05	27JUN05 A	05DEC05
Piling Works								
A2MBPW0100	Mobilization of Piling Plants	6	35d	0	01AUG05	06AUG05	10SEP05	16SEP05
A2MBPW0200	Construct Pile AV1~AV3, AV12~AV17	36	35d	0	08AUG05	17SEP05	17SEP05	01NOV05
A2MBPW1000	Construct Pile AV4~AV11	32	35d	0	20SEP05	28OCT05	02NOV05	08DEC05
A2MBPW1300	Construct Pier Pile P1~P12	36	31d	0	20SEP05	02NOV05	28OCT05	08DEC05
A2MBPW1500	Construct N-Abutment Pile AN1~AN5	24	31d	0	03NOV05	30NOV05	09DEC05	07JAN06
A2MBPW1510	Load Test at Voided Abutment & Pier (Optional)	24	31d	0	03NOV05	30NOV05	09DEC05	07JAN06
A2MBPW1600	Load Test at North Abutment (Optional)	24	31d	0	01DEC05	30DEC05	09JAN06	07FEB06
Voided Abutment								
A2MBVA0100	Construct Ground Beams (Stage 1)	12	43d	0	01DEC05	14DEC05	23JAN06	07FEB06
A2MBVA0200	Construct Ground Beams (Stage 2)	12	43d	0	15DEC05	30DEC05	08FEB06	21FEB06
A2MBVA0300	Construct Ground Beams (Stage 3)	12	31d	0	01DEC05	14DEC05	09JAN06	21JAN06
A2MBVA0400	Construct Ground Beams (Stage 4)	12	31d	0	15DEC05	30DEC05	23JAN06	07FEB06
A2MBVA0500	Construct Ground Beams (Stage 5)	12	51d	0	31DEC05	13JAN06	03MAR06	16MAR06
A2MBVA0600	Construct Wall (Stage 1)	18	43d	0	31DEC05	20JAN06	22FEB06	14MAR06
A2MBVA0700	Construct Wall (Stage 2)	18	43d	0	21JAN06	13FEB06	15MAR06	05APR06
A2MBVA0800	Construct Wall (Stage 3)	16	31d	0	31DEC05	18JAN06	08FEB06	25FEB06
A2MBVA0900	Construct Wall (Stage 4)	16	31d	0	19JAN06	08FEB06	27FEB06	16MAR06
A2MBVA1000	Construct Wall (Stage 5)	16	31d	0	09FEB06	27FEB06	17MAR06	05APR06
A2MBVA1100	Construct Slab	35	97d	0	28FEB06	11APR06	24JUN06	05AUG06
Pier								
A2MBPA0100	Construct Pile Cap	12	70d	0	01DEC05	14DEC05	25FEB06	10MAR06
A2MBPA0200	Construct Columns	21	70d	0	15DEC05	10JAN06	11MAR06	05APR06
North Abutment								
A2MBNA0100	Construct RE Wall to Formation of Abutment	18	31d	0	31DEC05	20JAN06	08FEB06	28FEB06
A2MBNA0200	Construct RE Wall to Formation of RC Wall Type A	36	40d	0	21JAN06	06MAR06	11MAR06	22APR06
A2MBNA0300	Fix RE Wall to Face of Abutment & RC Wall	36	34d	0	05APR06	17MAY06	16MAY06	27JUN06
A2MBNA1100	Construct Pile Cap	18	31d	0	21JAN06	13FEB06	01MAR06	21MAR06
A2MBNA1200	Construct Abutment Walls	24	31d	0	14FEB06	13MAR06	22MAR06	19APR06
A2MBNA1300	Construct RC Wall Type A	36	34d	0	14MAR06	25APR06	24APR06	06JUN06
A2MBNA1400	Construct RC Wall Type B	36	40d	0	21JAN06	06MAR06	11MAR06	22APR06
A2MBNA1500	Construct RC Wall Type C	18	40d	0	07MAR06	27MAR06	24APR06	15MAY06
Bridge Deck - Voided Abutment to Pier								
A2MBDA0100	Erect Scaffolding	18	31d	0	28FEB06	20MAR06	06APR06	26APR06
A2MBDA0200	Erect Formwork (Bottom Slab)	12	31d	0	21MAR06	03APR06	27APR06	11MAY06
A2MBDA0300	Steel Fixing	8	43d	0	05APR06	13APR06	26MAY06	05JUN06
A2MBDA0400	Erect Formwork (Kicker)	8	43d	0	14APR06	22APR06	06JUN06	14JUN06
A2MBDA0500	Concreting	1	43d	0	24APR06	24APR06	15JUN06	15JUN06
A2MBDA0600	Erect Formwork (Diaphragm & Top Slab)	10	43d	0	25APR06	06MAY06	16JUN06	27JUN06
A2MBDA0700	Steel Fixing	8	43d	0	08MAY06	16MAY06	28JUN06	07JUL06
A2MBDA0800	Concreting	1	43d	0	17MAY06	17MAY06	08JUL06	08JUL06
A2MBDA0900	Install, Stress Tendons & Grouting	24	31d	0	02JUN06	29JUN06	10JUL06	05AUG06
A2MBDA1000	Remove Formwork & Scaffolding	8	75d	0	08JUL06	17JUL06	04OCT06	13OCT06
A2MBDA1100	Construct Parapet	70	31d	0	30JUN06	20SEP06	07AUG06	27OCT06
A2MBDA1200	Construct Centre Barrier	36	31d	0	17AUG06	27SEP06	22SEP06	04NOV06
Bridge Deck - Pier to North Abutment								
A2MBDC0100	Erect Scaffolding	18	31d	0	14MAR06	03APR06	20APR06	11MAY06
A2MBDC0200	Erect Formwork (Bottom Slab)	12	31d	0	05APR06	18APR06	12MAY06	25MAY06
A2MBDC0300	Steel Fixing	8	31d	0	19APR06	27APR06	26MAY06	05JUN06
A2MBDC0400	Erect Formwork (Kicker)	8	31d	0	28APR06	08MAY06	06JUN06	14JUN06



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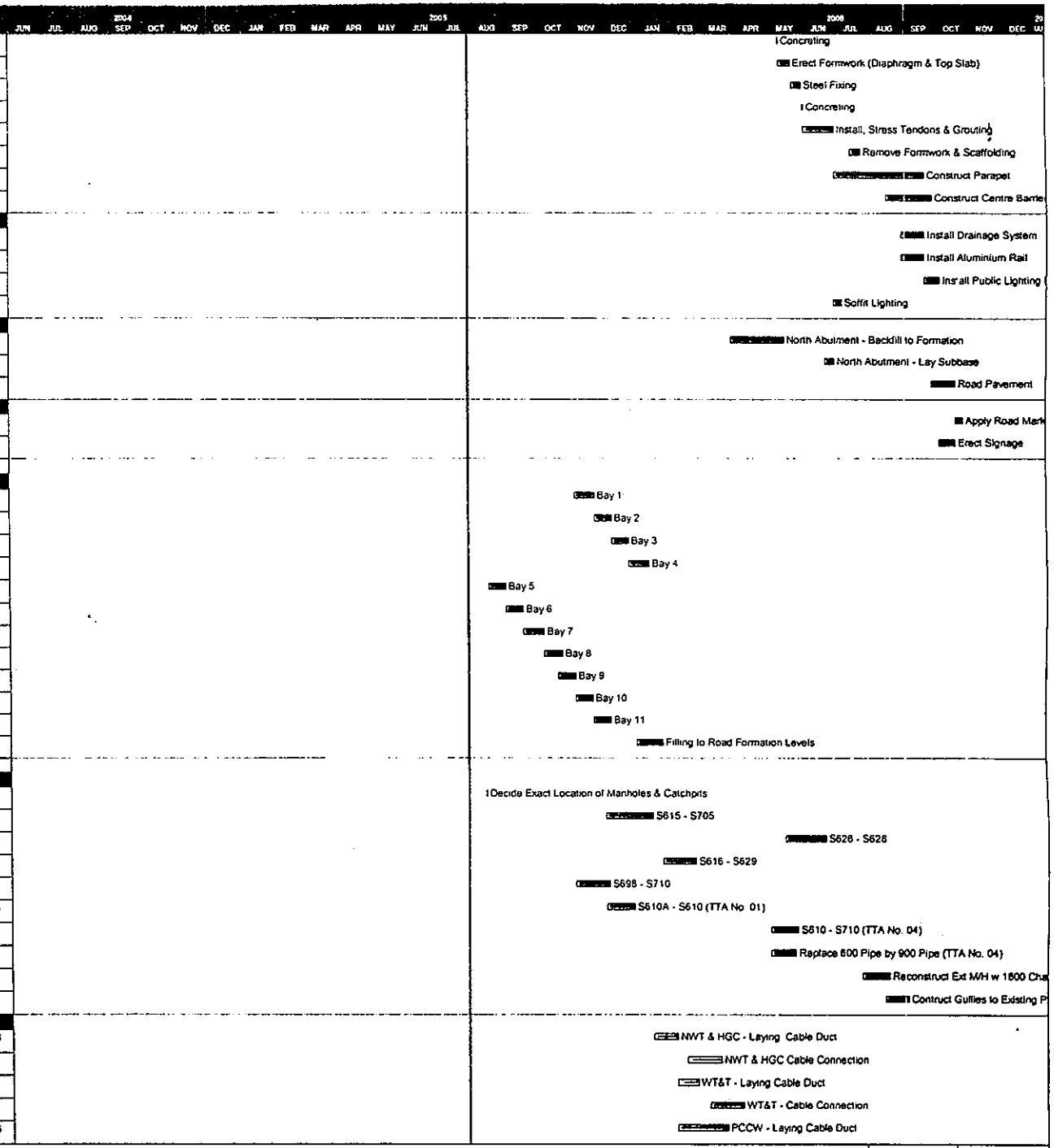
Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

Leader - Wai Kee (C&T) Joint Venture
TP37/03 - Revised Works Programmme - RP03

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A2MBDC0500	Concreting	1	31d	0	09MAY06	09MAY06	15JUN06	15JUN06
A2MBDC0600	Erect Formwork (Diaphragm & Top Slab)	10	31d	0	10MAY06	20MAY06	16JUN06	27JUN06
A2MBDC0700	Steel Fixing	8	31d	0	22MAY06	30MAY06	28JUN06	07JUL06
A2MBDC0800	Concreting	1	31d	0	01JUN06	01JUN06	08JUL06	08JUL06
A2MBDC0900	Install, Stress Tendons & Grouting	24	31d	0	02JUN06	29JUN06	10JUL06	05AUG06
A2MBDC1000	Remove Formwork & Scaffolding	8	69d	0	15JUL06	24JUL06	04OCT06	13OCT06
A2MBDC1100	Construct Parapet	70	31d	0	30JUN06	20SEP06	07AUG06	27OCT06
A2MBDC1200	Construct Centre Barrier	36	31d	0	17AUG06	27SEP06	22SEP06	04NOV06
Miscellaneous Works								
A2MBMW0100	Install Drainage System	18	37d	0	31AUG06	20SEP06	14OCT06	04NOV06
A2MBMW0200	Install Aluminium Rail	18	37d	0	31AUG06	20SEP06	14OCT06	04NOV06
A2MBMW0300	Install Public Lighting Post	12	43d	0	21SEP06	04OCT06	13NOV06	25NOV06
A2MBMW0400	Soffit Lighting	6	75d	0	30JUN06	07JUL06	27SEP06	03OCT06
Roads and Paving								
A2MBRP0100	North Abutment - Backfill to Formation	40	106d	0	28MAR06	15MAY06	03AUG06	18SEP06
A2MBRP0200	North Abutment - Lay Subbase	8	106d	0	22JUN06	30JUN06	26OCT06	04NOV06
A2MBRP0300	Road Pavement	18	31d	0	28SEP06	19OCT06	06NOV06	25NOV06
Road Marking , Traffic Sign and Fencing								
A2MBRM0100	Apply Road Marking	6	31d	0	20OCT06	26OCT06	27NOV06	02DEC06
A2MBRM0200	Erect Signage	12	31d	0	05OCT06	19OCT06	13NOV06	25NOV06
Retaining Wall								
No 1								
A2REWA0100	Bay 1	16	28d	0	03NOV05	21NOV05	06DEC05	23DEC05
A2REWA0200	Bay 2	14	28d	0	22NOV05	07DEC05	24DEC05	11JAN06
A2REWA0300	Bay 3	14	28d	0	08DEC05	23DEC05	12JAN06	27JAN06
A2REWA0400	Bay 4	14	28d	0	24DEC05	11JAN06	28JAN06	15FEB06
A2REWA0500	Bay 5	14	95d	0	16AUG05	31AUG05	08DEC05	23DEC05
A2REWA0600	Bay 6	14	95d	0	01SEP05	16SEP05	24DEC05	11JAN06
A2REWA0700	Bay 7	14	95d	0	17SEP05	05OCT05	12JAN06	27JAN06
A2REWA0800	Bay 8	14	95d	0	06OCT05	22OCT05	28JAN06	15FEB06
A2REWA0900	Bay 9	14	57d	0	19OCT05	03NOV05	24DEC05	11JAN06
A2REWA1000	Bay 10	14	57d	0	04NOV05	19NOV05	12JAN06	27JAN06
A2REWA1100	Bay 11	14	57d	0	21NOV05	06DEC05	28JAN06	15FEB06
A2REWA1200	Filling to Road Formation Levels	20	28d	0	31DEC05	23JAN06	04FEB06	27FEB06
Road D1								
Drainage Works								
A2RDDW0100	Decide Exact Location of Manholes & Catchpits	1	132d	0	13AUG05	13AUG05	20JAN06	20JAN06
A2RDDW0200	S615 - S705	36	32d	0	02DEC05	14JAN06	11JAN06	23FEB06
A2RDDW0300	S626 - S628	31	106d	0	16MAY06	21JUN06	19SEP06	25OCT06
A2RDDW0350	S616 - S629	24	114d	0	24JAN06	22FEB06	12JUN06	10JUL06
A2RDDW0400	S698 - S710	27	65d	0	04NOV05	05DEC05	21JAN06	23FEB06
A2RDDW0500	S610A - S610 (TTA No. 01)	20	77d	0	03DEC05	28DEC05	08MAR06	30MAR06
A2RDDW0600	S610 - S710 (TTA No. 04)	22	49d	0	03MAY06	27MAY06	30JUN06	26JUL06
A2RDDW0700	Replace 600 Pipe by 900 Pipe (TTA No. 04)	20	43d	0	03MAY06	25MAY06	23JUN06	17JUL06
A2RDDW0800	Reconstruct Ext M/H w 1800 Chamber (TTA No. 08)	22	54d	0	26JUL06	19AUG06	27SEP06	23OCT06
A2RDDW0900	Contruct Gullies to Existing Pipe (TTA No. 08)	18	26d	0	16AUG06	05SEP06	18SEP06	09OCT06
Utility Works								
A2RDUT0300	NWT & HGC - Laying Cable Duct	17	32d	0	16JAN06	06FEB06	24FEB06	15MAR06
A2RDUT0310	NWT & HGC Cable Connection	27	63d	0	16FEB06	18MAR06	03MAY06	03JUN06
A2RDUT0400	WT&T - Laying Cable Duct	17	32d	0	07FEB06	25FEB06	16MAR06	05APR06
A2RDUT0410	WT&T - Cable Connection	26	46d	0	09MAR06	08APR06	04MAY06	03JUN06
A2RDUT0500	PCCW - Laying Cable Duct	40	32d	0	07FEB06	24MAR06	16MAR06	03MAY06



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Summary bar
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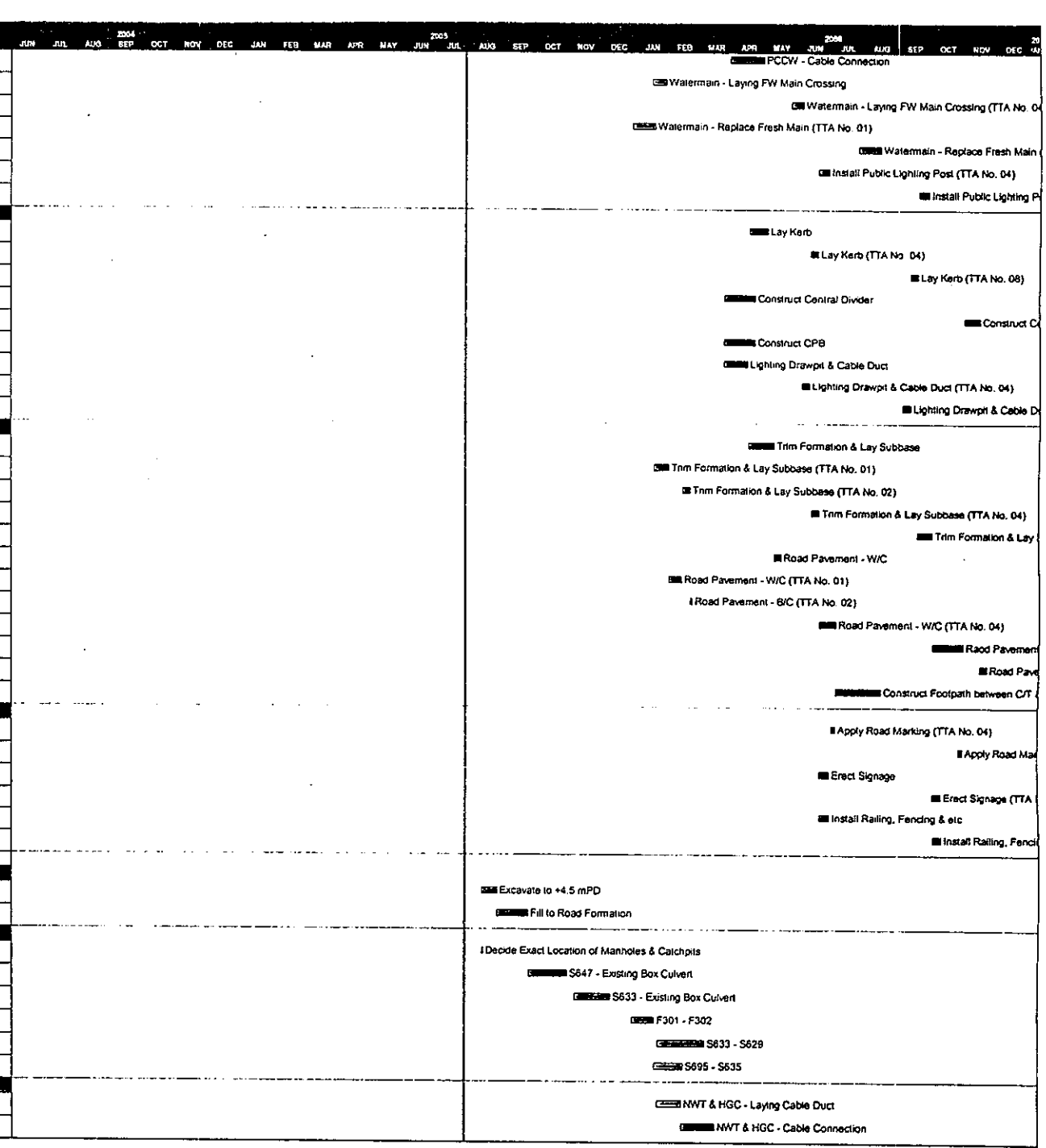
Leader - Wai Kee (C&T) Joint Venture
TP37/03 - Revised Works Programmme - RP03

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A2RDUT0510	PCCW - Cable Connection	26	28d	0	30MAR06	29APR06	04MAY06	03JUN06
A2RDUT0600	Watermain - Laying FW Main Crossing	12	32d	0	16JAN06	28JAN06	24FEB06	09MAR06
A2RDUT0700	Watermain - Laying FW Main Crossing (TTA No. 04)	8	43d	0	26MAY06	05JUN06	16JUL06	26JUL06
A2RDUT0800	Watermain - Replace Fresh Main (TTA No. 01)	18	77d	0	29DEC05	18JAN06	31MAR06	21APR06
A2RDUT0900	Watermain - Replace Fresh Main (TTA No. 08)	18	28d	0	26JUL06	15AUG06	28AUG06	16SEP06
A2RDUT1000	Install Public Lighting Post (TTA No. 04)	8	49d	0	20JUN06	28JUN06	17AUG06	25AUG06
A2RDUT1100	Install Public Lighting Post (TTA No. 08)	8	52d	0	20SEP06	28SEP06	22NOV06	30NOV06
Public Lighting, Duct and Kerb								
A2RDPK0100	Lay Kerb	14	84d	0	17APR06	03MAY06	27JUL06	11AUG06
A2RDPK0200	Lay Kerb (TTA No. 04)	6	43d	0	13JUN06	19JUN06	03AUG06	09AUG06
A2RDPK0300	Lay Kerb (TTA No. 08)	6	28d	0	13SEP06	19SEP06	17OCT06	23OCT06
A2RDPK0400	Construct Central Divider	24	88d	0	25MAR06	22APR06	11JUL06	07AUG06
A2RDPK0500	Construct Central Divider (TTA No. 09)	12	28d	0	02NOV06	15NOV06	05DEC06	18DEC06
A2RDPK0600	Construct CPB	24	88d	0	25MAR06	22APR06	11JUL06	07AUG06
A2RDPK0700	Lighting Drawpit & Cable Duct	18	84d	0	25MAR06	15APR06	06JUL06	26JUL06
A2RDPK0800	Lighting Drawpit & Cable Duct (TTA No. 04)	6	43d	0	06JUN06	12JUN06	27JUL06	02AUG06
A2RDPK0900	Lighting Drawpit & Cable Duct (TTA No. 08)	6	28d	0	06SEP06	12SEP06	10OCT06	16OCT06
Roads and Paving								
A2RDRP0100	Trim Formation & Lay Subbase	20	84d	0	17APR06	10MAY06	27JUL06	18AUG06
A2RDRP0200	Trim Formation & Lay Subbase (TTA No. 01)	10	77d	0	19JAN06	01FEB06	22APR06	04MAY06
A2RDRP0300	Trim Formation & Lay Subbase (TTA No. 02)	6	153d	0	15FEB06	21FEB06	17AUG06	23AUG06
A2RDRP0400	Trim Formation & Lay Subbase (TTA No. 04)	6	43d	0	15JUN06	21JUN06	05AUG06	11AUG06
A2RDRP0500	Trim Formation & Lay Subbase (TTA No. 08)	12	28d	0	20SEP06	03OCT06	24OCT06	07NOV06
A2RDRP0700	Road Pavement - W/C	6	84d	0	11MAY06	17MAY06	19AUG06	25AUG06
A2RDRP0800	Road Pavement - W/C (TTA No. 01)	10	77d	0	02FEB06	13FEB06	05MAY06	18MAY06
A2RDRP0900	Road Pavement - B/C (TTA No. 02)	2	153d	0	22FEB06	23FEB06	24AUG06	25AUG06
A2RDRP1000	Road Pavement - W/C (TTA No. 04)	12	43d	0	22JUN06	06JUL06	12AUG06	25AUG06
A2RDRP1100	Raod Pavement - W/C (TTA No. 08)	22	28d	0	04OCT06	31OCT06	08NOV06	02DEC06
A2RDRP1200	Road Pavement - W/C (TTA No. 09)	6	28d	0	16NOV06	22NOV06	19DEC06	25DEC06
A2RDRP1300	Construct Footpath between C/T & D1	36	110d	0	07JUL06	17AUG06	15NOV06	26DEC06
Road Marking , Traffic Sign and Fencing								
A2RDRM0100	Apply Road Marking (TTA No. 04)	4	43d	0	03JUL06	06JUL06	22AUG06	25AUG06
A2RDRM0200	Apply Road Marking (TTA No. 08)	2	28d	0	28OCT06	31OCT06	01DEC06	02DEC06
A2RDRM0400	Erect Signage	8	47d	0	22JUN06	30JUN06	17AUG06	25AUG06
A2RDRM0500	Erect Signage (TTA No. 08)	6	42d	0	04OCT06	11OCT06	24NOV06	30NOV06
A2RDRM0600	Install Railing, Fencing & etc	8	47d	0	22JUN06	30JUN06	17AUG06	25AUG06
A2RDRM0700	Install Railing, Fencing & etc (TTA No. 08)	6	42d	0	04OCT06	11OCT06	24NOV06	30NOV06
Road SL3								
Earthworks								
A2RSEA0100	Excavate to +4.5 mPD	12	90d	0	13AUG05	26AUG05	30NOV05	13DEC05
A2RSEA0200	Fill to Road Formation	24	90d	0	27AUG05	24SEP05	14DEC05	12JAN06
Drainage Works								
A2RSDW0100	Decide Exact Location of Manholes & Catchpits	1	125d	0	13AUG05	13AUG05	12JAN06	12JAN06
A2RSDW0200	S647 - Existing Box Culvert	29	90d	0	26SEP05	31OCT05	13JAN06	17FEB06
A2RSDW0300	S633 - Existing Box Culvert	29	90d	0	08NOV05	10DEC05	25FEB06	30MAR06
A2RSDW0400	F301 - F302	18	75d	0	31DEC05	20JAN06	31MAR06	21APR06
A2RSDW0500	S633 - S629	36	58d	0	24JAN06	08MAR06	05APR06	17MAY06
A2RSDW0600	S695 - S635	21	75d	0	21JAN06	16FEB06	22APR06	17MAY06
Utility Works								
A2RSUT0200	NWT & HGC - Laying Cable Duct	18	28d	0	24JAN06	15FEB06	28FEB06	20MAR06
A2RSUT0210	NWT & HGC - Cable Connection	27	94d	0	18FEB06	18MAR06	09JUN06	11JUL06



Start date	10JUN04
Finish date	06OCT07
Data date	28JUL05
Run date	04AUG05
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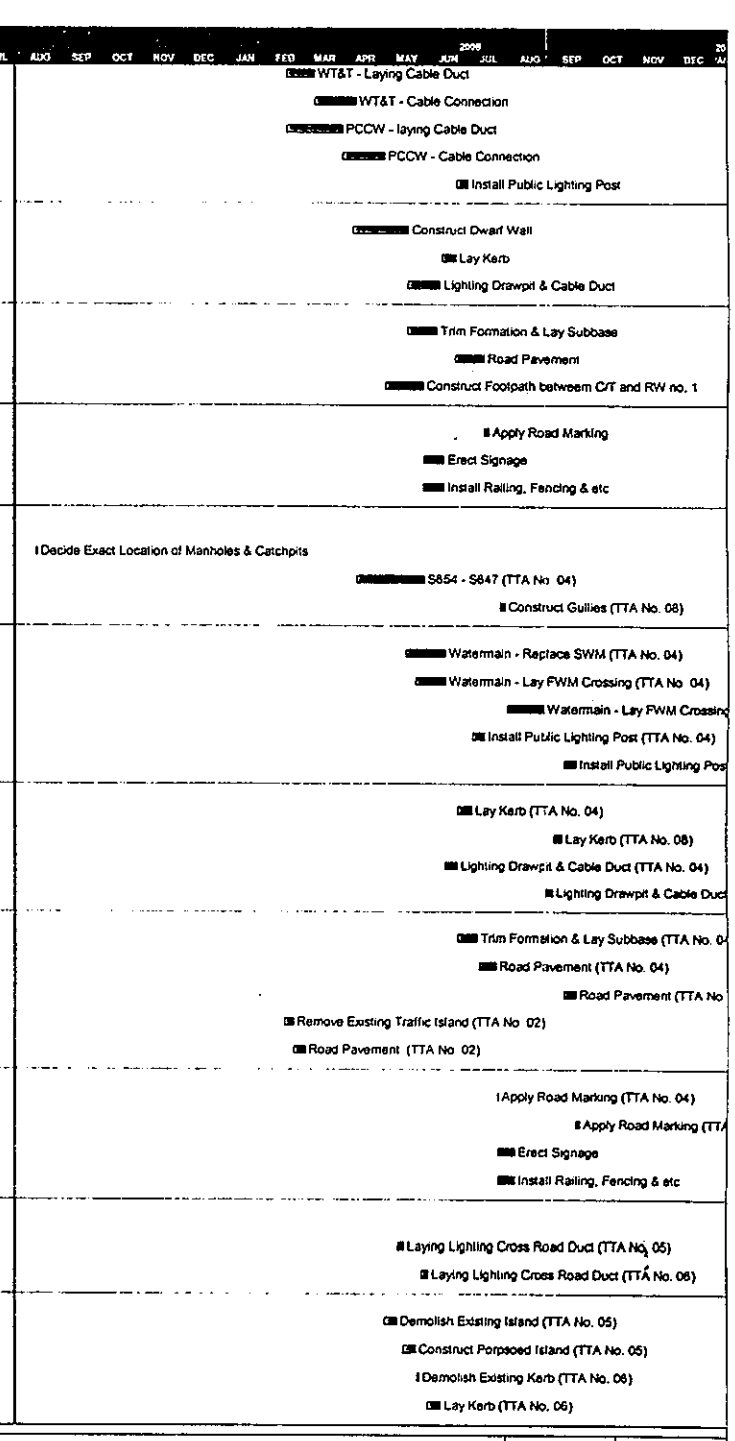
Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

Leader - Wal Kee (C&T) Joint Venture
TP37/03 - Revised Works Programmme - RP03

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A2RSUT0300	WT&T - Laying Cable Duct	18	28d	0	16FEB06	08MAR06	21MAR06	11APR06
A2RSUT0310	WT&T - Cable Connection	26	77d	0	09MAR06	08APR06	10JUN06	11JUL06
A2RSUT0400	PCCW - laying Cable Duct	36	28d	0	16FEB06	28MAR06	21MAR06	03MAY06
A2RSUT0410	PCCW - Cable Connection	26	28d	0	30MAR06	29APR06	04MAY06	03JUN06
A2RSUT0500	Install Public Lighting Post	8	44d	0	22JUN06	30JUN06	14AUG06	22AUG06
Public Lighting, Duct and Kerb								
A2RSPK0100	Construct Dwarf Wall	34	34d	0	07APR06	17MAY06	18MAY06	27JUN06
A2RSPK0200	Lay Kerb	9	34d	0	12JUN06	21JUN06	22JUL06	01AUG06
A2RSPK0300	Lighting Drawpit & Cable Duct	20	34d	0	18MAY06	10JUN06	28JUN06	21JUL06
Roads and Paving								
A2RSRP0100	Trim Formation & Lay Subbase	18	45d	0	18MAY06	08JUN06	12JUL06	01AUG06
A2RSRP0200	Road Pavement	18	34d	0	22JUN06	13JUL06	02AUG06	22AUG06
A2RSRP0300	Construct Footpath betweem C/T and RW no. 1	24	59d	0	02MAY06	29MAY06	12JUL06	08AUG06
Road Marking , Traffic Sign and Fencing								
A2RSRM0100	Apply Road Marking	3	34d	0	14JUL06	17JUL06	23AUG06	25AUG06
A2RSRM0200	Erect Signage	12	59d	0	30MAY06	13JUN06	09AUG06	22AUG06
A2RSRM0300	Install Railing, Fencing & etc	12	59d	0	30MAY06	13JUN06	09AUG06	22AUG06
Existing Sui Cheung Street								
Drainage Works								
A2SCDW0100	Decide Exact Location of Manholes & Catchpits	1	225d	0	13AUG05	13AUG05	13MAY06	13MAY06
A2SCDW0200	S654 - S647 (TTA No. 04)	42	28d	0	11APR06	30MAY06	15MAY06	04JUL06
A2SCDW0300	Construct Gullies (TTA No. 08)	4	59d	0	26JUL06	29JUL06	03OCT06	06OCT06
Utility Works								
A2SCUT0600	Watermain - Replace SWM (TTA No. 04)	24	28d	0	17MAY06	14JUN06	20JUN06	18JUL06
A2SCUT0700	Watermain - Lay FWM Crossing (TTA No. 04)	18	28d	0	24MAY06	14JUN06	27JUN06	18JUL06
A2SCUT0800	Watermain - Lay FWM Crossing (TTA No. 08)	24	59d	0	31JUL06	26AUG06	09OCT06	06NOV06
A2SCUT0900	Install Public Lighting Post (TTA No. 04)	8	37d	0	05JUL06	13JUL06	17AUG06	25AUG06
A2SCUT1000	Install Public Lighting Post (TTA No. 08)	8	59d	0	11SEP06	19SEP06	21NOV06	29NOV06
Public Lighting, Duct and Kerb								
A2SCPK0100	Lay Kerb (TTA No. 04)	8	28d	0	24JUN06	04JUL06	28JUL06	05AUG06
A2SCPK0200	Lay Kerb (TTA No. 08)	5	59d	0	04SEP06	09SEP06	14NOV06	20NOV06
A2SCPK0300	Lighting Drawpit & Cable Duct (TTA No. 04)	8	28d	0	15JUN06	23JUN06	19JUL06	27JUL06
A2SCPK0400	Lighting Drawpit & Cable Duct (TTA No. 08)	6	59d	0	28AUG06	02SEP06	07NOV06	13NOV06
Roads and Paving								
A2SCRP0100	Trim Formation & Lay Subbase (TTA No. 04)	12	28d	0	24JUN06	08JUL06	28JUL06	10AUG06
A2SCRP0200	Road Pavement (TTA No. 04)	12	28d	0	10JUL06	22JUL06	11AUG06	24AUG06
A2SCRP0300	Road Pavement (TTA No. 08)	8	59d	0	11SEP06	19SEP06	21NOV06	29NOV06
A2SCRP0400	Remove Existing Traffic Island (TTA No. 02)	6	77d	0	15FEB06	21FEB06	18MAY06	24MAY06
A2SCRP0500	Road Pavement (TTA No. 02)	8	77d	0	22FEB06	02MAR06	25MAY06	03JUN06
Road Marking , Traffic Sign and Fencing								
A2SCRM0050	Apply Road Marking (TTA No. 04)	1	28d	0	24JUL06	24JUL06	25AUG06	25AUG06
A2SCRM0100	Apply Road Marking (TTA No. 08)	3	59d	0	20SEP06	22SEP06	30NOV06	02DEC06
A2SCRM0200	Erect Signage	12	97d	0	24JUL06	05AUG06	16NOV06	29NOV06
A2SCRM0300	Install Railing, Fencing & etc	12	97d	0	24JUL06	05AUG06	16NOV06	29NOV06
Existing Sui Cheung Street Roundabout								
Public Lighting, Duct and Kerb								
A2SRPK0100	Laying Lighting Cross Road Duct (TTA No. 05)	4	124d	0	11MAY06	15MAY06	05OCT06	10OCT06
A2SRPK0200	Laying Lighting Cross Road Duct (TTA No. 06)	4	124d	0	29MAY06	02JUN06	24OCT06	27OCT06
Roads and Paving								
A2SRRP0100	Demolish Existing Island (TTA No. 05)	8	124d	0	02MAY06	10MAY06	26SEP06	04OCT06
A2SRRP0200	Construct Porpoised Island (TTA No. 05)	8	124d	0	16MAY06	24MAY06	11OCT06	19OCT06
A2SRRP0300	Demolish Existing Kerb (TTA No. 06)	2	124d	0	26MAY06	27MAY06	21OCT06	23OCT06
A2SRRP0400	Lay Kerb (TTA No. 06)	8	124d	0	03JUN06	12JUN06	28OCT06	07NOV06

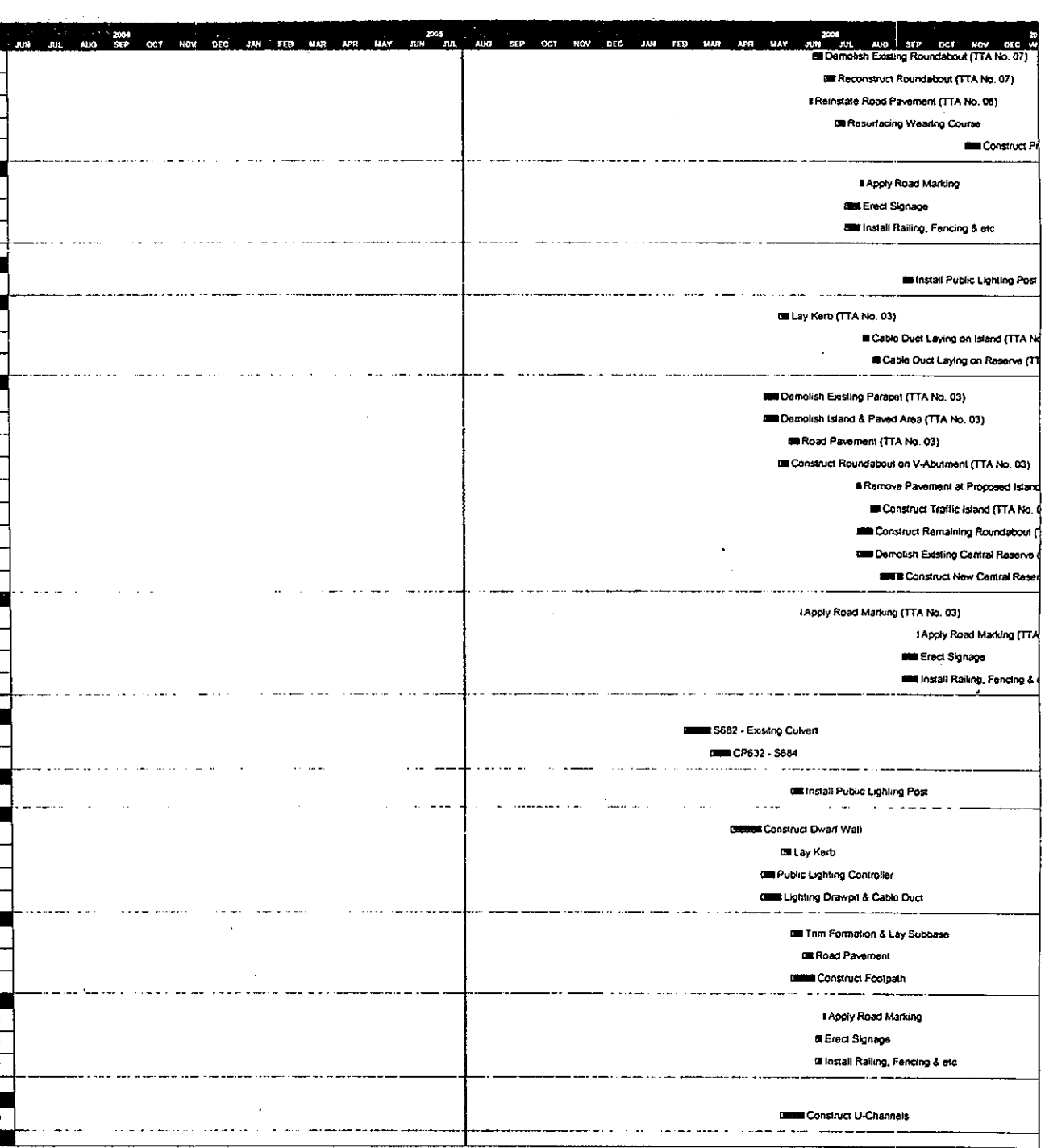


Start date	10JUN04
Finish date	06OCT07
Data date	28JUL05
Run date	04AUG05
Page number	10A

Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

Leader - Wai Kee (C&T) Joint Venture
TP37/03 - Revised Works Programmme - RP03

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A2SRRP0500	Demolish Existing Roundabout (TTA No. 07)	8	124d	0	16JUN06	24JUN06	11NOV06	20NOV06
A2SRRP0600	Reconstruct Roundabout (TTA No. 07)	8	124d	0	26JUN06	05JUL06	21NOV06	29NOV06
A2SRRP0700	Reinstate Road Pavement (TTA No. 06)	2	124d	0	13JUN06	14JUN06	08NOV06	09NOV06
A2SRRP0800	Resurfacing Wearing Course	8	124d	0	06JUL06	14JUL06	30NOV06	08DEC06
A2SRRP0900	Construct Proposed Island (TTA No. 09)	12	34d	0	02NOV06	15NOV06	12DEC06	25DEC06
Road Marking , Traffic Sign and Fencing								
A2SRRM0100	Apply Road Marking	2	124d	0	29JUL06	31JUL06	23DEC06	25DEC06
A2SRRM0200	Erect Signage	12	124d	0	15JUL06	28JUL06	09DEC06	22DEC06
A2SRRM0300	Install Railing, Fencing & etc	12	124d	0	15JUL06	28JUL06	09DEC06	22DEC06
Existing Ma Liu Shui Bridge								
Utility Works								
A2EBUT0100	Install Public Lighting Post	8	84d	0	06SEP06	14SEP06	15DEC06	23DEC06
Public Lighting, Duct and Kerb								
A2EBPK0100	Lay Kerb (TTA No. 03)	8	69d	0	16MAY06	24MAY06	07AUG06	15AUG06
A2EBPK0200	Cable Duct Laying on Island (TTA No. 08)	6	98d	0	31JUL06	05AUG06	24NOV06	30NOV06
A2EBPK0300	Cable Duct Laying on Reserve (TTA No. 08)	6	80d	0	09AUG06	15AUG06	13NOV06	18NOV06
Roads and Paving								
A2EBRP0100	Demolish Existing Parapet (TTA No. 03)	12	137d	0	02MAY06	15MAY06	12OCT06	25OCT06
A2EBRP0200	Demolish Island & Paved Area (TTA No. 03)	12	69d	0	02MAY06	15MAY06	24JUL06	05AUG06
A2EBRP0300	Road Pavement (TTA No. 03)	8	69d	0	25MAY06	03JUN06	16AUG06	24AUG06
A2EBRP0400	Construct Roundabout on V-Abutment (TTA No. 03)	8	137d	0	16MAY06	24MAY06	26OCT06	04NOV06
A2EBRP0500	Remove Pavement at Proposed Island (TTA No. 08)	4	98d	0	26JUL06	29JUL06	20NOV06	23NOV06
A2EBRP0600	Construct Traffic Island (TTA No. 08)	8	98d	0	07AUG06	15AUG06	01DEC06	09DEC06
A2EBRP0700	Construct Remaining Roundabout (TTA No. 08)	12	104d	0	26JUL06	08AUG06	27NOV06	09DEC06
A2EBRP0800	Demolish Existing Central Reserve (TTA No. 08)	12	80d	0	26JUL06	08AUG06	28OCT06	11NOV06
A2EBRP0900	Construct New Central Reserve (TTA No. 08)	18	80d	0	16AUG06	05SEP06	20NOV06	09DEC06
Road Marking , Traffic Sign and Fencing								
A2EBRM0100	Apply Road Marking (TTA No. 03)	1	69d	0	05JUN06	05JUN06	25AUG06	25AUG06
A2EBRM0200	Apply Road Marking (TTA No. 08)	1	80d	0	20SEP06	20SEP06	25DEC06	25DEC06
A2EBRM0300	Erect Signage	12	80d	0	06SEP06	19SEP06	11DEC06	23DEC06
A2EBRM0400	Install Railing, Fencing & etc	12	80d	0	06SEP06	19SEP06	11DEC06	23DEC06
Car Park and Access Road								
Drainage Works								
A2CPDW1200	S682 - Existing Culvert	21	153d	0	17FEB06	13MAR06	19AUG06	12SEP06
A2CPDW1300	CP632 - S684	16	153d	0	14MAR06	31MAR06	13SEP06	30SEP06
Utility Works								
A2CPUT0500	Install Public Lighting Post	8	171d	0	27MAY06	06JUN06	18DEC06	26DEC06
Public Lighting, Duct and Kerb								
A2CPPK0100	Construct Dwarf Wall	23	153d	0	01APR06	28APR06	02OCT06	28OCT06
A2CPPK0200	Lay Kerb	8	153d	0	18MAY06	26MAY06	17NOV06	25NOV06
A2CPPK0300	Public Lighting Controller	10	184d	0	29APR06	11MAY06	06DEC06	18DEC06
A2CPPK0400	Lighting Drawpit & Cable Duct	15	153d	0	29APR06	17MAY06	31OCT06	16NOV06
Roads and Paving								
A2CPRP0100	Trim Formation & Lay Subbase	8	161d	0	27MAY06	06JUN06	06DEC06	14DEC06
A2CPRP0200	Road Pavement	8	161d	0	07JUN06	15JUN06	15DEC06	23DEC06
A2CPRP0300	Construct Footpath	18	153d	0	27MAY06	17JUN06	27NOV06	16DEC06
Road Marking , Traffic Sign and Fencing								
A2CPRM0100	Apply Road Marking	2	153d	0	26JUN06	27JUN06	25DEC06	26DEC06
A2CPRM0200	Erect Signage	6	153d	0	19JUN06	24JUN06	18DEC06	23DEC06
A2CPRM0300	Install Railing, Fencing & etc	6	153d	0	19JUN06	24JUN06	18DEC06	23DEC06
Amenity Area								
Drainage Works								
A2AMDW0100	Construct U-Channels	18	169d	0	16MAY06	08JUN06	06DEC06	26DEC06
Utility Works								



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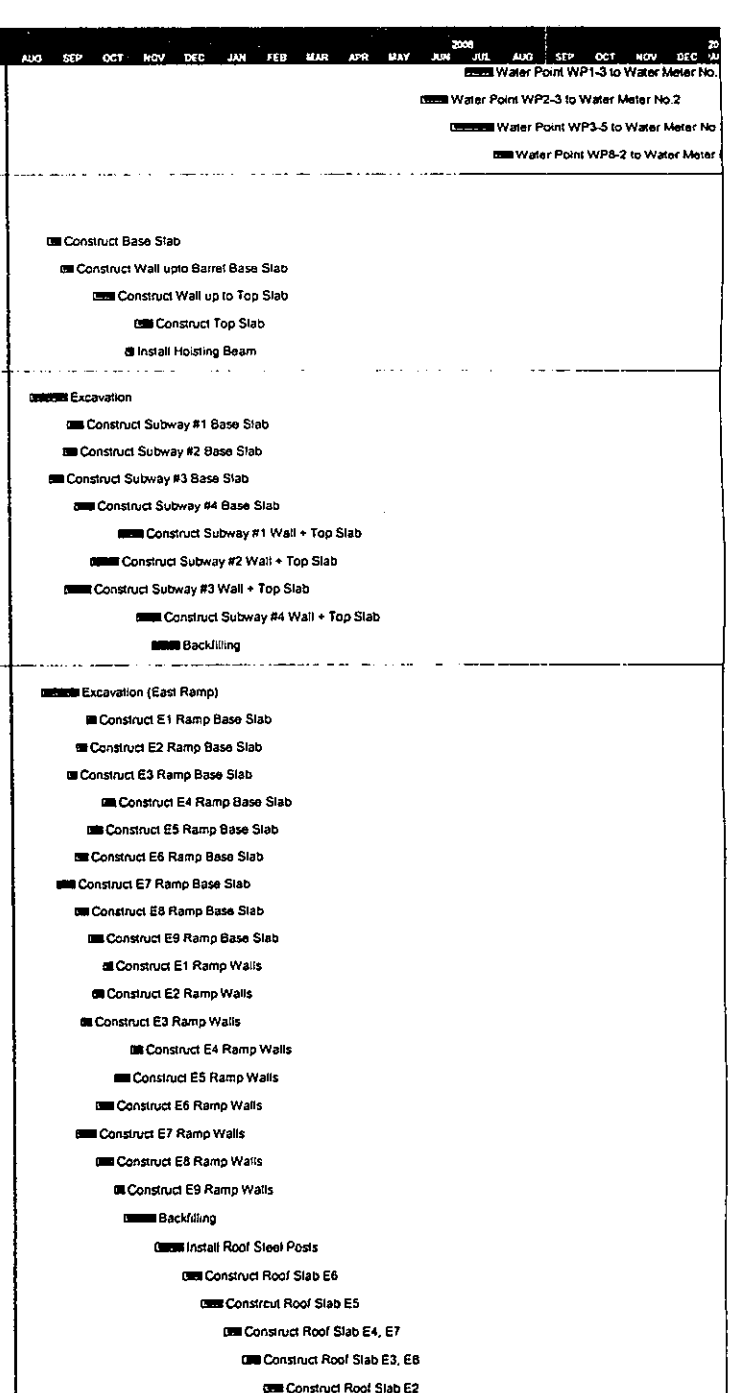
Finish date	06OCT07
Data date	28JUL05
Run date	04AUG05
Page number	11A

Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

Leader - Wai Kee (C&T) Joint Venture
TP37/03 - Revised Works Programmme - RP03

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A2AMJT0100	Water Point WP1-3 to Water Meter No.1	18	119d	0	04JUL06	24JUL06	22NOV06	12DEC06
A2AMJT0200	Water Point WP2-3 to Water Meter No.2	17	159d	0	01JUN06	20JUN06	07DEC06	26DEC06
A2AMJT0300	Water Point WP3-5 to Water Meter No.3	26	131d	0	23JUN06	24JUL06	27NOV06	26DEC06
A2AMJT0400	Water Point WP8-2 to Water Meter No.8	12	119d	0	25JUL06	07AUG06	13DEC06	26DEC06
Section 3								
Ma Liu Shui Subway								
Pump House Construction								
A3MSPH0100	Construct Base Slab	8	32d	0	27AUG05	06SEP05	06OCT05	15OCT05
A3MSPH0200	Construct Wall upto Barrel Base Slab	8	32d	0	06SEP05	14SEP05	17OCT05	25OCT05
A3MSPH0300	Construct Wall up to Top Slab	12	32d	0	30SEP05	15OCT05	09NOV05	22NOV05
A3MSPH0400	Construct Top Slab	12	36d	0	31OCT05	12NOV05	12DEC05	24DEC05
A3MSPH0500	Install Hoisting Beam	6	32d	0	24OCT05	29OCT05	30NOV05	06DEC05
Subway Barrel Construction								
A3MSSB0100	Excavation	24	28d	0	13AUG05	09SEP05	15SEP05	15OCT05
A3MSSB0200	Construct Subway #1 Base Slab	9	57d	0	10SEP05	21SEP05	19NOV05	29NOV05
A3MSSB0300	Construct Subway #2 Base Slab	9	44d	0	07SEP05	16SEP05	01NOV05	10NOV05
A3MSSB0400	Construct Subway #3 Base Slab	9	37d	0	27AUG05	06SEP05	13OCT05	22OCT05
A3MSSB0500	Construct Subway #4 Base Slab	12	32d	0	15SEP05	29SEP05	26OCT05	08NOV05
A3MSSB0600	Construct Subway #1 Wall + Top Slab	16	37d	0	18OCT05	04NOV05	30NOV05	17DEC05
A3MSSB0700	Construct Subway #2 Wall + Top Slab	16	37d	0	27SEP05	17OCT05	11NOV05	29NOV05
A3MSSB0800	Construct Subway #3 Wall + Top Slab	16	37d	0	07SEP05	28SEP05	24OCT05	10NOV05
A3MSSB0900	Construct Subway #4 Wall + Top Slab	16	32d	0	31OCT05	17NOV05	07DEC05	24DEC05
A3MSSB1000	Backfilling	18	32d	0	11NOV05	01DEC05	19DEC05	10JAN06
Subway East Ramp Construction								
A3MSSE0100	Excavation (East Ramp)	24	28d	0	20AUG05	16SEP05	23SEP05	22OCT05
A3MSSE0200	Construct E1 Ramp Base Slab	6	50d	0	23SEP05	29SEP05	23NOV05	29NOV05
A3MSSE0300	Construct E2 Ramp Base Slab	6	50d	0	15SEP05	22SEP05	16NOV05	22NOV05
A3MSSE0400	Construct E3 Ramp Base Slab	8	48d	0	08SEP05	14SEP05	07NOV05	12NOV05
A3MSSE0500	Construct E4 Ramp Base Slab	8	36d	0	04OCT05	13OCT05	16NOV05	24NOV05
A3MSSE0600	Construct E5 Ramp Base Slab	8	34d	0	23SEP05	03OCT05	04NOV05	12NOV05
A3MSSE0900	Construct E6 Ramp Base Slab	8	32d	0	13SEP05	22SEP05	24OCT05	01NOV05
A3MSSE1000	Construct E7 Ramp Base Slab	12	28d	0	30AUG05	12SEP05	04OCT05	18OCT05
A3MSSE1100	Construct E8 Ramp Base Slab	8	32d	0	13SEP05	22SEP05	24OCT05	01NOV05
A3MSSE1300	Construct E9 Ramp Base Slab	8	34d	0	23SEP05	03OCT05	04NOV05	12NOV05
A3MSSE1400	Construct E1 Ramp Walls	6	46d	0	04OCT05	10OCT05	30NOV05	06DEC05
A3MSSE1500	Construct E2 Ramp Walls	6	48d	0	26SEP05	03OCT05	23NOV05	29NOV05
A3MSSE1600	Construct E3 Ramp Walls	6	48d	0	17SEP05	24SEP05	16NOV05	22NOV05
A3MSSE1700	Construct E4 Ramp Walls	8	28d	0	24OCT05	01NOV05	25NOV05	03DEC05
A3MSSE2000	Construct E5 Ramp Walls	10	28d	0	12OCT05	22OCT05	14NOV05	24NOV05
A3MSSE2100	Construct E6 Ramp Walls	10	28d	0	28SEP05	10OCT05	02NOV05	12NOV05
A3MSSE2200	Construct E7 Ramp Walls	12	28d	0	13SEP05	27SEP05	19OCT05	01NOV05
A3MSSE2300	Construct E8 Ramp Walls	10	28d	0	28SEP05	10OCT05	02NOV05	12NOV05
A3MSSE2500	Construct E9 Ramp Walls	6	28d	0	12OCT05	18OCT05	14NOV05	19NOV05
A3MSSE2600	Backfilling	20	28d	0	19OCT05	10NOV05	21NOV05	13DEC05
A3MSSE2700	Install Roof Steel Posts	18	112d	0	11NOV05	01DEC05	27MAR06	17APR06
A3MSSE2800	Construct Roof Slab E6	12	112d	0	02DEC05	15DEC05	18APR06	02MAY06
A3MSSE2900	Construct Roof Slab E5	12	112d	0	16DEC05	31DEC05	03MAY06	16MAY06
A3MSSE3000	Construct Roof Slab E4, E7	12	112d	0	02JAN06	14JAN06	17MAY06	30MAY06
A3MSSE3100	Construct Roof Slab E3, E8	12	112d	0	16JAN06	28JAN06	01JUN06	14JUN06
A3MSSE3200	Construct Roof Slab E2	12	112d	0	01FEB06	14FEB06	15JUN06	28JUN06



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Early bar
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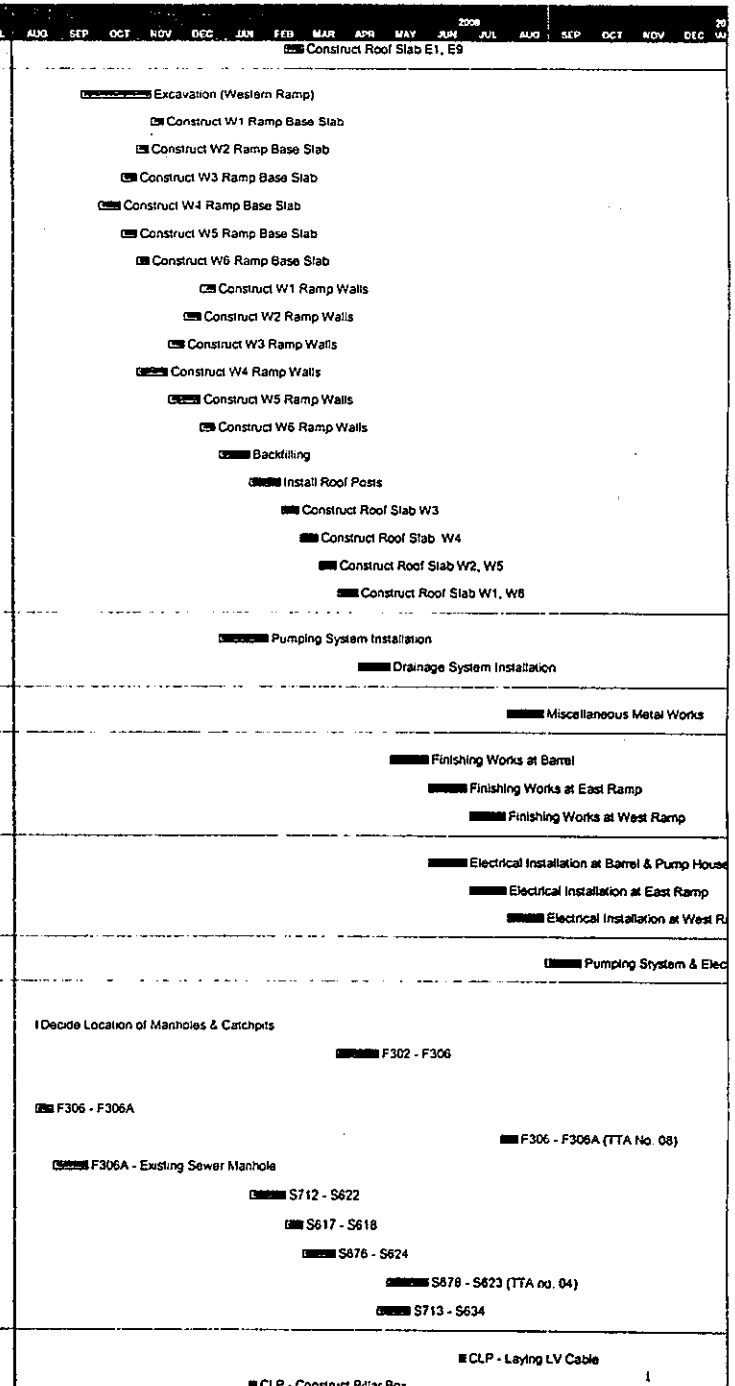
A3MSSE3300	Construct Roof Slab E1, E9	12	112d	0	15FEB06	28FEB06	29JUN06	13JUL06
Subway West Ramp Construction								
A3MSSW0100	Excavation (Western Ramp)	41	78d	0	17SEP05	07NOV05	21DEC05	10FEB06
A3MSSW0200	Construct W1 Ramp Base Slab	8	101d	0	08NOV05	16NOV05	10MAR06	18MAR06
A3MSSW0300	Construct W2 Ramp Base Slab	8	100d	0	28OCT05	05NOV05	27FEB06	07MAR06
A3MSSW0500	Construct W3 Ramp Base Slab	10	78d	0	17OCT05	27OCT05	18JAN06	28JAN06
A3MSSW0600	Construct W4 Ramp Base Slab	12	78d	0	30SEP05	15OCT05	04JAN06	17JAN06
A3MSSW0700	Construct W5 Ramp Base Slab	10	78d	0	17OCT05	27OCT05	18JAN06	28JAN06
A3MSSW0800	Construct W6 Ramp Base Slab	8	110d	0	28OCT05	05NOV05	10MAR06	18MAR06
A3MSSW0900	Construct W1 Ramp Walls	10	78d	0	14DEC05	24DEC05	20MAR06	30MAR06
A3MSSW1000	Construct W2 Ramp Walls	10	78d	0	02DEC05	13DEC05	08MAR06	18MAR06
A3MSSW1200	Construct W3 Ramp Walls	10	78d	0	21NOV05	01DEC05	24FEB06	07MAR06
A3MSSW1300	Construct W4 Ramp Walls	20	78d	0	28OCT05	19NOV05	01FEB06	23FEB06
A3MSSW1400	Construct W5 Ramp Walls	20	78d	0	21NOV05	13DEC05	24FEB06	18MAR06
A3MSSW1500	Construct W6 Ramp Walls	10	78d	0	14DEC05	24DEC05	20MAR06	30MAR06
A3MSSW1600	Backfilling	20	78d	0	28DEC05	19JAN06	31MAR06	24APR06
A3MSSW1700	Install Roof Posts	18	78d	0	20JAN06	11FEB06	25APR06	16MAY06
A3MSSW1800	Construct Roof Slab W3	12	78d	0	13FEB06	25FEB06	17MAY06	30MAY06
A3MSSW1900	Construct Roof Slab W4	12	78d	0	27FEB06	11MAR06	01JUN06	14JUN06
A3MSSW2000	Construct Roof Slab W2, W5	12	78d	0	13MAR06	25MAR06	15JUN06	28JUN06
A3MSSW2100	Construct Roof Slab W1, W6	12	78d	0	27MAR06	10APR06	29JUN06	13JUL06
Pumping and Drainage System								
A3MSPD0100	Pumping System Installation	30	226d	0	28DEC05	02FEB06	25SEP06	31OCT06
A3MSPD0200	Drainage System Installation	20	78d	0	11APR06	04MAY06	14JUL06	05AUG06
Miscellaneous works								
A3MSMW0100	Miscellaneous Metal Works	24	102d	0	31JUL06	26AUG06	29NOV06	26DEC06
Finishing Works								
A3MSFW0100	Finishing Works at Barrel	24	78d	0	05MAY06	02JUN06	07AUG06	02SEP06
A3MSFW0200	Finishing Works at East Ramp	24	78d	0	03JUN06	30JUN06	04SEP06	30SEP06
A3MSFW0300	Finishing Works at West Ramp	24	78d	0	03JUL06	29JUL06	02OCT06	31OCT06
E & M Works								
A3MSEM0100	Electrical Installation at Barrel & Pump House	24	126d	0	03JUN06	30JUN06	01NOV06	28NOV06
A3MSEM0200	Electrical Installation at East Ramp	24	102d	0	03JUL06	29JUL06	01NOV06	28NOV06
A3MSEM0300	Electrical Installation at West Ramp	24	78d	0	31JUL06	28AUG06	01NOV06	28NOV06
Testing and Commissioning								
A3MSTC0100	Pumping System & Electrical Installation	24	78d	0	28AUG06	23SEP06	29NOV06	26DEC06
Loading and Unloading Area								
Drainage Works								
A3LUDW0100	Decide Location of Manholes & Catchpits	1	212d	0	13AUG05	13AUG05	27APR06	27APR06
A3LUDW0200	F302 - F306	26	81d	0	25MAR06	25APR06	03JUL06	01AUG06
A3LUDW0300	Trial Pit for F306 - F306A (Deleted)	10		100	28JAN05 A	28JAN05 A	28JAN05 A	28JAN05 A
A3LUDW0400	F306 - F306A	11	358d	0	13AUG05	25AUG05	19OCT06	01NOV06
A3LUDW0500	F306 - F306A (TTA No. 08)	11	104d	0	26JUL06	07AUG06	27NOV06	08DEC06
A3LUDW0600	F306A - Existing Sewer Manhole	21	358d	0	26AUG05	20SEP05	02NOV06	25NOV06
A3LUDW0700	S712 - S622	21	81d	0	20JAN06	15FEB06	28APR06	23MAY06
A3LUDW0800	S617 - S618	11	81d	0	16FEB06	28FEB06	24MAY06	06JUN06
A3LUDW0900	S678 - S624	21	81d	0	01MAR06	24MAR06	07JUN06	30JUN06
A3LUDW1000	S678 - S623 (TTA no. 04)	28	99d	0	03MAY06	02JUN06	29AUG06	27SEP06
A3LUDW1100	S713 - S634	21	81d	0	26APR06	20MAY06	02AUG06	25AUG06
Utility Works								
A3LUUT0100	CLP - Laying LV Cable	5	81d	0	26JUN06	30JUN06	29SEP06	04OCT06
A3LUUT0200	CLP - Construct Pillar Box	5	205d	0	20JAN06	25JAN06	23SEP06	29SEP06



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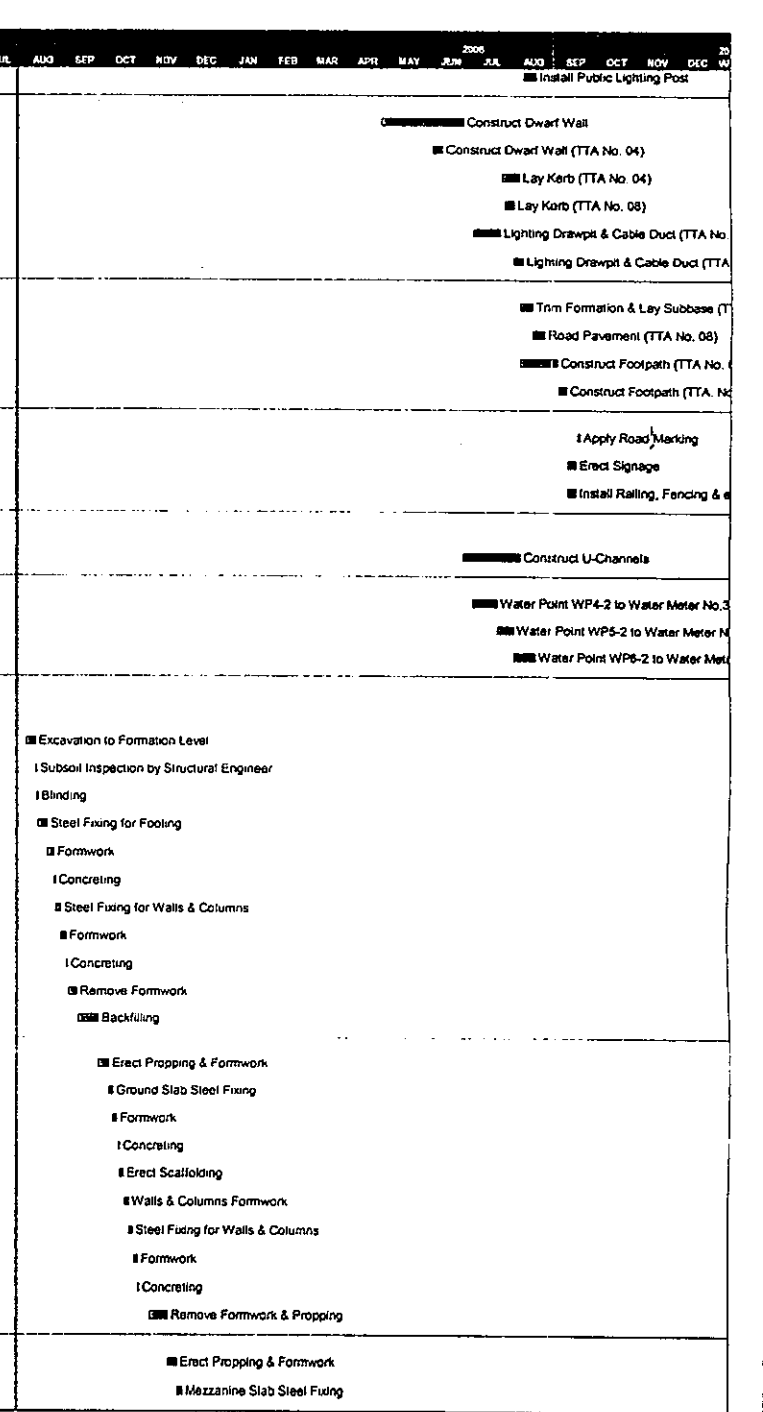
A3LUUT0300	Install Public Lighting Post	8	110d	0	09AUG06	17AUG06	18DEC06	26DEC06
Public Lighting, Duct and Kerb								
A3LUPK0100	Construct Dwarf Wall	50	81d	0	26APR06	24JUN06	02AUG06	28SEP06
A3LUPK0200	Construct Dwarf Wall (TTA No. 04)	6	99d	0	03JUN06	09JUN06	28SEP06	04OCT06
A3LUPK0300	Lay Kerb (TTA No. 04)	12	81d	0	24JUL06	05AUG06	27OCT06	10NOV06
A3LUPK0400	Lay Kerb (TTA No. 08)	6	109d	0	26JUL06	01AUG06	02DEC06	08DEC06
A3LUPK0500	Lighting Drawpit & Cable Duct (TTA No. 04)	16	81d	0	03JUL06	22JUL06	05OCT06	26OCT06
A3LUPK0600	Lighting Drawpit & Cable Duct (TTA No. 08)	6	110d	0	02AUG06	08AUG06	11DEC06	16DEC06
Roads and Paving								
A3LURP0100	Trim Formation & Lay Subbase (TTA No. 08)	8	101d	0	07AUG06	15AUG06	05DEC06	13DEC06
A3LURP0200	Road Pavement (TTA No. 08)	8	101d	0	16AUG06	24AUG06	14DEC06	22DEC06
A3LURP0300	Construct Footpath (TTA No. 04)	24	81d	0	07AUG06	02SEP06	11NOV06	08DEC06
A3LURP0400	Construct Footpath (TTA. No. 08)	6	81d	0	04SEP06	09SEP06	09DEC06	15DEC06
Road Marking, Traffic Sign and Fencing								
A3LURM0100	Apply Road Marking	2	81d	0	18SEP06	19SEP06	23DEC06	25DEC06
A3LURM0200	Erect Signage	6	81d	0	11SEP06	16SEP06	16DEC06	22DEC06
A3LURM0300	Install Railing, Fencing & etc	6	81d	0	11SEP06	16SEP06	16DEC06	22DEC06
Amenity Area								
Drainage Works								
A3AMDW0100	Construct U-Channels	36	119d	0	26JUN06	07AUG06	15NOV06	28DEC06
Utility Works								
A3AMUT0100	Water Point WP4-2 to Water Meter No.3	16	109d	0	04JUL06	21JUL06	10NOV06	28NOV06
A3AMUT0200	Water Point WP5-2 to Water Meter No.5	10	109d	0	22JUL06	02AUG06	29NOV06	09DEC06
A3AMUT0300	Water Point WP6-2 to Water Meter No.6	14	109d	0	03AUG06	18AUG06	11DEC06	26DEC06
Section 4								
Public Toilet No. 2								
Foundation Construction								
A4PTFC0100	Excavation to Formation Level	6	83d	0	04AUG05	10AUG05	12NOV05	18NOV05
A4PTFC0200	Subsoil Inspection by Structural Engineer	1	83d	0	11AUG05	11AUG05	19NOV05	19NOV05
A4PTFC0300	Blinding	1	83d	0	12AUG05	12AUG05	21NOV05	21NOV05
A4PTFC0400	Steel Fixing for Footing	6	83d	0	13AUG05	19AUG05	22NOV05	28NOV05
A4PTFC0500	Formwork	4	83d	0	20AUG05	24AUG05	29NOV05	02DEC05
A4PTFC0600	Concreting	1	83d	0	25AUG05	25AUG05	03DEC05	03DEC05
A4PTFC0700	Steel Fixing for Walls & Columns	3	83d	0	26AUG05	29AUG05	05DEC05	07DEC05
A4PTFC0800	Formwork	4	83d	0	30AUG05	02SEP05	08DEC05	12DEC05
A4PTFC0900	Concreting	1	83d	0	03SEP05	03SEP05	13DEC05	13DEC05
A4PTFC1000	Remove Formwork	6	83d	0	05SEP05	10SEP05	14DEC05	20DEC05
A4PTFC1100	Backfilling	12	83d	0	12SEP05	26SEP05	21DEC05	05JAN06
Ground Floor Slab Construction								
A4PTGF0100	Erect Propping & Formwork	6	83d	0	27SEP05	04OCT05	06JAN06	12JAN06
A4PTGF0200	Ground Slab Steel Fixing	3	83d	0	05OCT05	07OCT05	13JAN06	16JAN06
A4PTGF0300	Formwork	2	83d	0	08OCT05	10OCT05	17JAN06	18JAN06
A4PTGF0400	Concreting	1	83d	0	12OCT05	12OCT05	19JAN06	19JAN06
A4PTGF0500	Erect Scaffolding	3	83d	0	13OCT05	15OCT05	20JAN06	23JAN06
A4PTGF0600	Walls & Columns Formwork	3	83d	0	17OCT05	19OCT05	24JAN06	26JAN06
A4PTGF0700	Steel Fixing for Walls & Columns	3	83d	0	20OCT05	22OCT05	27JAN06	01FEB06
A4PTGF0800	Formwork	3	83d	0	24OCT05	26OCT05	02FEB06	04FEB06
A4PTGF0900	Concreting	1	83d	0	27OCT05	27OCT05	06FEB06	06FEB06
A4PTGF1000	Remove Formwork & Propping	12	83d	0	05NOV05	18NOV05	15FEB06	28FEB06
Mezzanine Floor Slab Construction								
A4PTMF0100	Erect Propping & Formwork	6	83d	0	19NOV05	25NOV05	01MAR06	07MAR06
A4PTMF0200	Mezzanine Slab Steel Fixing	3	83d	0	26NOV05	29NOV05	08MAR06	10MAR06



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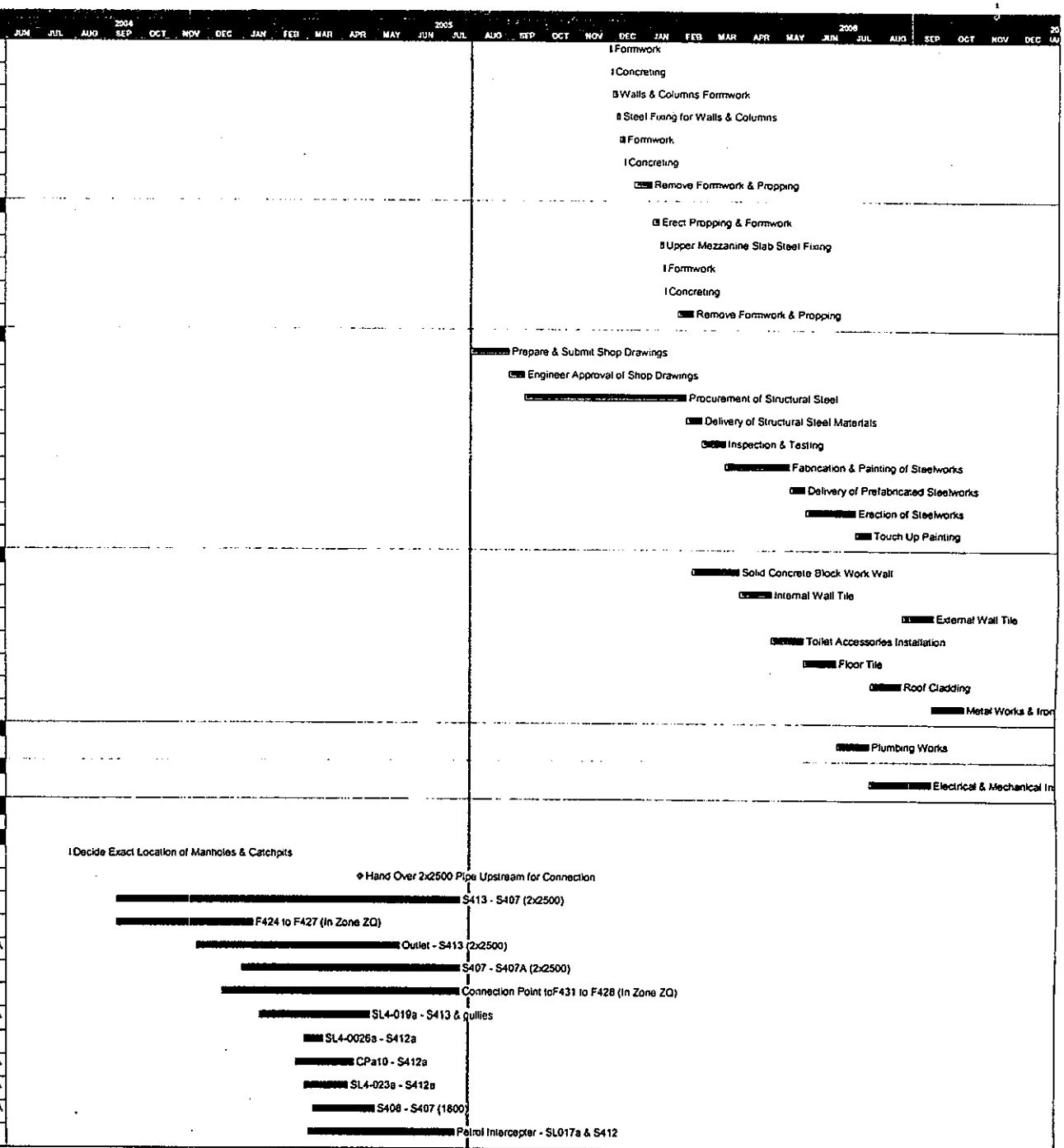
A4PTMF0300	Formwork	2	83d	0	30NOV05	01DEC05	11MAR06	13MAR06
A4PTMF0400	Concreting	1	83d	0	02DEC05	02DEC05	14MAR06	14MAR06
A4PTMF0500	Walls & Columns Formwork	3	83d	0	03DEC05	06DEC05	15MAR06	17MAR06
A4PTMF0600	Steel Fixing for Walls & Columns	3	83d	0	07DEC05	09DEC05	18MAR06	21MAR06
A4PTMF0700	Formwork	3	83d	0	10DEC05	13DEC05	22MAR06	24MAR06
A4PTMF0800	Concreting	1	83d	0	14DEC05	14DEC05	25MAR06	25MAR06
A4PTMF0900	Remove Formwork & Propping	12	83d	0	23DEC05	07JAN06	05APR06	18APR06
Upper Mezzanine Floor Slab Construction								
A4PTUF0100	Erect Propping & Formwork	6	83d	0	09JAN06	14JAN06	19APR06	25APR06
A4PTUF0200	Upper Mezzanine Slab Steel Fixing	3	83d	0	16JAN06	18JAN06	26APR06	28APR06
A4PTUF0300	Formwork	2	83d	0	19JAN06	20JAN06	29APR06	02MAY06
A4PTUF0400	Concreting	1	83d	0	21JAN06	21JAN06	03MAY06	03MAY06
A4PTUF0500	Remove Formwork & Propping	12	83d	0	02FEB06	15FEB06	12MAY06	25MAY06
Structural Steelworks								
A4PTSS0100	Prepare & Submit Shop Drawings	30	58d	0	28JUL05	31AUG05	06OCT05	10NOV05
A4PTSS0200	Engineer Approval of Shop Drawings	12	58d	0	01SEP05	14SEP05	11NOV05	24NOV05
A4PTSS0300	Procurement of Structural Steel	120	58d	0	15SEP05	09FEB06	25NOV05	19APR06
A4PTSS0400	Delivery of Structural Steel Materials	12	58d	0	10FEB06	23FEB06	20APR06	04MAY06
A4PTSS0500	Inspection & Testing	18	58d	0	24FEB06	16MAR06	05MAY06	25MAY06
A4PTSS0600	Fabrication & Painting of Steelworks	48	58d	0	17MAR06	13MAY06	26MAY06	22JUL06
A4PTSS0700	Delivery of Prefabricated Steelworks	12	58d	0	15MAY06	27MAY06	24JUL06	05AUG06
A4PTSS0800	Erection of Steelworks	36	58d	0	29MAY06	11JUL06	07AUG06	16SEP06
A4PTSS0900	Touch Up Painting	12	58d	0	12JUL06	25JUL06	18SEP06	30SEP06
Architectural Builder's Works and Finishes								
A4PTAB0100	Solid Concrete Block Work Wall	36	83d	0	16FEB06	29MAR06	26MAY06	08JUL06
A4PTAB0200	Internal Wall Tile	24	83d	0	30MAR06	27APR06	10JUL06	05AUG06
A4PTAB0300	External Wall Tile	24	58d	0	23AUG06	19SEP06	01NOV06	28NOV06
A4PTAB0400	Toilet Accessories Installation	24	83d	0	28APR06	26MAY06	07AUG06	02SEP06
A4PTAB0500	Floor Tile	24	83d	0	27MAY06	24JUN06	04SEP06	30SEP06
A4PTAB0600	Roof Cladding	24	58d	0	26JUL06	22AUG06	02OCT06	31OCT06
A4PTAB0700	Metal Works & Ironmongery Installation	24	58d	0	20SEP06	18OCT06	29NOV06	26DEC06
Plumbing Works								
A4PTPL0100	Plumbing Works	24	83d	0	26JUN06	24JUL06	02OCT06	31OCT06
E & M Works								
A4PTEM0100	Electrical & Mechanical Installations	48	83d	0	25JUL06	18SEP06	01NOV06	26DEC06
Section 5								
Road L4								
Drainage Works								
A5RLDW0100	Decide Exact Location of Manholes & Catchpits	1		100	29JUL04 A	29JUL04 A	29JUL04 A	29JUL04 A
A5RLDW0150	Hand Over 2x2500 Pipe Upstream for Connection	0		100	20APR05 A		20APR05 A	
A5RLDW1100	S413 - S407 (2x2500)	84		100	10SEP04 A	19JUL05 A	10SEP04 A	19JUL05 A
A5RLDW1200	F424 to F427 (In Zone ZQ)	31		100	10SEP04 A	12JAN05 A	10SEP04 A	12JAN05 A
A5RLDW1300	Outlet - S413 (2x2500)	33		100	22NOV04 A	25MAY05 A	22NOV04 A	25MAY05 A
A5RLDW2100	S407 - S407A (2x2500)	30		100	03JAN05 A	19JUL05 A	03JAN05 A	19JUL05 A
A5RLDW2200	Connection Point toF431 to F428 (In Zone ZQ)	30		100	16DEC04 A	19JUL05 A	16DEC04 A	19JUL05 A
A5RLDW2300	SL4-019a - S413 & gullies	18		100	19JAN05 A	28APR05 A	19JAN05 A	28APR05 A
A5RLDW2400	SL4-0026a - S412a	12		100	01MAR05 A	17MAR05 A	01MAR05	17MAR05
A5RLDW2500	CPa10 - S412a	12		100	21FEB05 A	14APR05 A	21FEB05 A	14APR05 A
A5RLDW2600	SL4-023a - S412a	12		100	01MAR05 A	09APR05 A	01MAR05	09APR05 A
A5RLDW3100	S408 - S407 (1500)	12		100	09MAR05 A	03MAY05 A	09MAR05	03MAY05 A
A5RLDW3200	Petrol Intercepter - SL017a & S412	18		100	05MAR05 A	15JUL05 A	05MAR05	15JUL05 A



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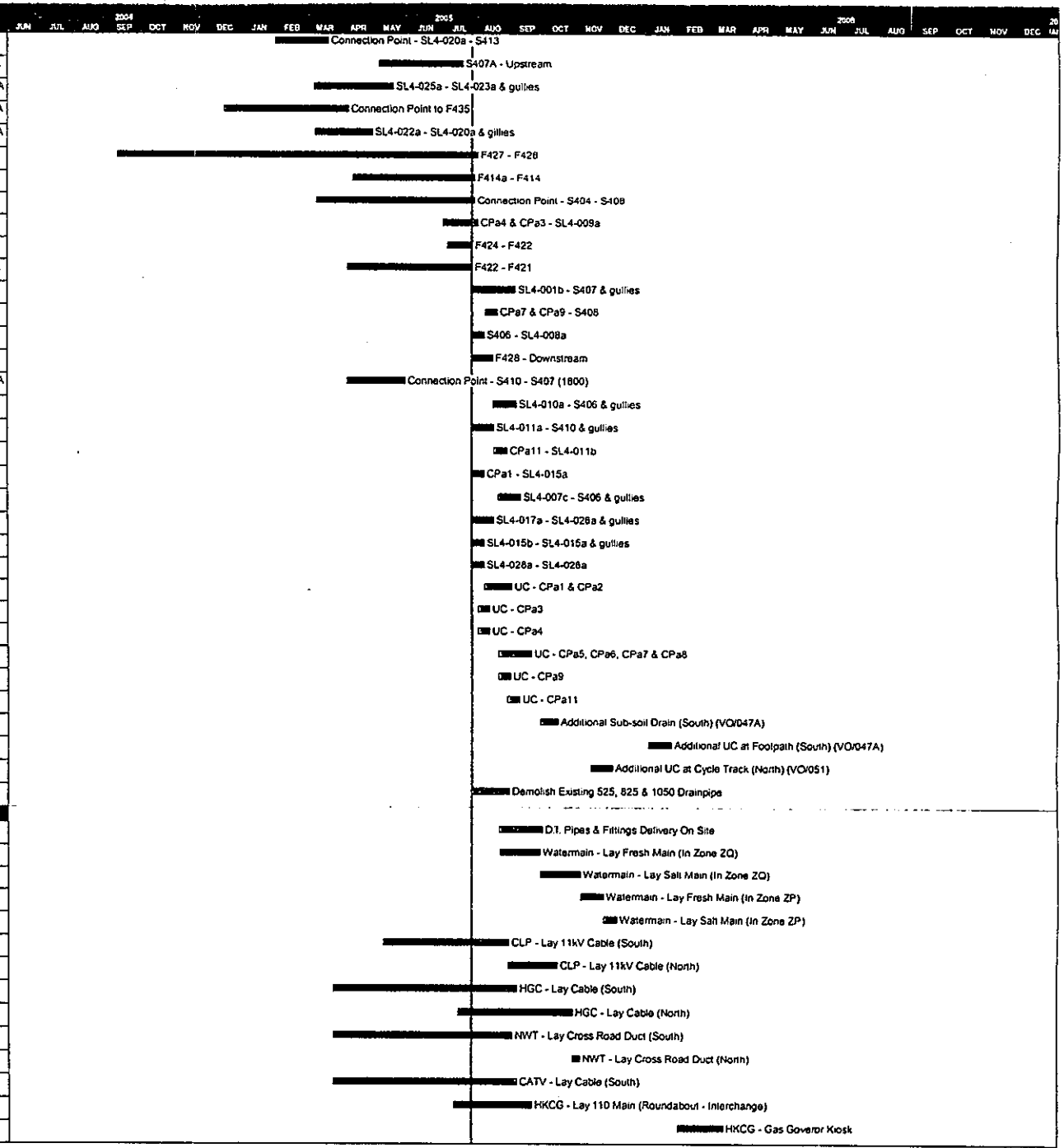
A5RLDW3300	Connection Point - SL4-020a - S413	18		100	31JAN05 A	19MAR05 A	31JAN05 A	19MAR05
A5RLDW3400	S407A - Upstream	20		100	05MAY05 A	19JUL05 A	05MAY05 A	19JUL05 A
A5RLDW3500	SL4-025a - SL4-023a & gullies	18		100	07MAR05 A	17MAY05 A	07MAR05	17MAY05 A
A5RLDW4100	Connection Point to F435	18		100	16DEC04 A	06APR05 A	16DEC04 A	06APR05 A
A5RLDW4200	SL4-022a - SL4-020a & gullies	16		100	08MAR05 A	28APR05 A	08MAR05	28APR05 A
A5RLDW4300	F427 - F428	15	-87d	80	10SEP04 A	02AUG05	10SEP04 A	18APR05
A5RLDW4400	F414a - F414	6	-10d	50	11APR05 A	30JUL05	11APR05 A	19JUL05
A5RLDW4500	Connection Point - S404 - S408	18	-44d	80	09MAR05 A	30JUL05	09MAR05	07JUN05
A5RLDW4600	CPa4 & CPa3 - SL4-009a	10	12d	50	02JUL05 A	02AUG05	02JUL05 A	16AUG05
A5RLDW5100	F424 - F422	12		100	06JUL05 A	28JUL05 A	06JUL05 A	28JUL05 A
A5RLDW5110	F422 - F421	8		100	06APR05 A	28JUL05 A	06APR05 A	28JUL05 A
A5RLDW5200	SL4-001b - S407 & gullies	36	-58d	5	27JUL05 A	05SEP05	27JUL05 A	26JUN05
A5RLDW5300	CPa7 & CPa9 - S408	10	-56d	0	10AUG05	20AUG05	01JUN05	13JUN05
A5RLDW5400	S406 - SL4-008a	10	-47d	0	26JUL05	08AUG05	01JUN05	13JUN05
A5RLDW5500	F428 - Downstream	15	-87d	0	30JUL05	16AUG05	15APR05	03MAY05
A5RLDW5600	Connection Point - S410 - S407 (1800)	18		100	06APR05 A	28MAY05 A	06APR05 A	28MAY05 A
A5RLDW6100	SL4-010a - S406 & gullies	18	-87d	0	17AUG05	06SEP05	04MAY05	25MAY05
A5RLDW6200	SL4-011a - S410 & gullies	18	-18d	0	26JUL05	17AUG05	07JUL05	27JUL05
A5RLDW6300	CPa11 - SL4-011b	10	23d	0	18AUG05	29AUG05	14SEP05	26SEP05
A5RLDW6400	CPa1 - SL4-015a	10	-62d	0	26JUL05	08AUG05	13MAY05	25MAY05
A5RLDW6500	SL4-007c - S406 & gullies	18	-58d	0	22AUG05	10SEP05	14JUN05	05JUL05
A5RLDW6600	SL4-017a - SL4-026a & gullies	18	-37d	0	26JUL05	17AUG05	14JUN05	05JUL05
A5RLDW6700	SL4-015b - SL4-015a & gullies	10	-62d	0	26JUL05	08AUG05	13MAY05	25MAY05
A5RLDW6800	SL4-026a - SL4-026a	10	-62d	0	26JUL05	08AUG05	13MAY05	25MAY05
A5RLDW7100	UC - CPa1 & CPa2	22	15d	0	09AUG05	02SEP05	26AUG05	21SEP05
A5RLDW7200	UC - CPa3	10	12d	0	03AUG05	13AUG05	17AUG05	27AUG05
A5RLDW7300	UC - CPa4	10	12d	0	03AUG05	13AUG05	17AUG05	27AUG05
A5RLDW7400	UC - CPa5, CPa6, CPa7 & CPa8	25	27d	0	22AUG05	20SEP05	23SEP05	24OCT05
A5RLDW7500	UC - CPa9	10	42d	0	22AUG05	01SEP05	13OCT05	24OCT05
A5RLDW7600	UC - CPa11	10	23d	0	30AUG05	09SEP05	27SEP05	08OCT05
A5RLDW7700	Additional Sub-soil Drain (South) (VO/047A)	12	-105d	0	29SEP05	14OCT05	26MAY05	08JUN05
A5RLDW7800	Additional UC at Footpath (South) (VO/047A)	18	-104d	0	05JAN06	25JAN06	31AUG05	21SEP05
A5RLDW7900	Additional UC at Cycle Track (North) (VO/051)	18	-61d	0	14NOV05	03DEC05	31AUG05	21SEP05
A5RLDW8000	Demolish Existing 525, 825 & 1050 Drainpipe	30	43d	0	26JUL05	31AUG05	16SEP05	24OCT05
Utility Works								
A5RLUT0090	D.I. Pipes & Fittings Delivery On Site	33	-140d	0	23AUG05	30SEP05	03MAR05	14APR05
A5RLUT0100	Watermain - Lay Fresh Main (In Zone ZQ)	30	-140d	0	24AUG05	28SEP05	04MAR05	12APR05
A5RLUT0200	Watermain - Lay Salt Main (In Zone ZQ)	30	-140d	0	29SEP05	04NOV05	13APR05	19MAY05
A5RLUT0300	Watermain - Lay Fresh Main (In Zone ZP)	18	-140d	0	05NOV05	25NOV05	20MAY05	09JUN05
A5RLUT0400	Watermain - Lay Salt Main (In Zone ZP)	10	-140d	0	26NOV05	07DEC05	10JUN05	22JUN05
A5RLUT0500	CLP - Lay 11kV Cable (South)	48	-18d	50	09MAY05 A	31AUG05	09MAY05 A	10AUG05
A5RLUT0600	CLP - Lay 11kV Cable (North)	36	-87d	0	31AUG05	14OCT05	19MAY05	30JUN05
A5RLUT0700	HGC - Lay Cable (South)	18	-18d	50	24MAR05 A	07SEP05	24MAR05	17AUG05
A5RLUT0800	HGC - Lay Cable (North)	18	-87d	40	16JUL05 A	28OCT05	16JUL05 A	15JUL05
A5RLUT0810	NWT - Lay Cross Road Duct (South)	12	-15d	50	24MAR05 A	03SEP05	24MAR05	17AUG05
A5RLUT0820	NWT - Lay Cross Road Duct (North)	6	-36d	0	29OCT05	04NOV05	14SEP05	21SEP05
A5RLUT0900	CATV - Lay Cable (South)	18	-18d	50	24MAR05 A	07SEP05	24MAR05	17AUG05
A5RLUT1100	HKCG - Lay 110 Main (Roundabout - Interchange)	18	-87d	40	12JUL05 A	21SEP05	12JUL05 A	08JUN05
A5RLUT1210	HKCG - Gas Governor Kiosk	36	-116d	0	02FEB06	15MAR06	09SEP05	24OCT05



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Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

Leader - Wai Kee (C&T) Joint Venture
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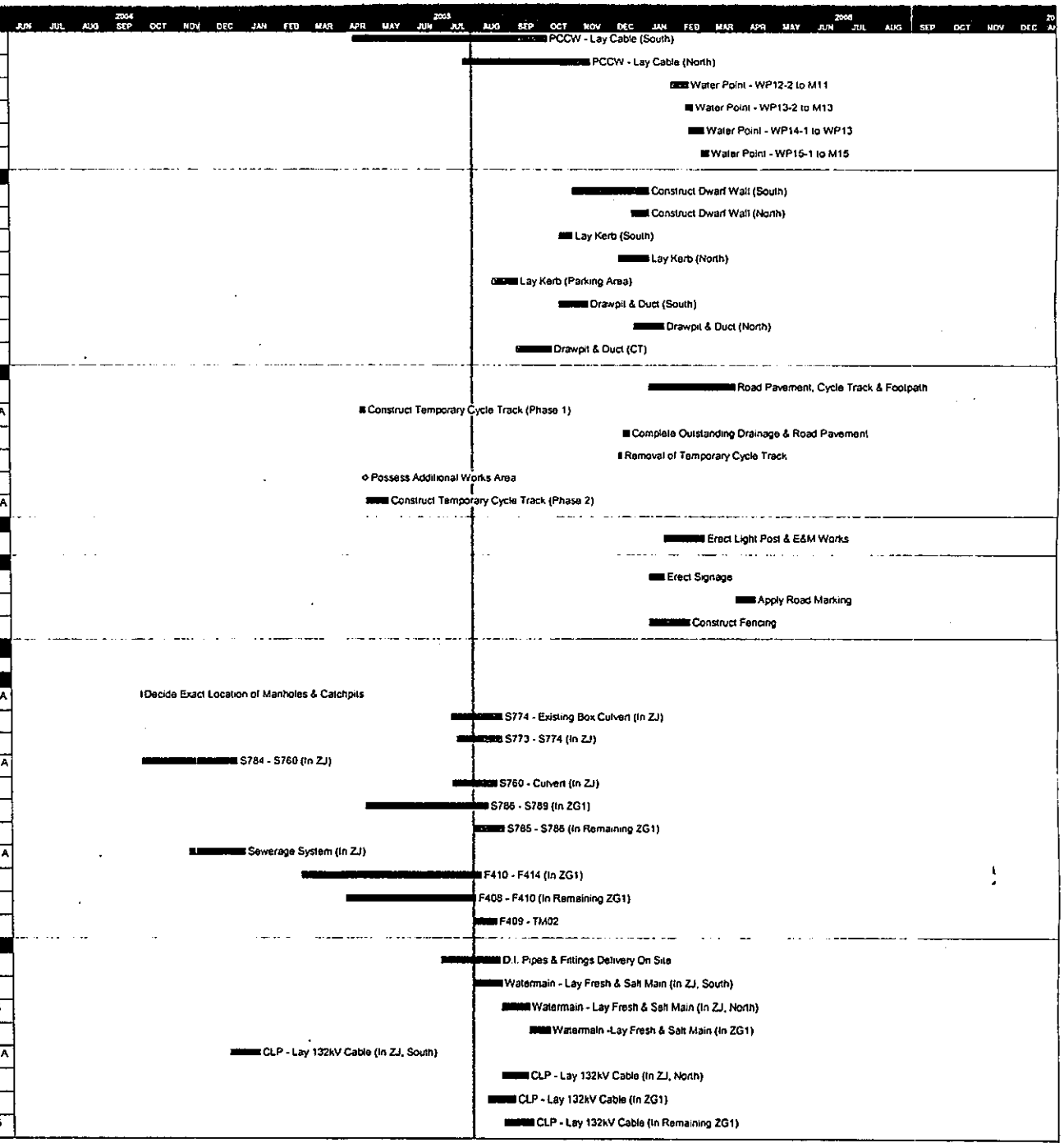
Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A5RLUT1400	PCCW - Lay Cable (South)	42	-18d	50	11APR05 A	04OCT05	11APR05 A	10SEP05
A5RLUT1500	PCCW - Lay Cable (North)	36	-87d	40	20JUL05 A	12NOV05	20JUL05 A	30JUL05
A5RLUT1600	Water Point - WP12-2 to M11	12	-105d	0	26JAN06	10FEB06	21SEP05	05OCT05
A5RLUT1700	Water Point - WP13-2 to M13	6	-105d	0	08FEB06	14FEB06	03OCT05	06OCT05
A5RLUT1800	Water Point - WP14-1 to WP13	12	-105d	0	11FEB06	24FEB06	06OCT05	20OCT05
A5RLUT1900	Water Point - WP15-1 to M15	6	-105d	0	22FEB06	28FEB06	18OCT05	24OCT05
Public Lighting, Duct and Kerb								
A5RLPK0100	Construct Dwarf Wall (South)	58	-105d	0	27OCT05	04JAN06	22JUN05	29AUG05
A5RLPK0200	Construct Dwarf Wall (North)	12	-105d	0	20DEC05	04JAN06	16AUG05	29AUG05
A5RLPK0300	Lay Kerb (South)	10	-105d	0	15OCT05	26OCT05	09JUN05	21JUN05
A5RLPK0400	Lay Kerb (North)	22	-140d	0	08DEC05	04JAN06	23JUN05	19JUL05
A5RLPK0500	Lay Kerb (Parking Area)	20	12d	0	15AUG05	06SEP05	29AUG05	21SEP05
A5RLPK0600	Drawpit & Duct (South)	22	-44d	0	15OCT05	09NOV05	22AUG05	15SEP05
A5RLPK0700	Drawpit & Duct (North)	22	-102d	0	22DEC05	18JAN06	22AUG05	15SEP05
A5RLPK0800	Drawpit & Duct (CT)	26	1d	0	06SEP05	07OCT05	07SEP05	08OCT05
Roads and Paving								
A5RLRP0100	Road Pavement, Cycle Track & Footpath	68	-140d	0	05JAN06	24MAR06	20JUL05	06OCT05
A5RLRP0200	Construct Temporary Cycle Track (Phase 1)	6		100	16APR05 A	20APR05 A	16APR05 A	20APR05 A
A5RLRP0300	Complete Outstanding Drainage & Road Pavement	6	-47d	0	12DEC05	17DEC05	18OCT05	24OCT05
A5RLRP0400	Removal of Temporary Cycle Track	3	-47d	0	08DEC05	10DEC05	14OCT05	17OCT05
A5RLRP0500	Possess Additional Works Area	0		100	21APR05 A		21APR05 A	
A5RLRP0600	Construct Temporary Cycle Track (Phase 2)	10		100	22APR05 A	11MAY05 A	22APR05 A	11MAY05 A
E & M Works								
A5RLEM0100	Erect Light Post & E&M Works	30	-102d	0	19JAN06	24FEB06	18SEP05	24OCT05
Road Marking, Traffic Sign and Fencing								
A5RLRM0100	Erect Signage	12	-72d	0	05JAN06	18JAN06	10OCT05	24OCT05
A5RLRM0200	Apply Road Marking	14	-140d	0	25MAR06	11APR06	07OCT05	24OCT05
A5RLRM0300	Construct Fencing	30	-90d	0	05JAN06	10FEB06	18SEP05	24OCT05
Section 6								
Cycle Track								
Drainage Works								
A6CTDW0100	Decide Exact Location of Manholes & Catchpits	1		100	27SEP04 A	27SEP04 A,	27SEP04 A	27SEP04 A
A6CTDW0200	S774 - Existing Box Culvert (In ZJ)	23	-85d	20	08JUL05 A	22AUG05	08JUL05 A	11MAY05
A6CTDW0210	S773 - S774 (In ZJ)	15	-85d	5	13JUL05 A	22AUG05	13JUL05 A	11MAY05
A6CTDW0300	S784 - S760 (In ZJ)	34		100	28SEP04 A	23DEC04 A	28SEP04 A	23DEC04 A
A6CTDW0310	S760 - Culvert (In ZJ)	18	-81d	20	09JUL05 A	17AUG05	09JUL05 A	11MAY05
A6CTDW0400	S786 - S789 (In ZG1)	25	-78d	80	20APR05 A	09AUG05	20APR05 A	06MAY05
A6CTDW0410	S785 - S786 (In Remaining ZG1)	24	-97d	0	28JUL05	24AUG05	31MAR05	28APR05
A6CTDW0500	Sewerage System (In ZJ)	42		100	10NOV04 A	30DEC04 A	10NOV04 A	30DEC04 A
A6CTDW0600	F410 - F414 (In ZG1)	24	-78d	75	21FEB05 A	03AUG05	21FEB05 A	29APR05
A6CTDW0610	F408 - F410 (In Remaining ZG1)	24	-87d	90	02APR05 A	28JUL05	02APR05 A	14APR05
A6CTDW0700	F409 - TM02	18	-97d	0	28JUL05	17AUG05	31MAR05	21APR05
Utility Works								
A6CTUT0090	D.I. Pipes & Fittings Delivery On Site	33	-97d	34	28JUN05 A	20AUG05	28JUN05 A	25APR05
A6CTUT0100	Watermain - Lay Fresh & Salt Main (In ZJ, South)	22	-97d	0	28JUL05	22AUG05	31MAR05	26APR05
A6CTUT0110	Watermain - Lay Fresh & Salt Main (In ZJ, North)	22	-97d	0	23AUG05	16SEP05	27APR05	24MAY05
A6CTUT0200	Watermain -Lay Fresh & Salt Main (In ZG1)	14	-97d	0	17SEP05	05OCT05	25MAY05	09JUN05
A6CTUT0300	CLP - Lay 132kV Cable (In ZJ, South)	34		100	17DEC04 A	12JAN05 A	17DEC04 A	12JAN05 A
A6CTUT0310	CLP - Lay 132kV Cable (In ZJ, North)	21	-85d	0	23AUG05	15SEP05	12MAY05	06JUN05
A6CTUT0400	CLP - Lay 132kV Cable (In ZG1)	22	-78d	0	10AUG05	03SEP05	07MAY05	02JUN05
A6CTUT0410	CLP - Lay 132kV Cable (In Remaining ZG1)	22	-97d	0	25AUG05	20SEP05	29APR05	26MAY05



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Early bar
Progress bar
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Summary bar
Start milestone point
Finish milestone point

Leader - Wai Kee (C&T) Joint Venture
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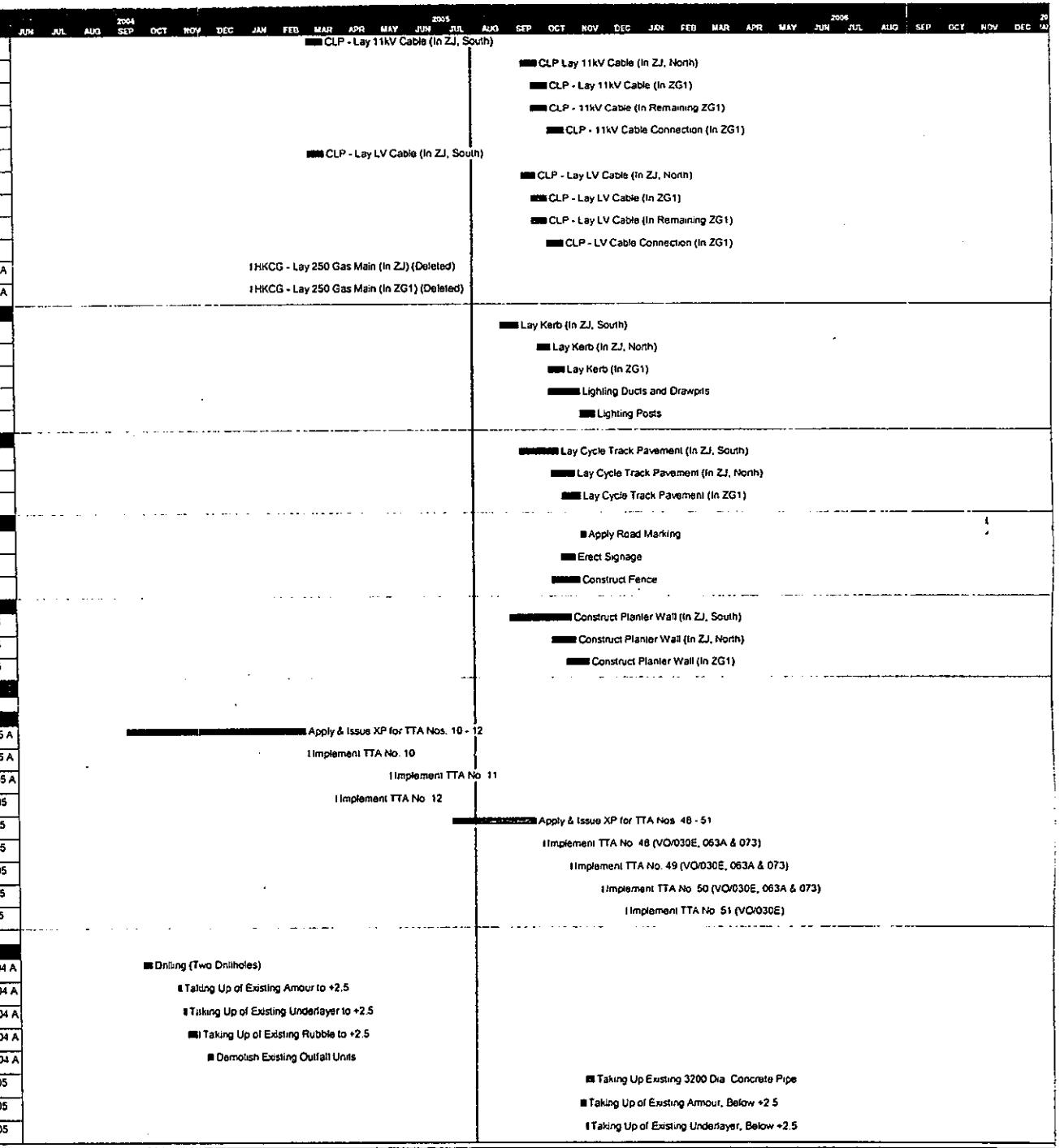
Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A6CTUT0600	CLP - Lay 11kV Cable (In ZJ, South)	17		100	28FEB05 A	14MAR05 A	28FEB05 A	14MAR05
A6CTUT0610	CLP Lay 11kV Cable (In ZJ, North)	12	-85d	0	12SEP05	26SEP05	02JUN05	16JUN05
A6CTUT0700	CLP - Lay 11kV Cable (In ZG1)	12	-97d	0	21SEP05	05OCT05	27MAY05	09JUN05
A6CTUT0710	CLP - 11kV Cable (In Remaining ZG1)	12	-97d	0	21SEP05	05OCT05	27MAY05	09JUN05
A6CTUT0720	CLP - 11kV Cable Connection (In ZG1)	12	-97d	0	06OCT05	20OCT05	10JUN05	24JUN05
A6CTUT0900	CLP - Lay LV Cable (In ZJ, South)	17		100	28FEB05 A	14MAR05 A	28FEB05 A	14MAR05
A6CTUT0910	CLP - Lay LV Cable (In ZJ, North)	11	-85d	0	12SEP05	24SEP05	02JUN05	15JUN05
A6CTUT1000	CLP - Lay LV Cable (In ZG1)	11	-96d	0	21SEP05	04OCT05	28MAY05	09JUN05
A6CTUT1010	CLP - Lay LV Cable (In Remaining ZG1)	11	-96d	0	21SEP05	04OCT05	28MAY05	09JUN05
A6CTUT1020	CLP - LV Cable Connection (In ZG1)	12	-96d	0	05OCT05	19OCT05	10JUN05	24JUN05
A6CTUT1400	HKCG - Lay 250 Gas Main (In ZJ) (Deleted)	35		100	06JAN05 A	06JAN05 A	06JAN05 A	06JAN05 A
A6CTUT1500	HKCG - Lay 250 Gas Main (In ZG1) (Deleted)	14		100	06JAN05 A	06JAN05 A	06JAN05 A	06JAN05 A
Public Lighting, Duct and Kerb								
A6CTPK0100	Lay Kerb (In ZJ, South)	15	-77d	0	23AUG05	08SEP05	23MAY05	08JUN05
A6CTPK0110	Lay Kerb (In ZJ, North)	10	-85d	0	26SEP05	07OCT05	16JUN05	27JUN05
A6CTPK0200	Lay Kerb (In ZG1)	12	-97d	0	06OCT05	20OCT05	10JUN05	24JUN05
A6CTPK0300	Lighting Ducts and Drawpits	24	-97d	0	06OCT05	03NOV05	10JUN05	09JUL05
A6CTPK0400	Lighting Posts	12	-97d	0	04NOV05	17NOV05	11JUL05	23JUL05
Roads and Paving								
A6CTRP0100	Lay Cycle Track Pavement (In ZJ, South)	28	-72d	0	09SEP05	14OCT05	16JUN05	19JUL05
A6CTRP0110	Lay Cycle Track Pavement (In ZJ, North)	18	-85d	0	08OCT05	29OCT05	28JUN05	19JUL05
A6CTRP0200	Lay Cycle Track Pavement (In ZG1)	15	-89d	0	18OCT05	03NOV05	02JUL05	19JUL05
Road Marking, Traffic Sign and Fencing								
A6CTRM0100	Apply Road Marking	4	-89d	0	04NOV05	08NOV05	20JUL05	23JUL05
A6CTRM0200	Erect Signage	12	-81d	0	17OCT05	29OCT05	11JUL05	23JUL05
A6CTRM0300	Construct Fence	21	-84d	0	08OCT05	02NOV05	29JUN05	23JUL05
Landscape Hardworks								
A6CTHL0100	Construct Planter Wall (In ZJ, South)	46	-77d	0	30AUG05	25OCT05	30MAY05	23JUL05
A6CTHL0110	Construct Planter Wall (In ZJ, North)	18	-81d	0	08OCT05	29OCT05	04JUL05	23JUL05
A6CTHL0200	Construct Planter Wall (In ZG1)	18	-91d	0	21OCT05	10NOV05	04JUL05	23JUL05
Section 7								
Temporary Traffic Management Scheme								
TTA Implementation								
A7TTMS0050	Apply & Issue XP for TTA Nos. 10 - 12	1		100	09SEP04 A	21FEB05 A	09SEP04 A	21FEB05 A
A7TTMS0100	Implement TTA No. 10	1		100	24FEB05 A	24FEB05 A	24FEB05 A	24FEB05 A
A7TTMS0200	Implement TTA No. 11	1		100	11MAY05 A	11MAY05 A	11MAY05 A	11MAY05 A
A7TTMS0300	Implement TTA No. 12	1		100	21MAR05 A	21MAR05 A	21MAR05	21MAR05
A7TTMS0400	Apply & Issue XP for TTA Nos. 48 - 51	71	-138d	33	07JUL05 A	21SEP05	07JUL05 A	07APR05
A7TTMS0500	Implement TTA No. 48 (VO/030E, 063A & 073)	1	-138d	0	29SEP05	29SEP05	15APR05	15APR05
A7TTMS0600	Implement TTA No. 49 (VO/030E, 063A & 073)	1	-138d	0	24OCT05	24OCT05	09MAY05	09MAY05
A7TTMS0700	Implement TTA No. 50 (VO/030E, 063A & 073)	1	-138d	0	22NOV05	22NOV05	06JUN05	06JUN05
A7TTMS0800	Implement TTA No. 51 (VO/030E)	1	-138d	0	14DEC05	14DEC05	02JUL05	02JUL05
Landscape Node No. 3								
Landscape Node Structure								
A7LCNS0100	Drilling (Two Drillholes)	16		100	23SEP04 A	30SEP04 A	23SEP04 A	30SEP04 A
A7LCNS0200	Taking Up of Existing Armour to +2.5	3		100	25OCT04 A	27OCT04 A	25OCT04 A	27OCT04 A
A7LCNS0220	Taking Up of Existing Underlayer to +2.5	2		100	30OCT04 A	01NOV04 A	30OCT04 A	01NOV04 A
A7LCNS0240	Taking Up of Existing Rubble to +2.5	14		100	03NOV04 A	13NOV04 A	03NOV04 A	13NOV04 A
A7LCNS0300	Demolish Existing Outfall Units	5		100	21NOV04 A	25NOV04 A	21NOV04 A	25NOV04 A
A7LCNS0400	Taking Up Existing 3200 Dia. Concrete Pipe	8	-158d	0	07NOV05	14NOV05	02JUN05	09JUN05
A7LCNS0420	Taking Up of Existing Armour, Below +2.5	5	-158d	0	02NOV05	06NOV05	28MAY05	01JUN05
A7LCNS0440	Taking Up of Existing Underlayer, Below +2.5	2	-152d	0	07NOV05	08NOV05	06JUN05	09JUN05



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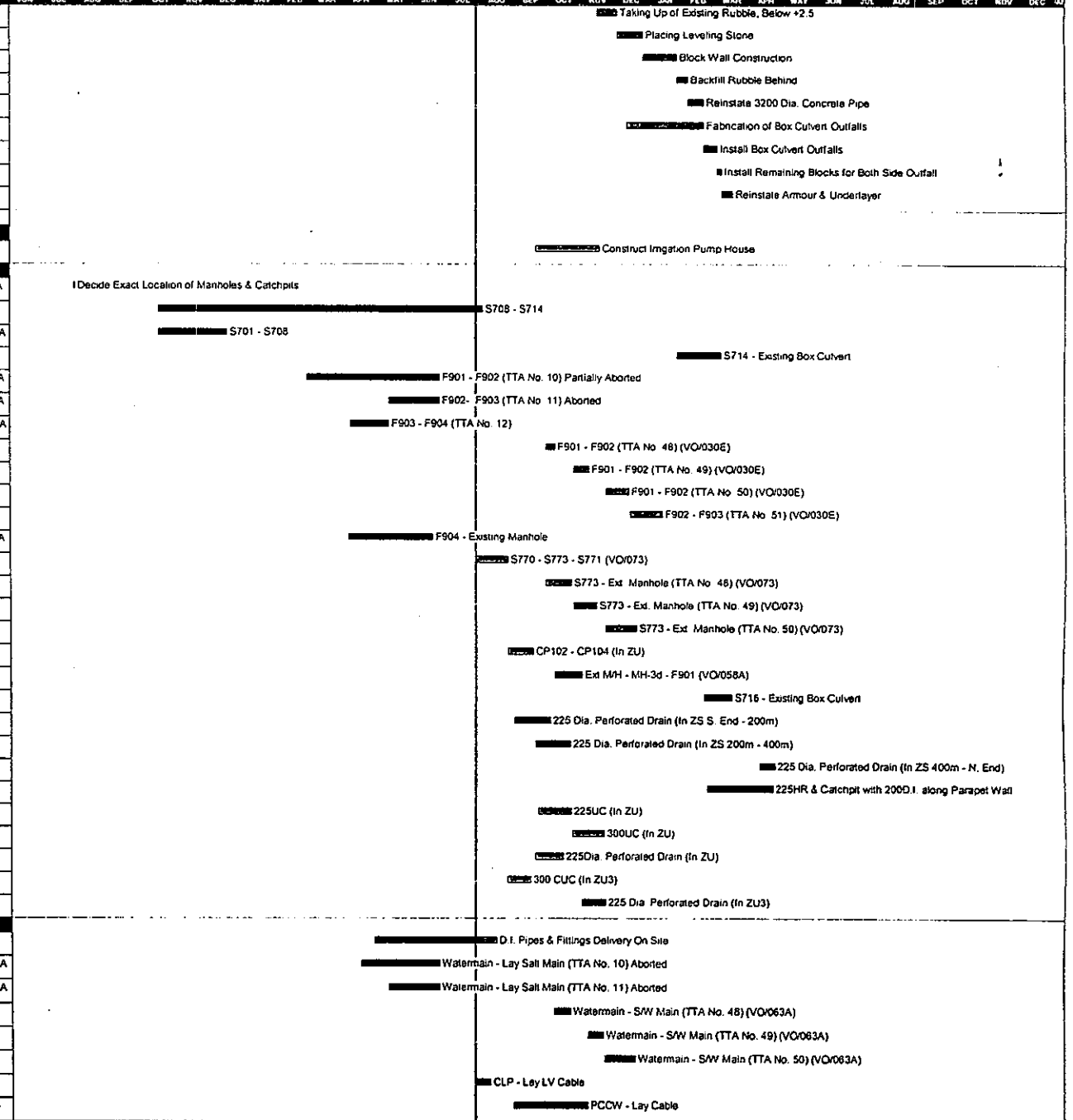
Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A7LCNS0500	Taking Up of Existing Rubble, Below +2.5	18	-158d	0	15NOV05	02DEC05	10JUN05	27JUN05
A7LCNS0530	Placing Leveling Stone	23	-158d	0	03DEC05	25DEC05	28JUN05	20JUL05
A7LCNS0600	Block Wall Construction	31	-158d	0	26DEC05	25JAN06	21JUL05	20AUG05
A7LCNS0700	Backfill Rubble Behind	10	-158d	0	26JAN06	04FEB06	21AUG05	30AUG05
A7LCNS0800	Reinstate 3200 Dia. Concrete Pipe	14	-158d	0	05FEB06	18FEB06	31AUG05	13SEP05
A7LCNS0900	Fabrication of Box Culvert Outfalls	70	-104d	0	11DEC05	16FEB06	29AUG05	06NOV05
A7LCNS1000	Install Box Culvert Outfalls	12	-104d	0	19FEB06	02MAR06	07NOV05	18NOV05
A7LCNS1100	Install Remaining Blocks for Both Side Outfall	4	-104d	0	03MAR06	06MAR06	19NOV05	22NOV05
A7LCNS1200	Reinstate Armour & Underlayer	10	-104d	0	07MAR06	16MAR06	23NOV05	02DEC05
Waterfront Promenade								
Pump House Construction								
A7WPPH0100	Construct Irrigation Pump House	48	39d	0	20SEP05	16NOV05	07NOV05	03JAN06
Drainage Works								
A7WPDW0100	Decide Exact Location of Manholes & Catchpits	1		100	29JUL04 A	29JUL04 A	29JUL04 A	29JUL04 A
A7WPDW0200	S708 - S714	50	-46d	90	13OCT04 A	02AUG05	13OCT04 A	07JUN05
A7WPDW0300	S701 - S708	46		100	13OCT04 A	14DEC04 A	13OCT04 A	14DEC04 A
A7WPDW0400	S714 - Existing Box Culvert	30	-119d	0	27JAN06	06MAR06	05SEP05	12OCT05
A7WPDW0500	F901 - F902 (TTA No. 10) Partially Aborted	16		100	25FEB05 A	24JUN05 A	25FEB05 A	24JUN05 A
A7WPDW0600	F902- F903 (TTA No. 11) Aborted	34		100	10MAY05 A	24JUN05 A	10MAY05 A	24JUN05 A
A7WPDW0700	F903 - F904 (TTA No 12)	16		100	06APR05 A	09MAY05 A	06APR05 A	09MAY05 A
A7WPDW0720	F901 - F902 (TTA No. 48) (VO/030E)	6	-138d	0	30SEP05	07OCT05	16APR05	22APR05
A7WPDW0740	F901 - F902 (TTA No. 49) (VO/030E)	12	-138d	0	25OCT05	07NOV05	10MAY05	24MAY05
A7WPDW0760	F901 - F902 (TTA No. 50) (VO/030E)	18	-138d	0	23NOV05	13DEC05	09JUN05	30JUN05
A7WPDW0780	F902 - F903 (TTA No. 51) (VO/030E)	24	-138d	0	15DEC05	13JAN06	04JUL05	30JUL05
A7WPDW0800	F904 - Existing Manhole	28		100	04APR05 A	18JUN05 A	04APR05 A	18JUN05 A
A7WPDW0900	S770 - S773 - S771 (VO/073)	25	39d	0	28JUL05	25AUG05	12SEP05	13OCT05
A7WPDW0920	S773 - Ext. Manhole (TTA No. 48) (VO/073)	18	-138d	0	30SEP05	22OCT05	16APR05	07MAY05
A7WPDW0940	S773 - Ext. Manhole (TTA No. 49) (VO/073)	18	-132d	0	25OCT05	14NOV05	18MAY05	07JUN05
A7WPDW0960	S773 - Ext. Manhole (TTA No. 50) (VO/073)	24	-119d	0	23NOV05	20DEC05	04JUL05	30JUL05
A7WPDW1000	CP102 - CP104 (In ZU)	20	39d	0	26AUG05	17SEP05	14OCT05	05NOV05
A7WPDW1050	Ext M/H - MH-3d - F901 (VO/058A)	20	-26d	0	08OCT05	01NOV05	06SEP05	29SEP05
A7WPDW1100	S716 - Existing Box Culvert	22	-129d	0	20FEB06	16MAR06	14SEP05	12OCT05
A7WPDW1200	225 Dia. Perforated Drain (In ZS S. End - 200m)	26	-31d	0	01SEP05	03OCT05	27JUL05	25AUG05
A7WPDW1230	225 Dia. Perforated Drain (In ZS 200m - 400m)	26	-46d	0	20SEP05	21OCT05	27JUL05	25AUG05
A7WPDW1260	225 Dia. Perforated Drain (In ZS 400m - N. End)	12	-129d	0	11APR06	24APR06	05NOV05	18NOV05
A7WPDW1300	225HR & Catchpit with 200D.I. along Parapet Wall	50	-85d	0	23FEB06	22APR06	11NOV05	10JAN06
A7WPDW1500	225UC (In ZU)	24	5d	0	23SEP05	22OCT05	29SEP05	28OCT05
A7WPDW1600	300UC (In ZU)	25	5d	0	24OCT05	21NOV05	29OCT05	26NOV05
A7WPDW1700	225Dia. Perforated Drain (In ZU)	21	6d	0	20SEP05	15OCT05	27SEP05	22OCT05
A7WPDW1800	300 CUC (In ZU3)	18	87d	0	26AUG05	15SEP05	09DEC05	31DEC05
A7WPDW1900	225 Dia. Perforated Drain (In ZU3)	18	-26d	0	02NOV05	22NOV05	30SEP05	22OCT05
Utility Works								
A7WPUT0090	D.I. Pipes & Fittings Delivery On Site	30	-13d	45	27APR05 A	15AUG05	27APR05 A	30JUL05
A7WPUT0100	Watermain - Lay Salt Main (TTA No. 10) Aborted	10		100	15APR05 A	24JUN05 A	15APR05 A	24JUN05 A
A7WPUT0200	Watermain - Lay Salt Main (TTA No. 11) Aborted	34		100	10MAY05 A	24JUN05 A	10MAY05 A	24JUN05 A
A7WPUT0300	Watermain - S/W Main (TTA No. 48) (VO/063A)	12	-138d	0	08OCT05	22OCT05	23APR05	07MAY05
A7WPUT0350	Watermain - S/W Main (TTA No. 49) (VO/063A)	12	-138d	0	08NOV05	21NOV05	25MAY05	07JUN05
A7WPUT0400	Watermain - S/W Main (TTA No. 50) (VO/063A)	24	-119d	0	23NOV05	20DEC05	04JUL05	30JUL05
A7WPUT0500	CLP - Lay LV Cable	12	-9d	0	28JUL05	10AUG05	18JUL05	30JUL05
A7WPUT0600	PCCW - Lay Cable	55	-1d	0	01SEP05	07NOV05	31AUG05	05NOV05



Start date	10JUN04
Finish date	06OCT07
Data date	28JUL05
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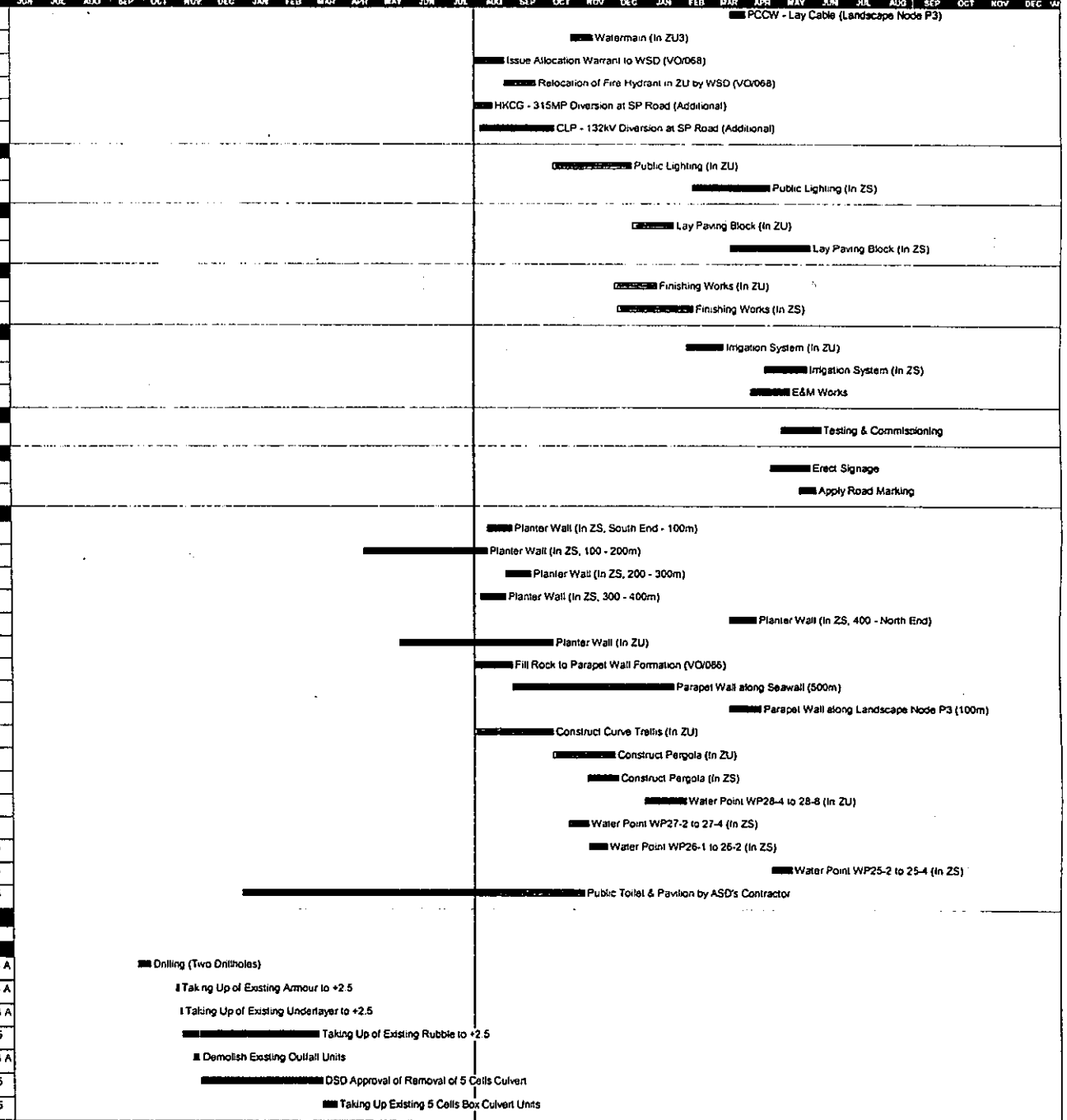
Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

Leader - Wai Kee (C&T) Joint Venture
TP37/03 - Revised Works Programmme - RP03

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A7WPUT0610	PCCW - Lay Cable (Landscape Node P3)	12	-56d	0	17MAR06	30MAR06	09JAN06	21JAN06
A7WPUT0700	Watermain (In ZU3)	18	-87d	0	24OCT05	12NOV05	11JUL05	30JUL05
A7WPUT0800	Issue Allocation Warrant to WSD (VO/068)	24	-26d	0	28JUL05	24AUG05	27JUN05	25JUL05
A7WPUT0900	Relocation of Fire Hydrant in ZU by WSD (VO/068)	24	-26d	0	25AUG05	22SEP05	26JUL05	22AUG05
A7WPUT1000	HKCG - 315MP Diversion at SP Road (Additional)	15	-100d	0	28JUL05 *	13AUG05	24MAR05	14APR05
A7WPUT1100	CLP - 132kV Diversion at SP Road (Additional)	55	-102d	0	03AUG05 *	08OCT05	31MAR05	07JUN05
Public Lighting, Duct and Kerb								
A7WPPK0100	Public Lighting (In ZU)	60	10d	0	08OCT05	17DEC05	21OCT05	31DEC05
A7WPPK0200	Public Lighting (In ZS)	60	-85d	0	11FEB06	22APR06	31OCT05	10JAN06
Roads and Paving								
A7WPRP0100	Lay Paving Block (In ZU)	30	10d	0	19DEC05	24JAN06	02JAN06	07FEB06
A7WPRP0200	Lay Paving Block (In ZS)	60	-85d	0	18MAR06	29MAY06	05DEC05	18FEB06
Finishing Works								
A7WPFW0100	Finishing Works (In ZU)	30	35d	0	03DEC05	09JAN06	16JAN06	21FEB06
A7WPFW0200	Finishing Works (In ZS)	55	8d	0	06DEC05	11FEB06	15DEC05	21FEB06
E & M Works								
A7WPEM0500	Irrigation System (In ZU)	30	-26d	0	06FEB06	11MAR06	04JAN06	09FEB06
A7WPEM0600	Irrigation System (In ZS)	32	-89d	0	19APR06	26MAY06	02JAN06	09FEB06
A7WPEM0700	E&M Works	30	-76d	0	06APR06	11MAY06	04JAN06	09FEB06
Testing and Commissioning								
A7WPTC0100	Testing & Commissioning	30	-89d	0	04MAY06	08JUN06	16JAN06	21FEB06
Road Marking, Traffic Sign and Fencing								
A7WPRM0300	Erect Signage	30	-81d	0	24APR06	29MAY06	16JAN06	21FEB06
A7WPRM0400	Apply Road Marking	12	-85d	0	20MAY06	03JUN06	08FEB06	21FEB06
Landscape Hardworks								
A7WPHL0100	Planter Wall (In ZS, South End - 100m)	20	-31d	0	09AUG05	31AUG05	04JUL05	26JUL05
A7WPHL0200	Planter Wall (In ZS, 100 - 200m)	20	-31d	50	18APR05 A	08AUG05	18APR05 A	02JUL05
A7WPHL0300	Planter Wall (In ZS, 200 - 300m)	20	-46d	0	26AUG05	17SEP05	04JUL05	26JUL05
A7WPHL0400	Planter Wall (In ZS, 300 - 400m)	20	-46d	0	03AUG05	25AUG05	06JUN05	02JUL05
A7WPHL0500	Planter Wall (In ZS, 400 - North End)	20	-129d	0	17MAR06	10APR06	13OCT05	04NOV05
A7WPHL0600	Planter Wall (In ZU)	56	-26d	25	21MAY05 A	07OCT05	21MAY05 A	05SEP05
A7WPHL0650	Fill Rock to Parapet Wall Formation (VO/086)	30	-62d	0	26JUL05	31AUG05	13MAY05	18JUN05
A7WPHL0700	Parapet Wall along Seawall (500m)	120	-62d	0	01SEP05	24JAN06	20JUN05	10NOV05
A7WPHL0750	Parapet Wall along Landscape Node P3 (100m)	24	-85d	0	17MAR06	14APR06	03DEC05	02JAN06
A7WPHL0800	Construct Curve Trellis (In ZU)	60	35d	0	28JUL05	07OCT05	07SEP05	18NOV05
A7WPHL0900	Construct Pergola (In ZU)	47	35d	0	08OCT05	02DEC05	19NOV05	14JAN06
A7WPHL1000	Construct Pergola (In ZS)	24	-1d	0	08NOV05	05DEC05	07NOV05	03DEC05
A7WPHL1100	Water Point WP28-4 to 28-8 (In ZU)	30	-26d	0	30DEC05	04FEB06	28NOV05	03JAN06
A7WPHL1200	Water Point WP27-2 to 27-4 (In ZS)	15	-46d	0	22OCT05	08NOV05	26AUG05	12SEP05
A7WPHL1300	Water Point WP26-1 to 26-2 (In ZS)	15	-21d	0	09NOV05	25NOV05	15OCT05	01NOV05
A7WPHL1400	Water Point WP25-2 to 25-4 (In ZS)	15	-129d	0	25APR06	12MAY06	19NOV05	06DEC05
A7WPHL1600	Public Toilet & Pavilion by ASD's Contractor	297	1d	72	28DEC04 A	04NOV05	28DEC04 A	05NOV05
Section 8								
Landscape Node No. 1								
Landscape Node Structure								
A8LANS0100	Drilling (Two Drillholes)	16		100	23SEP04 A	04OCT04 A	23SEP04 A	04OCT04 A
A8LANS0200	Taking Up of Existing Armour to +2.5	3		100	28OCT04 A	30OCT04 A	28OCT04 A	30OCT04 A
A8LANS0220	Taking Up of Existing Underlayer to +2.5	4		100	01NOV04 A	02NOV04 A	01NOV04 A	02NOV04 A
A8LANS0240	Taking Up of Existing Rubble to +2.5	38		100	03NOV04 A	06MAR05 A	03NOV04 A	06MAR05
A8LANS0300	Demolish Existing Outfall Units	5		100	13NOV04 A	18NOV04 A	13NOV04 A	18NOV04 A
A8LANS0310	DSO Approval of Removal of 5 Cells Culvert	1		100	20NOV04 A	09MAR05 A	20NOV04 A	09MAR05
A8LANS0400	Taking Up Existing 5 Cells Box Culvert Units	12		100	10MAR05 A	22MAR05 A	10MAR05	22MAR05



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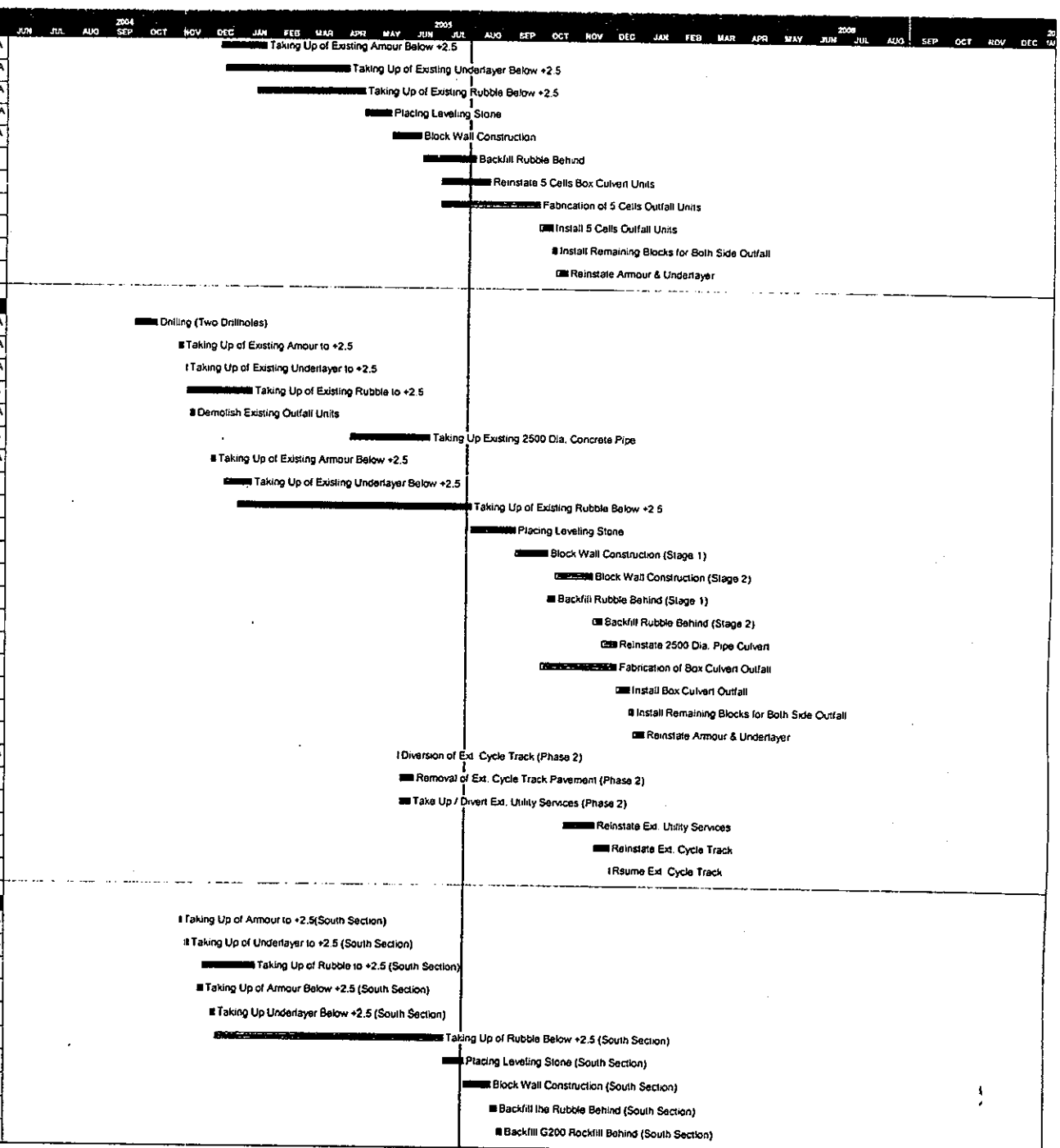
Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

Leader - Wai Kee (C&T) Joint Venture
TP37/03 - Revised Works Programmme - RP03

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A8LANS0420	Taking Up of Existing Armour Below +2.5	6		100	13DEC04 A	22JAN05 A	13DEC04 A	22JAN05 A
A8LANS0440	Taking Up of Existing Underlayer Below +2.5	3		100	17DEC04 A	08APR05 A	17DEC04 A	08APR05 A
A8LANS0500	Taking Up of Existing Rubble Below +2.5	23		100	14JAN05 A	22APR05 A	14JAN05 A	22APR05 A
A8LANS0540	Placing Leveling Stone	25		100	23APR05 A	16MAY05 A	23APR05 A	16MAY05 A
A8LANS0600	Block Wall Construction	51		100	18MAY05 A	12JUN05 A	18MAY05 A	12JUN05 A
A8LANS0700	Backfill Rubble Behind	14	-104d	59	15JUN05 A	01AUG05	15JUN05 A	19APR05
A8LANS0800	Reinstate 5 Cells Box Culvert Units	18	-104d	27	02JUL05 A	14AUG05	02JUL05 A	02MAY05
A8LANS0900	Fabrication of 5 Cells Outfall Units	70	64d	10	02JUL05 A	28SEP05	02JUL05 A	01DEC05
A8LANS1000	Install 5 Cells Outfall Units	12	64d	0	29SEP05	10OCT05	02DEC05	13DEC05
A8LANS1100	Install Remaining Blocks for Both Side Outfall	4	78d	0	11OCT05	14OCT05	28DEC05	31DEC05
A8LANS1200	Reinstate Armour & Underlayer	10	78d	0	15OCT05	24OCT05	01JAN06	10JAN06
Landscape Node No. 2								
Landscape Node Structure								
A8LBNS0100	Drilling (Two Drillholes)	16		100	27SEP04 A	16OCT04 A	27SEP04 A	16OCT04 A
A8LBNS0200	Taking Up of Existing Armour to +2.5	3		100	06NOV04 A	09NOV04 A	06NOV04 A	09NOV04 A
A8LBNS0210	Taking Up of Existing Underlayer to +2.5	2		100	12NOV04 A	13NOV04 A	12NOV04 A	13NOV04 A
A8LBNS0220	Taking Up of Existing Rubble to +2.5	20		100	14NOV04 A	11JAN05 A	14NOV04 A	11JAN05 A
A8LBNS0300	Demolish Existing Outfall Units	5		100	17NOV04 A	20NOV04 A	17NOV04 A	20NOV04 A
A8LBNS0400	Taking Up Existing 2500 Dia. Concrete Pipe	10		100	12APR05 A	23JUN05 A	12APR05 A	23JUN05 A
A8LBNS0410	Taking Up of Existing Armour Below +2.5	4		100	06DEC04 A	09DEC04 A	06DEC04 A	09DEC04 A
A8LBNS0420	Taking Up of Existing Underlayer Below +2.5	3		100	18DEC04 A	11JAN05 A	18DEC04 A	11JAN05 A
A8LBNS0430	Taking Up of Existing Rubble Below +2.5	20	-88d	77	30DEC04 A	31JUL05	30DEC04 A	04MAY05
A8LBNS0530	Placing Leveling Stone	40	-59d	0	01AUG05	09SEP05	03JUN05	12JUL05
A8LBNS0600	Block Wall Construction (Stage 1)	30	-59d	0	10SEP05	09OCT05	13JUL05	11AUG05
A8LBNS0610	Block Wall Construction (Stage 2)	30	27d	0	17OCT05	19NOV05	17NOV05	21DEC05
A8LBNS0700	Backfill Rubble Behind (Stage 1)	7	-59d	0	10OCT05	16OCT05	12AUG05	18AUG05
A8LBNS0710	Backfill Rubble Behind (Stage 2)	7	27d	0	21NOV05	28NOV05	22DEC05	31DEC05
A8LBNS0800	Reinstate 2500 Dia. Pipe Culvert	14	34d	0	29NOV05	12DEC05	02JAN06	15JAN06
A8LBNS0900	Fabrication of Box Culvert Outfall	70	34d	0	04OCT05	12DEC05	07NOV05	15JAN06
A8LBNS1000	Install Box Culvert Outfall	12	34d	0	13DEC05	24DEC05	16JAN06	27JAN06
A8LBNS1100	Install Remaining Blocks for Both Side Outfall	4	36d	0	25DEC05	28DEC05	30JAN06	02FEB06
A8LBNS1200	Reinstate Armour & Underlayer	10	36d	0	29DEC05	07JAN06	03FEB06	12FEB06
A8LBNS1210	Diversion of Ext. Cycle Track (Phase 2)	1		100	26MAY05 A	26MAY05 A	26MAY05 A	26MAY05 A
A8LBNS1300	Removal of Ext. Cycle Track Pavement (Phase 2)	4		100	30MAY05 A	11JUN05 A	30MAY05 A	11JUN05 A
A8LBNS1400	Take Up / Divert Ext. Utility Services (Phase 2)	12		100	30MAY05 A	08JUN05 A	30MAY05 A	08JUN05 A
A8LBNS1500	Reinstate Ext. Utility Services	24	-47d	0	27OCT05	23NOV05	30AUG05	27SEP05
A8LBNS1600	Reinstate Ext. Cycle Track	12	-47d	0	24NOV05	07DEC05	26SEP05	13OCT05
A8LBNS1700	Rsume Ext. Cycle Track	1	-47d	0	08DEC05	08DEC05	14OCT05	14OCT05
Seawall Adjacent to Landing Step								
Marine Works								
A8ALMA0100	Taking Up of Armour to +2.5(South Section)	2		100	10NOV04 A	11NOV04 A	10NOV04 A	11NOV04 A
A8ALMA0110	Taking Up of Underlayer to +2.5 (South Section)	2		100	15NOV04 A	18NOV04 A	15NOV04 A	18NOV04 A
A8ALMA0200	Taking Up of Rubble to +2.5 (South Section)	8		100	01DEC04 A	17JAN05 A	01DEC04 A	17JAN05 A
A8ALMA0210	Taking Up of Armour Below +2.5 (South Section)	3		100	27NOV04 A	01DEC04 A	27NOV04 A	01DEC04 A
A8ALMA0220	Taking Up Underlayer Below +2.5 (South Section)	3		100	09DEC04 A	12DEC04 A	09DEC04 A	12DEC04 A
A8ALMA0230	Taking Up of Rubble Below +2.5 (South Section)	12		100	13DEC04 A	11JUL05 A	13DEC04 A	11JUL05 A
A8ALMA0240	Placing Leveling Stone (South Section)	10		100	12JUL05 A	30JUL05 A	12JUL05 A	30JUL05 A
A8ALMA0400	Block Wall Construction (South Section)	25	-17d	0	31JUL05	24AUG05	14JUL05	07AUG05
A8ALMA0500	Backfill the Rubble Behind (South Section)	6	-17d	0	25AUG05	30AUG05	08AUG05	13AUG05
A8ALMA0600	Backfill G200 Rockfill Behind (South Section)	5	-17d	0	31AUG05	04SEP05	14AUG05	18AUG05



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Early bar
Progress bar
Critical bar
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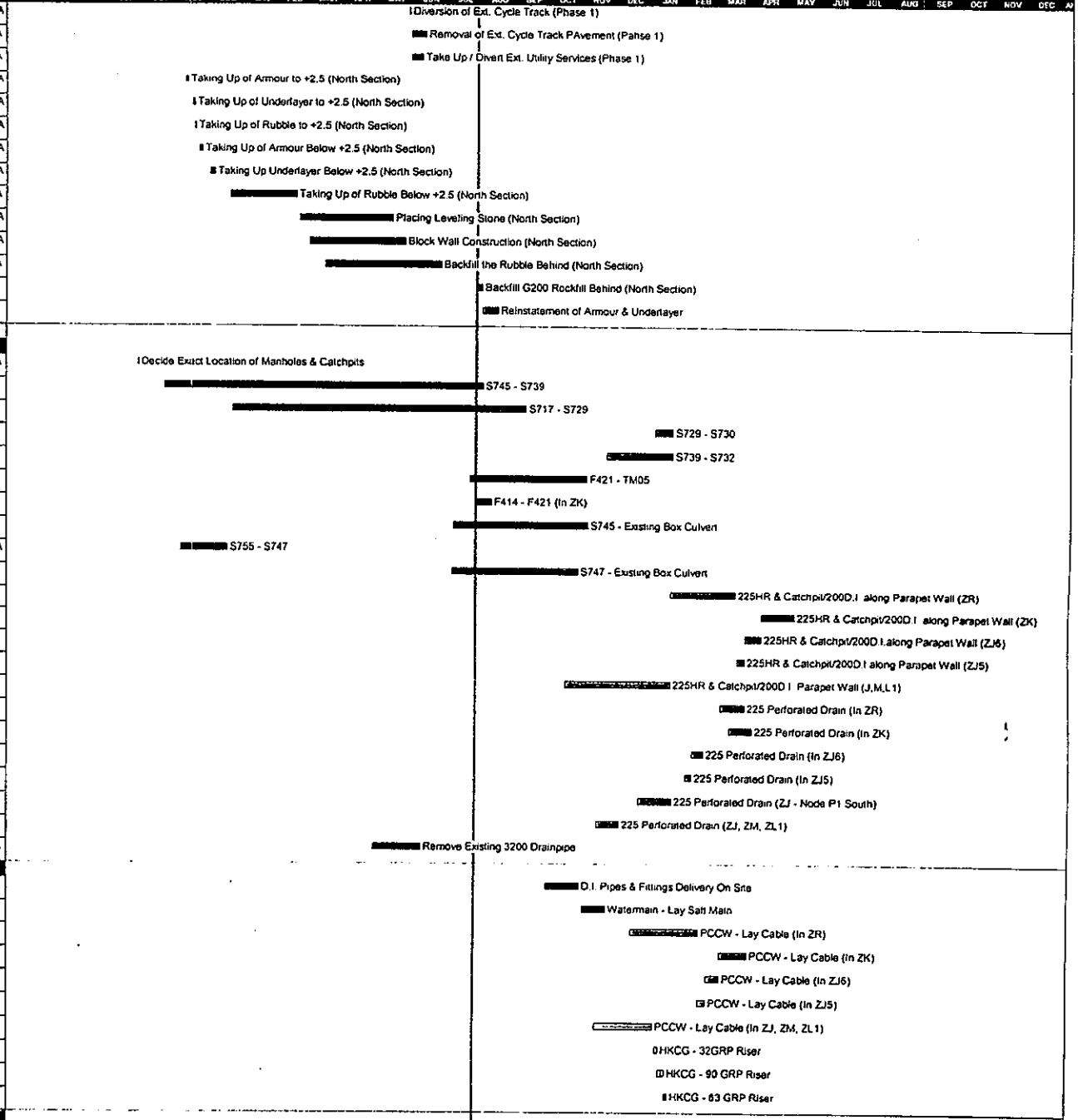
Start milestone point
Finish milestone point

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A8ALMA0610	Diversion of Ext. Cycle Track (Phase 1)	1		100	28MAY05 A	28MAY05 A	28MAY05 A	28MAY05 A
A8ALMA0620	Removal of Ext. Cycle Track PAvement (Pahse 1)	2		100	30MAY05 A	11JUN05 A	30MAY05 A	11JUN05 A
A8ALMA0630	Take Up / Divert Ext. Utility Services (Phase 1)	18		100	30MAY05 A	08JUN05 A	30MAY05 A	08JUN05 A
A8ALMA0700	Taking Up of Armour to +2.5 (North Section)	2		100	09NOV04 A	10NOV04 A	09NOV04 A	10NOV04 A
A8ALMA0710	Taking Up of Underlayer to +2.5 (North Section)	2		100	15NOV04 A	16NOV04 A	15NOV04 A	16NOV04 A
A8ALMA0800	Taking Up of Rubble to +2.5 (North Section)	8		100	17NOV04 A	17NOV04 A	17NOV04 A	17NOV04 A
A8ALMA0820	Taking Up of Armour Below +2.5 (North Section)	3		100	21NOV04 A	23NOV04 A	21NOV04 A	23NOV04 A
A8ALMA0830	Taking Up Underlayer Below +2.5 (North Section)	2		100	01DEC04 A	04DEC04 A	01DEC04 A	04DEC04 A
A8ALMA0840	Taking Up of Rubble Below +2.5 (North Section)	30		100	19DEC04 A	16FEB05 A	19DEC04 A	16FEB05 A
A8ALMA0910	Placing Leveling Stone (North Section)	10		100	20FEB05 A	13MAY05 A	20FEB05 A	13MAY05 A
A8ALMA1000	Block Wall Construction (North Section)	25		100	01MAR05 A	24MAY05 A	01MAR05	24MAY05 A
A8ALMA1100	Backfill the Rubble Behind (North Section)	8		100	15MAR05 A	25JUN05 A	15MAR05	25JUN05 A
A8ALMA1200	Backfill G200 Rockfil Behind (North Section)	5	-31d	0	28JUL05	01AUG05	27JUN05	01JUL05
A8ALMA1300	Reinstatement of Armour & Underlayer	14	181d	0	02AUG05	15AUG05	30JAN06	12FEB06
Waterfront Promenade								
Drainage Works								
A8WPDW0100	Decide Exact Location of Manholes & Catchpits	1		100	27SEP04 A	27SEP04 A	27SEP04 A	27SEP04 A
A8WPDW0200	S745 - S739	55	49d	90	21OCT04 A	02AUG05	21OCT04 A	29SEP05
A8WPDW0300	S717 - S729	78	126d	50	22DEC04 A	10SEP05	22DEC04 A	13FEB06
A8WPDW0400	S729 - S730	14	28d	0	06JAN06	21JAN06	10FEB06	25FEB06
A8WPDW0500	S739 - S732	50	27d	0	23NOV05	21JAN06	24DEC05	24FEB06
A8WPDW0550	F421 - TM05	18	-47d	5	23JUL05 A	04NOV05	23JUL05 A	07SEP05
A8WPDW0560	F414 - F421 (In ZK)	12	16d	0	26JUL05	10AUG05	16AUG05	29AUG05
A8WPDW0600	S745 - Existing Box Culvert	27	54d	20	08JUL05 A	05NOV05	08JUL05 A	10JAN06
A8WPDW0700	S755 - S747	73		100	05NOV04 A	16DEC04 A	05NOV04 A	16DEC04 A
A8WPDW0710	S747 - Existing Box Culvert	18	62d	20	07JUL05 A	27OCT05	07JUL05 A	10JAN06
A8WPDW0800	225HR & Catchpit/200D.I. along Parapet Wall (ZR)	48	66d	0	20JAN06	18MAR06	11APR06	07JUN06
A8WPDW0900	225HR & Catchpit/200D.I. along Parapet Wall (ZK)	24	65d	0	12APR06	10MAY06	28JUN06	27JUL06
A8WPDW1000	225HR & Catchpit/200D.I.along Parapet Wall (ZJ6)	12	65d	0	28MAR06	11APR06	15JUN06	28JUN06
A8WPDW1100	225HR & Catchpit/200D.I.along Parapet Wall (ZJ5)	6	65d	0	21MAR06	27MAR06	08JUN06	14JUN06
A8WPDW1200	225HR & Catchpit/200D.I. Parapet Wall (J,M,L1)	80	66d	0	17OCT05	19JAN06	04JAN06	10APR06
A8WPDW1900	225 Perforated Drain (In ZR)	19	21d	0	06MAR06	27MAR06	30MAR06	21APR06
A8WPDW2000	225 Perforated Drain (In ZK)	18	28d	0	14MAR06	03APR06	17APR06	08MAY06
A8WPDW2100	225 Perforated Drain (In ZJ6)	9	37d	0	09FEB06	18FEB06	24MAR06	03APR06
A8WPDW2200	225 Perforated Drain (In ZJ5)	5	48d	0	03FEB06	08FEB06	29MAR06	03APR06
A8WPDW2300	225 Perforated Drain (ZJ - Node P1 South)	24	54d	0	23DEC05	21JAN06	01MAR06	28MAR06
A8WPDW2350	225 Perforated Drain (ZJ, ZM, ZL1)	18	49d	0	15NOV05	05DEC05	13JAN06	04FEB06
A8WPDW2400	Remove Existing 3200 Drainpipe	30		100	28APR05 A	09JUN05 A	28APR05 A	09JUN05 A
Utility Works								
A8WPUT0090	D.I. Pipes & Fittings Delivery On Site	30	-26d	0	01OCT05	30OCT05	05SEP05	04OCT05
A8WPUT0100	Watermain - Lay Salt Main	18	-47d	0	03NOV05	23NOV05	06SEP05	27SEP05
A8WPUT0700	PCCW - Lay Cable (In ZR)	48	16d	0	17DEC05	15FEB06	07JAN06	06MAR06
A8WPUT0800	PCCW - Lay Cable (In ZK)	22	16d	0	07MAR06	31MAR06	25MAR06	20APR06
A8WPUT0900	PCCW - Lay Cable (In ZJ6)	10	16d	0	23FEB06	06MAR06	14MAR06	24MAR06
A8WPUT1000	PCCW - Lay Cable (In ZJ5)	8	16d	0	16FEB06	22FEB06	07MAR06	13MAR06
A8WPUT1100	PCCW - Lay Cable (In ZJ, ZM, ZL1)	44	65d	0	15NOV05	06JAN06	03FEB06	25MAR06
A8WPUT1200	HKCG - 32GRP Riser	3	28d	0	09JAN06	11JAN06	13FEB06	15FEB06
A8WPUT1300	HKCG - 90 GRP Riser	5	28d	0	12JAN06	17JAN06	16FEB06	21FEB06
A8WPUT1400	HKCG - 63 GRP Riser	3	28d	0	18JAN06	20JAN06	22FEB06	24FEB06
Public Lighting, Duct and Kerb								



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Early bar
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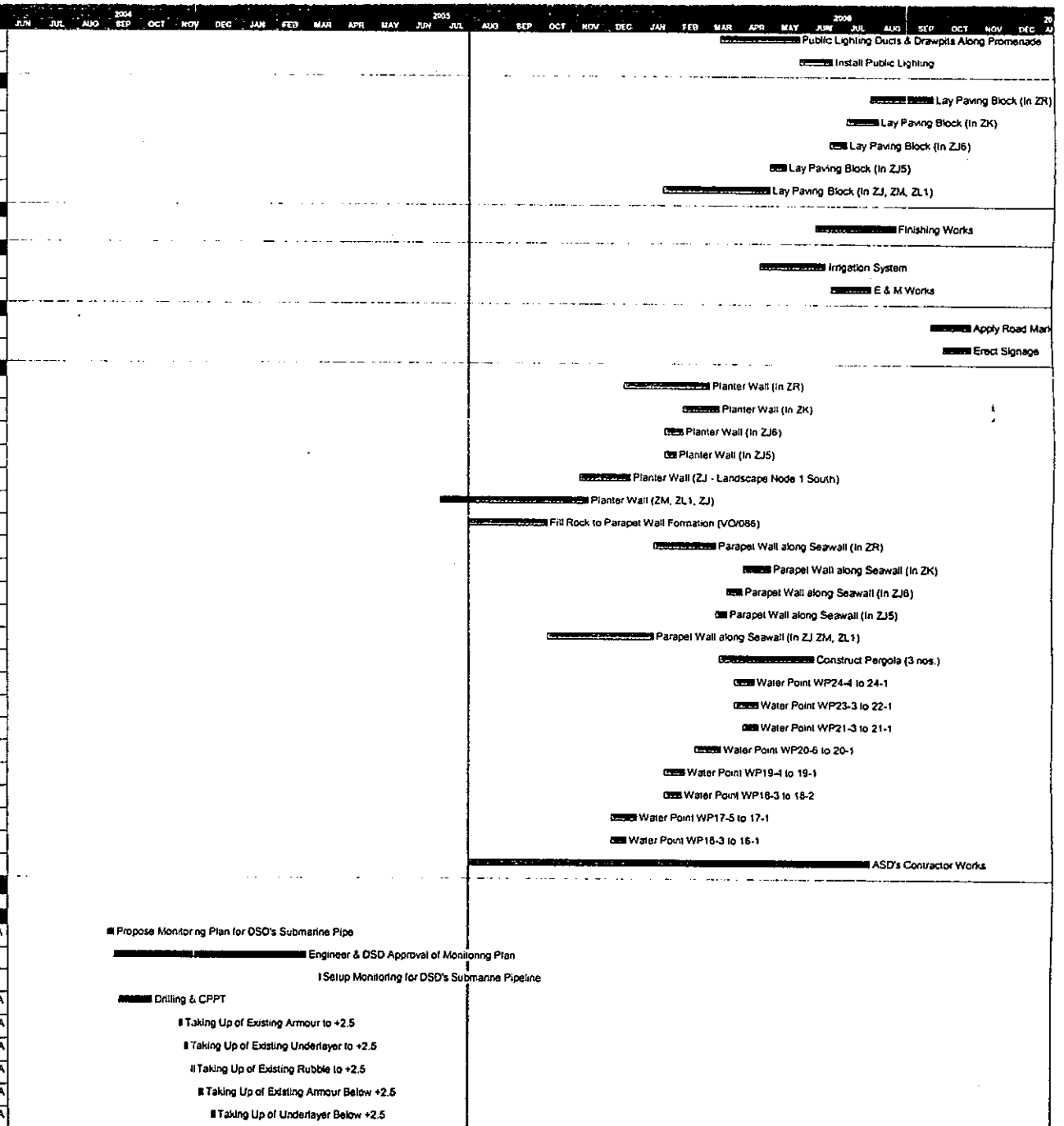
Leader - Wal Kee (C&T) Joint Venture
TP37/03 - Revised Works Programmme - RP03

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A8WPPK0300	Public Lighting Ducts & Drawpits Along Promenade	60	86d	0	14MAR06	24MAY06	26JUN06	04SEP06
A8WPPK0400	Install Public Lighting	24	86d	0	25MAY06	22JUN06	05SEP06	02OCT06
Roads and Paving								
A8WPRP0100	Lay Paving Block (In ZR)	49	9d	0	27JUL06	21SEP06	07AUG06	02OCT06
A8WPRP0200	Lay Paving Block (In ZK)	24	9d	0	06JUL06	02AUG06	17JUL06	12AUG06
A8WPRP0300	Lay Paving Block (In ZJ6)	12	9d	0	21JUN06	05JUL06	03JUL06	15JUL06
A8WPRP0400	Lay Paving Block (In ZJ5)	12	41d	0	28APR06	12MAY06	17JUN06	30JUN06
A8WPRP0500	Lay Paving Block (In ZJ, ZM, ZL1)	80	41d	0	21JAN06	27APR06	13MAR06	16JUN06
Finishing Works								
A8WPFW0100	Finishing Works	60	68d	0	09JUN06	18AUG06	29AUG06	08NOV06
E & M Works								
A8WPEM0900	Irrigation System	50	120d	0	19APR06	17JUN06	09SEP06	08NOV06
A8WPEM1000	E & M Works	30	86d	0	23JUN06	28JUL06	03OCT06	08NOV06
Road Marking , Traffic Sign and Fencing								
A8WPRM0100	Apply Road Marking	30	9d	0	22SEP06	27OCT06	03OCT06	08NOV06
A8WPRM0200	Erect Signage	21	9d	0	03OCT06	27OCT06	14OCT06	08NOV06
Landscape Hardworks								
A8WPHL0100	Planter Wall (In ZR)	63	16d	0	17DEC05	04MAR06	07JAN06	23MAR06
A8WPHL0200	Planter Wall (In ZK)	28	28d	0	09FEB06	13MAR06	14MAR06	15APR06
A8WPHL0300	Planter Wall (In ZJ6)	13	28d	0	23JAN06	08FEB06	27FEB06	13MAR06
A8WPHL0400	Planter Wall (In ZJ5)	8	27d	0	23JAN06	02FEB06	25FEB06	06MAR06
A8WPHL0500	Planter Wall (ZJ - Landscape Node 1 South)	40	54d	0	07NOV05	22DEC05	11JAN06	28FEB06
A8WPHL0600	Planter Wall (ZM, ZL1, ZJ)	90	49d	5	02JUL05 A	14NOV05	02JUL05 A	12JAN06
A8WPHL0650	Fill Rock to Parapet Wall Formation (VO/086)	60	65d	0	28JUL05	07OCT05	15OCT05	23DEC05
A8WPHL0700	Parapet Wall along Seawall (In ZR)	47	65d	0	13JAN06	10MAR06	01APR06	27MAY06
A8WPHL0800	Parapet Wall along Seawall (In ZK)	22	65d	0	05APR06	29APR06	22JUN06	18JUL06
A8WPHL0900	Parapet Wall along Seawall (In ZJ6)	12	65d	0	21MAR06	03APR06	08JUN06	21JUN06
A8WPHL1000	Parapet Wall along Seawall (In ZJ5)	8	65d	0	11MAR06	20MAR06	29MAY06	07JUN06
A8WPHL1100	Parapet Wall along Seawall (In ZJ ZM, ZL1)	80	65d	0	08OCT05	12JAN06	24DEC05	31MAR06
A8WPHL1200	Construct Pergola (3 nos.)	72	68d	0	14MAR06	08JUN06	05JUN06	28AUG06
A8WPHL1300	Water Point WP24-4 to 24-1	15	24d	0	28MAR06	14APR06	26APR06	13MAY06
A8WPHL1400	Water Point WP23-3 to 22-1	16	21d	0	28MAR06	18APR06	22APR06	13MAY06
A8WPHL1500	Water Point WP21-3 to 21-1	12	28d	0	05APR06	18APR06	09MAY06	22MAY06
A8WPHL1600	Water Point WP20-6 to 20-1	21	37d	0	20FEB06	15MAR06	05APR06	28APR06
A8WPHL1700	Water Point WP19-4 to 19-1	15	54d	0	23JAN06	10FEB06	29MAR06	15APR06
A8WPHL1800	Water Point WP18-3 to 18-2	12	57d	0	23JAN06	07FEB06	01APR06	15APR06
A8WPHL1900	Water Point WP17-5 to 17-1	18	49d	0	06DEC05	28DEC05	06FEB06	25FEB06
A8WPHL2000	Water Point WP16-3 to 16-1	12	55d	0	06DEC05	19DEC05	13FEB06	25FEB06
A8WPHL2200	ASD's Contractor Works	303	-5d	0	28JUL05	28JUL06	22JUL05	22JUL06
Section 9								
Public Landing Step								
Marine Works								
A9LSMA0100	Propose Monitoring Plan for DSD's Submarine Pipe	30		100	01SEP04 A	06SEP04 A	01SEP04 A	06SEP04 A
A9LSMA0200	Engineer & DSD Approval of Monitoring Plan	36		100	07SEP04 A	01MAR05 A	07SEP04 A	01MAR05
A9LSMA0300	Setup Monitoring for DSD's Submarine Pipeline	30		100	14MAR05 A	14MAR05 A	14MAR05	14MAR05
A9LSMA0400	Drilling & CPPT	30		100	11SEP04 A	11OCT04 A	11SEP04 A	11OCT04 A
A9LSMA0500	Taking Up of Existing Armour to +2.5	2		100	06NOV04 A	08NOV04 A	06NOV04 A	08NOV04 A
A9LSMA0510	Taking Up of Existing Underlayer to +2.5	3		100	11NOV04 A	13NOV04 A	11NOV04 A	13NOV04 A
A9LSMA0600	Taking Up of Existing Rubble to +2.5	3		100	17NOV04 A	19NOV04 A	17NOV04 A	19NOV04 A
A9LSMA0610	Taking Up of Existing Armour Below +2.5	3		100	24NOV04 A	27NOV04 A	24NOV04 A	27NOV04 A
A9LSMA0620	Taking Up of Underlayer Below +2.5	3		100	05DEC04 A	08DEC04 A	05DEC04 A	08DEC04 A



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Finish date	06OCT07
Data date	28JUL05
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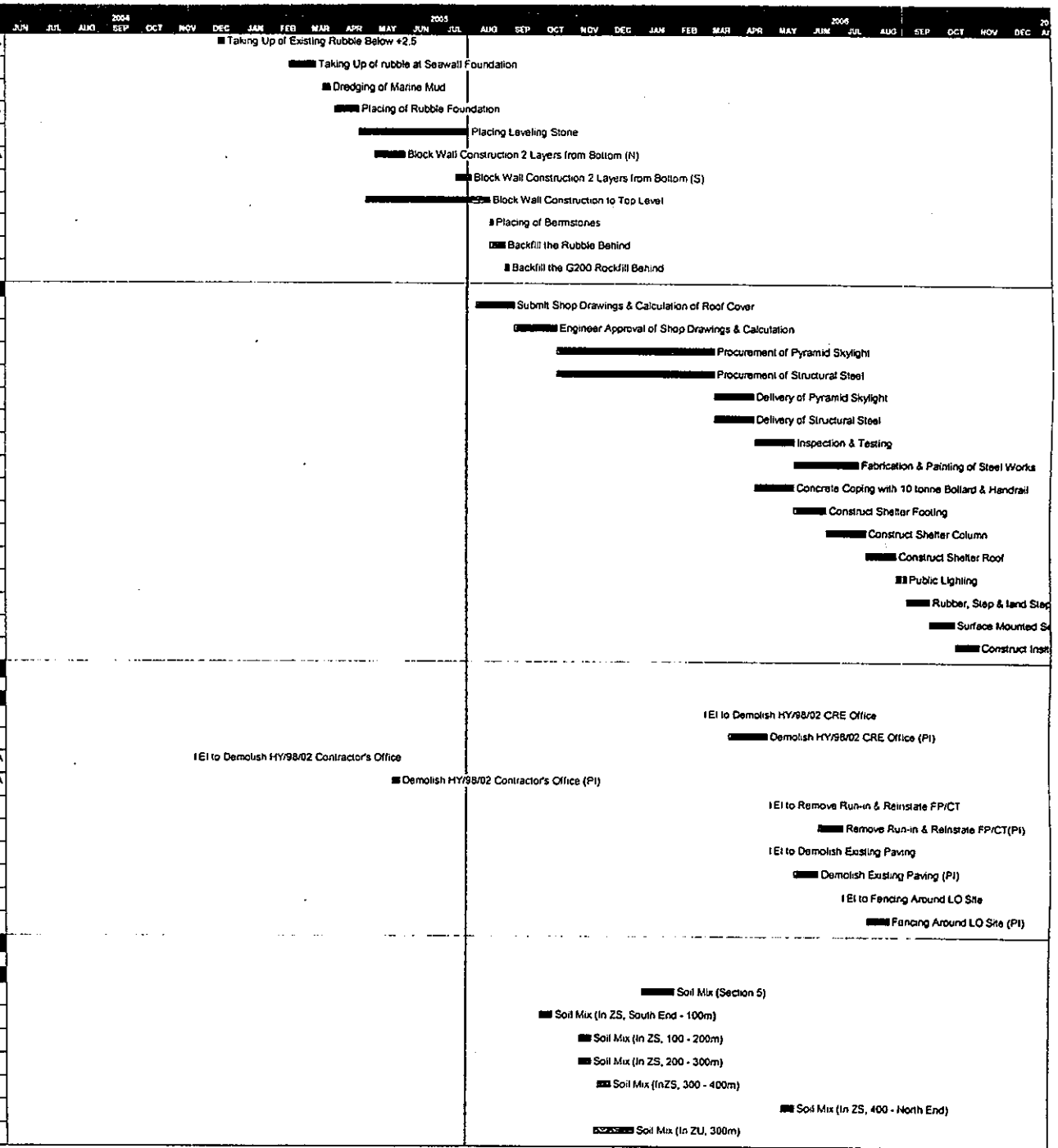
Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
A9LSMA0630	Taking Up of Existing Rubble Below +2.5	5		100	13DEC04 A	18DEC04 A	13DEC04 A	18DEC04 A
A9LSMA0640	Taking Up of rubble at Seawall Foundation	13		100	16FEB05 A	11MAR05 A	16FEB05 A	11MAR05
A9LSMA0700	Dredging of Marine Mud	20		100	18MAR05 A	24MAR05 A	18MAR05	24MAR05
A9LSMA0800	Placing of Rubble Foundation	15		100	29MAR05 A	19APR05 A	29MAR05	19APR05 A
A9LSMA0830	Placing Leveling Stone	23		100	20APR05 A	28JUL05	20APR05 A	28JUL05
A9LSMA0850	Block Wall Construction 2 Layers from Bottom (N)	5		100	04MAY05 A	31MAY05 A	04MAY05 A	31MAY05 A
A9LSMA0900	Block Wall Construction 2 Layers from Bottom (S)	5	-17d	50	17JUL05 A	30JUL05	17JUL05 A	13JUL05
A9LSMA0910	Block Wall Construction to Top Level	50	235d	65	26APR05 A	16AUG05	26APR05 A	08APR06
A9LSMA0920	Placing of Bermstones	3	235d	0	17AUG05	19AUG05	09APR06	11APR06
A9LSMA1000	Backfill the Rubble Behind	14	235d	0	17AUG05	30AUG05	09APR06	22APR06
A9LSMA1100	Backfill the G200 Rockfill Behind	4	235d	0	31AUG05	03SEP05	23APR06	26APR06
Land Works								
A9LSLW0100	Submit Shop Drawings & Calculation of Roof Cover	30	9d	0	05AUG05	08SEP05	16AUG05	20SEP05
A9LSLW0200	Engineer Approval of Shop Drawings & Calculation	30	9d	0	09SEP05	17OCT05	21SEP05	27OCT05
A9LSLW0400	Procurement of Pyramid Skylight	120	81d	0	18OCT05	10MAR06	23JAN06	16JUN06
A9LSLW0500	Procurement of Structural Steel	120	9d	0	18OCT05	10MAR06	28OCT05	21MAR06
A9LSLW0600	Delivery of Pyramid Skylight	30	61d	0	11MAR06	15APR06	17JUN06	22JUL06
A9LSLW0700	Delivery of Structural Steel	30	9d	0	11MAR06	15APR06	22MAR06	26APR06
A9LSLW0800	Inspection & Testing	30	9d	0	17APR06	22MAY06	27APR06	02JUN06
A9LSLW0900	Fabrication & Painting of Steel Works	48	51d	0	23MAY06	19JUL06	24JUL06	18SEP06
A9LSLW1000	Concrete Coping with 10 tonne Bollard & Handrail	30	9d	0	17APR06	22MAY06	27APR06	02JUN06
A9LSLW1100	Construct Shelter Footing	24	9d	0	23MAY06	20JUN06	03JUN06	30JUN06
A9LSLW1200	Construct Shelter Column	30	45d	0	21JUN06	26JUL06	14AUG06	18SEP06
A9LSLW1300	Construct Shelter Roof	24	45d	0	27JUL06	23AUG06	18SEP06	18OCT06
A9LSLW1400	Public Lighting	8	45d	0	24AUG06	01SEP06	17OCT06	25OCT06
A9LSLW1500	Rubber, Step & land Step Fender	18	45d	0	02SEP06	22SEP06	26OCT06	16NOV06
A9LSLW1600	Surface Mounted Seats	18	45d	0	23SEP06	14OCT06	17NOV06	07DEC06
A9LSLW1700	Construct Insitu Concrete Paving	18	45d	0	16OCT06	06NOV06	08DEC06	28DEC06
Section 10								
Remainder Works								
Miscellaneous works								
B0RWMW0100	El to Demolish HY/98/02 CRE Office	1	107d	0	03MAR06	03MAR06	11JUL06	11JUL06
B0RWMW0200	Demolish HY/98/02 CRE Office (PI)	30	107d	0	25MAR06	29APR06	02AUG06	05SEP06
B0RWMW0300	El to Demolish HY/98/02 Contractor's Office	1		100	22NOV04 A	22NOV04 A	22NOV04 A	22NOV04 A
B0RWMW0400	Demolish HY/98/02 Contractor's Office (PI)	30		100	21MAY05 A	27MAY05 A	21MAY05 A	27MAY05 A
B0RWMW0500	El to Remove Run-in & Reinstate FP/CT	1	129d	0	02MAY06	02MAY06	02OCT06	02OCT06
B0RWMW0600	Remove Run-in & Reinstate FP/CT(PI)	18	111d	0	15JUN06	06JUL06	26OCT06	15NOV06
B0RWMW0700	El to Demolish Existing Paving	1	107d	0	02MAY06	02MAY06	06SEP06	06SEP06
B0RWMW0800	Demolish Existing Paving (PI)	18	107d	0	24MAY06	14JUN06	28SEP06	19OCT06
B0RWMW0900	El to Fencing Around LO Site	1	111d	0	07JUL06	07JUL06	16NOV06	16NOV06
B0RWMW1000	Fencing Around LO Site (PI)	18	111d	0	29JUL06	18AUG06	08DEC06	28DEC06
Section 11								
Area SA6, SA11B & SA14								
Landscape Soilworks								
B1AASL0100	Soil Mix (Section 5)	24	-105d	0	05JAN06	03FEB06	30AUG05	27SEP05
B1AASL0200	Soil Mix (In ZS, South End - 100m)	10	-16d	0	04OCT05	15OCT05	13SEP05	24SEP05
B1AASL0300	Soil Mix (In ZS, 100 - 200m)	10	-46d	0	09NOV05	19NOV05	13SEP05	24SEP05
B1AASL0400	Soil Mix (In ZS, 200 - 300m)	10	-6d	0	09NOV05	19NOV05	02NOV05	12NOV05
B1AASL0500	Soil Mix (InZS, 300 - 400m)	10	-21d	0	26NOV05	07DEC05	02NOV05	12NOV05
B1AASL0600	Soil Mix (In ZS, 400 - North End)	10	-129d	0	13MAY06	24MAY06	07DEC05	17DEC05
B1AASL0700	Soil Mix (In ZU, 300m)	30	-26d	0	23NOV05	29DEC05	24OCT05	26NOV05



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Finish date	06OCT07
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Early bar
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Summary bar
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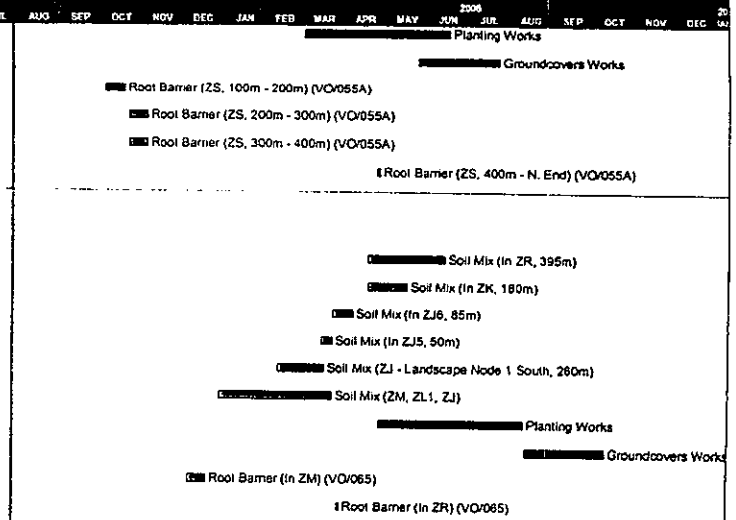
Finish milestone point

Leader - Wai Kee (C&T) Joint Venture
TP37/03 - Revised Works Programmme - RP03

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
B4AASL0800	Planting Works	90	-129d	0	02MAR06	17JUN06	26SEP05	12JAN06
B1AASL0900	Groundcovers Works	50	-129d	0	25MAY06	24JUL06	19DEC05	18FEB06
B1AASL1000	Root Barrier (ZS, 100m - 200m) (VO/055A)	12	-28d	0	04OCT05	18OCT05	30AUG05	12SEP05
B1AASL1100	Root Barrier (ZS, 200m - 300m) (VO/055A)	12	-3d	0	22OCT05	04NOV05	19OCT05	01NOV05
B1AASL1200	Root Barrier (ZS, 300m - 400m) (VO/055A)	12	-3d	0	22OCT05	04NOV05	19OCT05	01NOV05
B1AASL1300	Root Barrier (ZS, 400m - N. End) (VO/055A)	2	-116d	0	25APR06	26APR06	05DEC05	06DEC05
Section 12								
Area SA7, SA10, SA11A, SA12 & SA13								
Landscape Softworks								
B2ABSL0100	Soil Mix (In ZR, 395m)	47	21d	0	19APR06	14JUN06	15MAY06	10JUL06
B2ABSL0200	Soil Mix (In ZK, 180m)	24	28d	0	19APR06	17MAY06	23MAY06	20JUN06
B2ABSL0300	Soil Mix (In ZJ6, 65m)	12	37d	0	24MAR06	07APR06	09MAY06	22MAY06
B2ABSL0400	Soil Mix (In ZJ5, 50m)	7	37d	0	16MAR06	23MAR06	29APR06	08MAY06
B2ABSL0500	Soil Mix (ZJ - Landscape Node 1 South, 260m)	30	54d	0	11FEB06	17MAR06	17APR06	22MAY06
B2ABSL0600	Soil Mix (ZM, ZL1, ZJ)	71	49d	0	29DEC05	23MAR06	27FEB06	22MAY06
B2ABSL0700	Planting Works	90	21d	0	27APR06	12AUG06	23MAY06	06SEP06
B2ABSL0800	Groundcovers Works	50	21d	0	14AUG06	11OCT06	07SEP06	06NOV06
B2ABSL0900	Root Barrier (In ZM) (VO/065)	12	55d	0	06DEC05	19DEC05	13FEB06	25FEB06
B2ABSL1000	Root Barrier (In ZR) (VO/065)	2	37d	0	28MAR06	29MAR06	12MAY06	13MAY06
Section 13								
Area SA1, SA2, SA3, SA4 & SA5								
Landscape Softworks								
B3ACSL0100	Soil Mix (Area SA1 - South Section)	30	164d	0	08FEB06	14MAR06	23AUG06	26SEP06
B3ACSL0200	Soil Mix (Area SA1 - North Section)	30	136d	0	13MAR06	17APR06	23AUG06	26SEP06
B3ACSL0300	Soil Mix (Car Park, Loading & Unloading Area)	6	109d	0	26JUN06	03JUL06	03NOV06	09NOV06
B3ACSL0400	Soil Mix (Area Adjacent Road SL3)	30	81d	0	18MAY06	22JUN06	23AUG06	26SEP06
B3ACSL0500	Planting Works	60	81d	0	23JUN06	01SEP06	27SEP06	07DEC06
B3ACSL0600	Planting Works (Car Park,Loading/Unloading Area)	6	143d	0	04JUL06	10JUL06	20DEC06	26DEC06
Area SA8, SA9, SA15, SA16, SA17 & SA18								
Landscape Softworks								
B3ADSL0100	Planting Works	45	107d	0	24MAY06	17JUL06	28SEP06	21NOV06
B3ADSL0200	Groundcovers Works	30	107d	0	18JUL06	21AUG06	22NOV06	26DEC06
Section 14								
Area SA6, SA11B & SA14								
Establishment Works								
B4AAEW0100	Establishment Works	300	-124d	0	25JUL06	18JUL07	25FEB06	17FEB07
Section 15								
Area SA7, SA10, SA11A, SA12 & SA13								
Establishment Works								
B5ABEW0100	Establishment Works	300	25d	0	12OCT06	06OCT07	11NOV06	06NOV07
Section 16								
Area SA1, SA2, SA3, SA4 & SA5								
Establishment Works								
B6ACEW0200	Establishment Works	320	81d	0	02SEP06	19SEP07	08DEC06	26DEC07
Area SA8, SA9, SA15, SA16, SA17 & SA18								
Establishment Works								
B6ADEW0100	Establishment Works	300	111d	0	22AUG06	15AUG07	02JAN07	26DEC07



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Finish date	06OCT07
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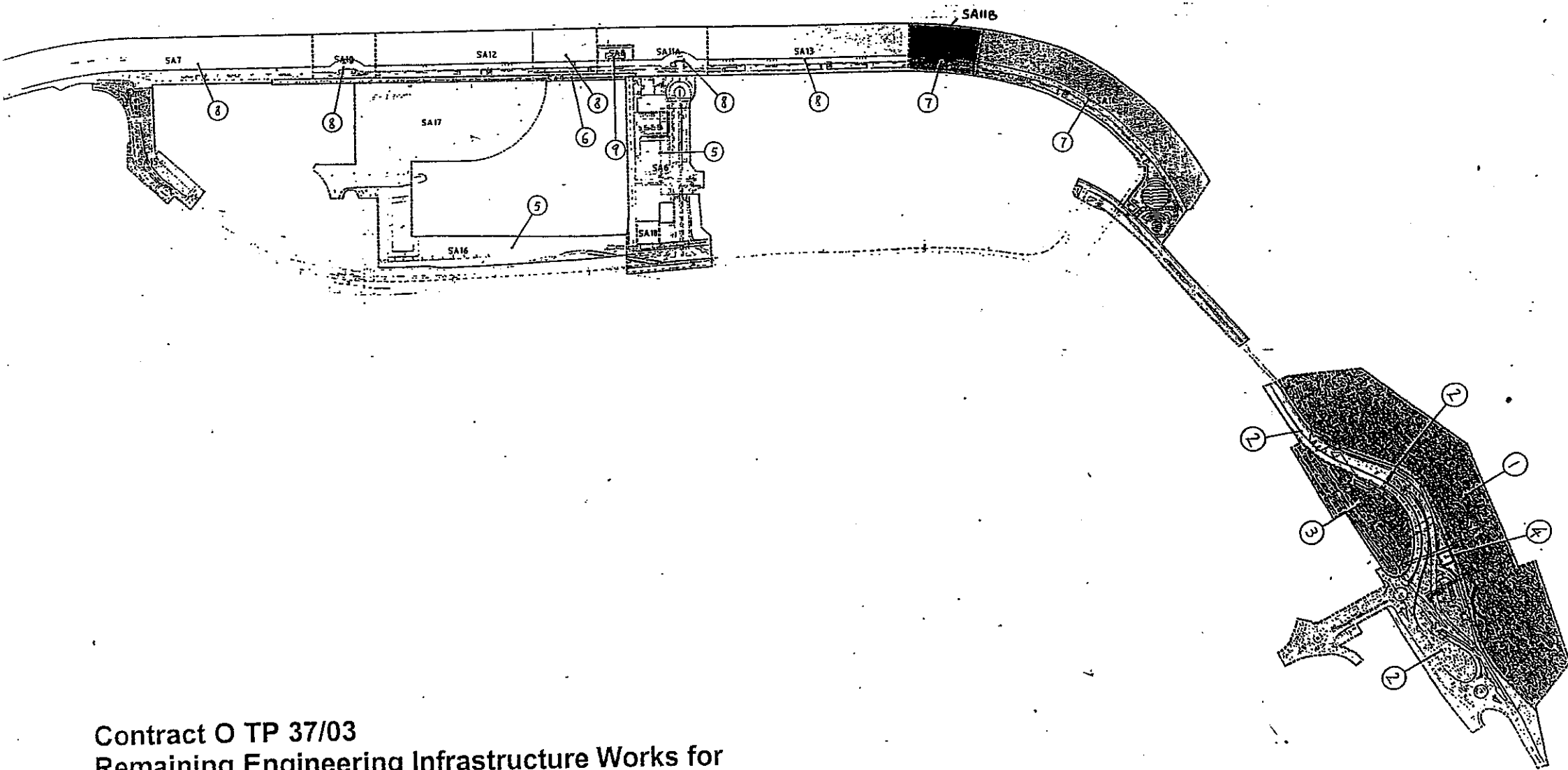
Appendix G

Construction Site Area



Contract O TP 37/03
Remaining Engineering Infrastructure Works for
Pak Shek Kok Development Package 2A

Location and Key Pan

Appendix H

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

東嶺德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Inspection Date : 6 October 2005 Inspected by Name : (RSS) SUNNY YEUNG (LWKJV) (ET) H.T. Chow
Time : 15:30 Signature :

Weather Condition : Sunny / Fine / Overcast / Drizzle / Rain / Storm / Hazy
Wind : Calm / Light / Breeze / Strong
Temperature :
Humidity : High / Moderate / Low

Mitigation Measures on Waste Management	Implementation Stages* Yes	No	N/A	Remark
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.	✓			
▪ 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.	✓			
▪ Open burning should be prohibited.				
Noise	✓			
▪ 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.				

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	Yes	No	N/A	
Water Quality				
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.	✓			
▪ 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 $50m^3$ 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.	✓			
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.			✓	
▪ 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.			✓	
▪ Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.			✓	

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	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 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.			✓	
Waste Management				
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.			✓	
• 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^3 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.			✓	
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.	✓			
• 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.	✓			
• Proper resource planning and calculations before ordering the construction materials to be used will ensure that the wastage of the materials can be minimized	✓			

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	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.	✓			
• 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 complied 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.	✓			
• 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	✓			
• 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				
◦ Be clearly labeled and used solely for the storage of chemical waste	✓			
◦ Be enclosed on at least 3 sides	✓			
◦ 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	✓			
◦ 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			✓	
◦ Be a reuser of the waste, under approval from the EPD			✓	

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	Yes	No	N/A	
• **Spillage**				
• 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			✓	
• 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		✓		(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 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.	✓			
• 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.	✓			
• 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 cleaned and maintained regularly.		✓		(3)

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
#1	Follow up to previous site inspection on 22 and 28 September 2005, silt and mud in U-channel were removed.	Ma Liu Shui	N/A	N/A
Remark ①	The rubbish skip was found full load	Road L4	The Contractor was reminded to keep the rubbish skip clear and clean up more frequently.	13-10-05
Remark ②	Oily water was accumulated in drip tray of generator.	Road L4 and SA14	The Contractor was reminded to remove the oily water to prevent mosquito breeding and land contamination.	13-10-05
Remark ③	No drip tray provided for diesel tank and oil pump.	Workshop Area (beside L4)	The Contractor was reminded to provide drip tray for all fuel tank and oil pump.	13-10-05

	RSS	LWKJV	ET
Signature:			
Name:	SUNNY YEUNG	Ben Yip	H. T. Chan
Date:	6/10/05	6/10/05	6 - 10 - 2005

東業德鈞測試顧問有限公司
ETS-TESTCONSULT LIMITED

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Inspection Date : 13 October 2005 Inspected by Name : (RSS) [illegible] (LWKJV) [illegible] (ET) H.T. Chow
Time : 09:30 Signature :

Weather Condition : (Sunny) / Fine / Overcast / Drizzle / Rain / Storm / Hazy
Wind : Calm / (Light) / Breeze / Strong
Temperature : 29°C
Humidity : High / Moderate / (Low)

Mitigation Measures on Waste Management	Implementation Stages* Yes	No	N/A	Remark
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.	✓			
▪ 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.		✓		(1)
▪ 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.	✓			
▪ Open burning should be prohibited.	✓			
Noise				
▪ 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.			✓	

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	Yes	No	N/A	
Water Quality				
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.	✓			
▪ 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 $50m^3$ 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.	✓			
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.			✓	
▪ 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.			✓	
▪ Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.			✓	

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	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 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.	✓			
Waste Management				
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.			✓	
• 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^3 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.			✓	
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.	✓			
• 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.	✓			
• Proper resource planning and calculations before ordering the construction materials to be used will ensure that the wastage of the materials can be minimized	✓			

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	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.	✓			
• 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 complied 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.	✓			
• 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	✓			
• 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				
• Be clearly labeled and used solely for the storage of chemical waste	✓			
• Be enclosed on at least 3 sides	✓			
• 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	✓			
• 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	✓			
• Be a reuser of the waste, under approval from the EPD	✓			

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	Yes	No	N/A	
• **Spillage**				
• 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			✓	
• 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.			✓	
• 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.	✓			
• 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 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
#1	Follow up to previous site inspection on 6 October 2005, the rubbish skip was cleaned out by Contractor.	Road L4	Follow up action was completed no further action to be taken.	N/A
#2	Follow up to previous site inspection on 6 October 2005 item ②, no oily water was found in drip tray.	SA 14 and Road L4	✓	N/A
#3	Drip tray for diesel tank and oil pump was provided.	Work shop Area	✓	N/A
Remark ①	The haul road at "Node 1" was dry and dusty.	Node 1	The Contractor should water the haul road and unpaved area more frequently to avoid dust generation.	20 October 2005
Remark ②	Fuel containers were not covered and drip tray provided.	Workshop area and SA 14	The Contractor was reminded to remove the fuel containers in safety storage area and don't expose those to direct sunlight shining.	20 October 2005

	RSS	LWKJV	ET
Signature:	✓		
Name:	Read Lo	Ben Yip	H. T. Chow
Date:	13/10/05	13/10/05	13 - 10 - 2005

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Inspection Date : 20 October 2015 Inspected by Name : (RSS) Eric Leung (LWKJV) [signature] (ET) H. T. Chow
Time : 10:15 Signature : [signature] [signature] [signature]

Weather Condition : (Sunny) / Fine / Overcast / Drizzle / Rain / Storm / Hazy
Wind : Calm / (Light) / Breeze / Strong
Temperature : 28 °C
Humidity : High / (Moderate) / Low

Mitigation Measures on Waste Management	Implementation Stages* Yes	No	N/A	Remark
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.	✓			
▪ 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.	✓			
▪ 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.		✓		(3)
▪ Vehicle and equipment should be switched off while not in use.	✓			
▪ Open burning should be prohibited.	✓			
Noise				
▪ 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.			✓	

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	Yes	No	N/A	
Water Quality				
General Construction Activities				
▪ Temporary ditches shall be provided to facilitate runoff discharge into appropriate watercourses, via a sediment trap / sedimentation tanks, prior to discharge.		✓		(2)
▪ 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 $50m^3$ 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.	✓			
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.			✓	
▪ 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.			✓	
▪ Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.			✓	

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	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 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.			✓	
Waste Management				
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.			✓	
• 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^3 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.			✓	
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.	✓			
• 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.	✓			
• Proper resource planning and calculations before ordering the construction materials to be used will ensure that the wastage of the materials can be minimized	✓			

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	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.	✓			
• 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 complied 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.	✓			
• 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	✓			
• 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				
• Be clearly labeled and used solely for the storage of chemical waste	✓			
• Be enclosed on at least 3 sides	✓			
• 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	✓			
• 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	✓			
• Be a reuser of the waste, under approval from the EPD	✓			

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	Yes	No	N/A	
• **Spillage**				
• 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			✓	
• 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.			✓	
• 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.	✓			
• 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 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
#1	Follow up to previous site inspection item ① on 13 October 2005, water sprays have been provided on the haul road in "Node 1" and no dust was observed during the weekly site inspection.	Node 1	Follow up action was completed, no further action to be taken.	N/A
#2	Follow up to previous site inspection item ② on 13 October 2005, all fuel containers were removed to adequate storage area.	Workshop Area and SA14	-	N/A
Remark ①	Stockpile was found exposed on "Node 3".	Node 3	The Contractor was reminded to covered the stockpile with tarpaulin sheet.	27-10-2005
Remark ②	Standing water was accumulated in planter wall.	SA14	The Contractor was reminded to provide temporary watercourses to discharge standing water.	27-10-2005
Remark ③	Black smoke was found emitted from the excavator "E2".	Node 3	The Contractor was reminded to repair the plant avoid black smoke emission.	27-10-2005

	RSS	LWKJV	ET
Signature:			
Name:	Eric Leung	Ben Tse	H. T. Chow
Date:	20-10-2005	20/10/05	20-10-2005

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Inspection Date : 26/10/05 Inspected by Name : (RSS) Ricci Lo (LWKJV) Ben Yip (ET) Linda Law
Time : 14:30 Signature : Linda Law

Weather
Condition : (Sunny) / Fine / Overcast / Drizzle / Rain / Storm / Hazy Temperature : 25
Wind : Calm (Light) / Breeze / Strong Humidity : High / (Moderate) / Low

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	Yes	No	N/A	
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.	✓			
• 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.	✓			
• Open burning should be prohibited.	✓			
Noise				
• 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.	✓			

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	Yes	No	N/A	
Water Quality				
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.	✓			
▪ 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 $50m^3$ 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.	✓			
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.			✓	
▪ 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.			✓	
▪ Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.			✓	

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	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 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.			✓	
Waste Management				
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.			✓	
• 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^3 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.			✓	
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.	✓			
• 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.	✓			
• Proper resource planning and calculations before ordering the construction materials to be used will ensure that the wastage of the materials can be minimized	✓			

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	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.	✓			
• 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 complied 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.	✓			
• 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	✓			
• 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				
• Be clearly labeled and used solely for the storage of chemical waste	✓			
• Be enclosed on at least 3 sides	✓			
• 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	✓			
• 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	✓			
• Be a reuser of the waste, under approval from the EPD	✓			

SITE INSPECTION CHECKLIST ON THE IMPLEMENTATION OF ENVIRONMENTAL MITIGATION MEASRUES

Mitigation Measures on Waste Management	Implementation Stages*			Remark
	Yes	No	N/A	
• **Spillage**				
• 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			✓	
• 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.	✓			
• 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.	✓			
• 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 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
#①	Follow up to the previous site inspection finding item ① on 20/10/05, the stockpile was covered with tarpaulin sheet.	Node 3.	No Further action is required since the finding is completed.	N/A.
#②	Follow up to the previous site inspection finding item ③ on 20/10/05, no black smoke was observed emitted from the excavators and other site machines.	Node 3	No Furth action is required since the finding is completed	N/A
Remark ①	Silty water was found accumulated in the drainage channel.	Ma Liu Shui	The Contractor was reminded to divert the silty water to the sedimentation tank before discharge. Besides, the channel should be covered to prevent the sand splashed to the channel during up-loading.	03/11/05

	RSS	LWKJV	ET
Signature:			
Name:	Reeds L.	Zen Yip	Linda Law
Date:	21/10/05	26 Oct 05	26/10/05

Appendix I

IEC and RE Comments on Monthly EM&A Report
–
September 2005

IEC and RE Comments on Monthly Environmental Monitoring and Audit Report – September 2005

Item No.	Document Reference	Comment	ET Response
---	---	No RE and IEC comments were noticed.	No responses were required since no comments were noticed.

Appendix J

Wastewater Monitoring
–
Test Reports of Wastewater Samples from Discharge Points

ENVIRO LABS LIMITED

環境化驗有限公司

TEST REPORT

JOB NO.	:	A-05638			
DATE OF ISSUE	:	20 September 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 Yip

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 Shek Kok Development Package 2A, Pak Shek Kok, N.T. (Contract No. TP 37/03)
Preservation	:	Delivered and stored under refrigerated condition
Sampling Date & Time	:	15 Sep 2005 10:00
Received Date & Time	:	15 Sep 2005 10:15

3. Test Method

Parameter	*Reference Method*	*Testing Period*
(i) Total Suspended Solids (TSS) Dried at 103-105°C	APHA[1] 17e 2540 D	15 Sep 2005

1: APHA Standard Methods for the Examination of Water and Wastewater

4. Test Result*

Sample Label	*Test Parameter*	*Sample No.*	*Test Result*	*Discharge Limit* **	*Unit*
Ma Liu Shui voided abutment	Total Suspended Solids	05638-1	21	≤30	mg/L

* Test results relate only to the items received.
** Information provided by the client. *(It is not a test result, information for reference only).*

— END OF REPORT —

ENVIRO LABS LIMITED 環境化驗有限公司

APPROVED SIGNATORY : _____
Kenneth Lam
(Laboratory Manager)

Rm 611-612, Hong Leong Plaza, 33 Lok Yip Road, Fanling, N.T., Hong Kong
Tel: (852) 2676 2983
Fax: (852) 2676 2860
http://www.envirolabs.com.hk
e-mail: ell@envirolabs.com.hk

ENVIRO LABS LIMITED

環境化驗有限公司

TEST REPORT

JOB NO. : A-05512-1A

DATE OF ISSUE : 12 September 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 Yip

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 Shek Kok Development Package 2A, Pak Shek Kok, N.T. (Contract No. TP 37/03)
Preservation	:	Delivered and stored under refrigerated condition
Sampling Date & Time	:	30 Aug 2005 10:00
Received Date & Time	:	30 Aug 2005 11:45

3. Test Method

Parameter	*Reference Method*	*Testing Period*
(i) Total Suspended Solids (TSS) Dried at 103-105°C	APHA[1] 17e 2540 D	31 Aug 2005

1. APHA Standard Methods for the Examination of Water and Wastewater

4. Test Result*

Sample Label	*Test Parameter*	*Sample No.*	*Test Result*	*Discharge Limit* **	*Unit*
Rd. L4	Total Suspended Solids	05512-2	17	≤30	mg/L

* Test results relate only to the items received.
** Information provided by the client. *(It is not a test result, information for reference only).*

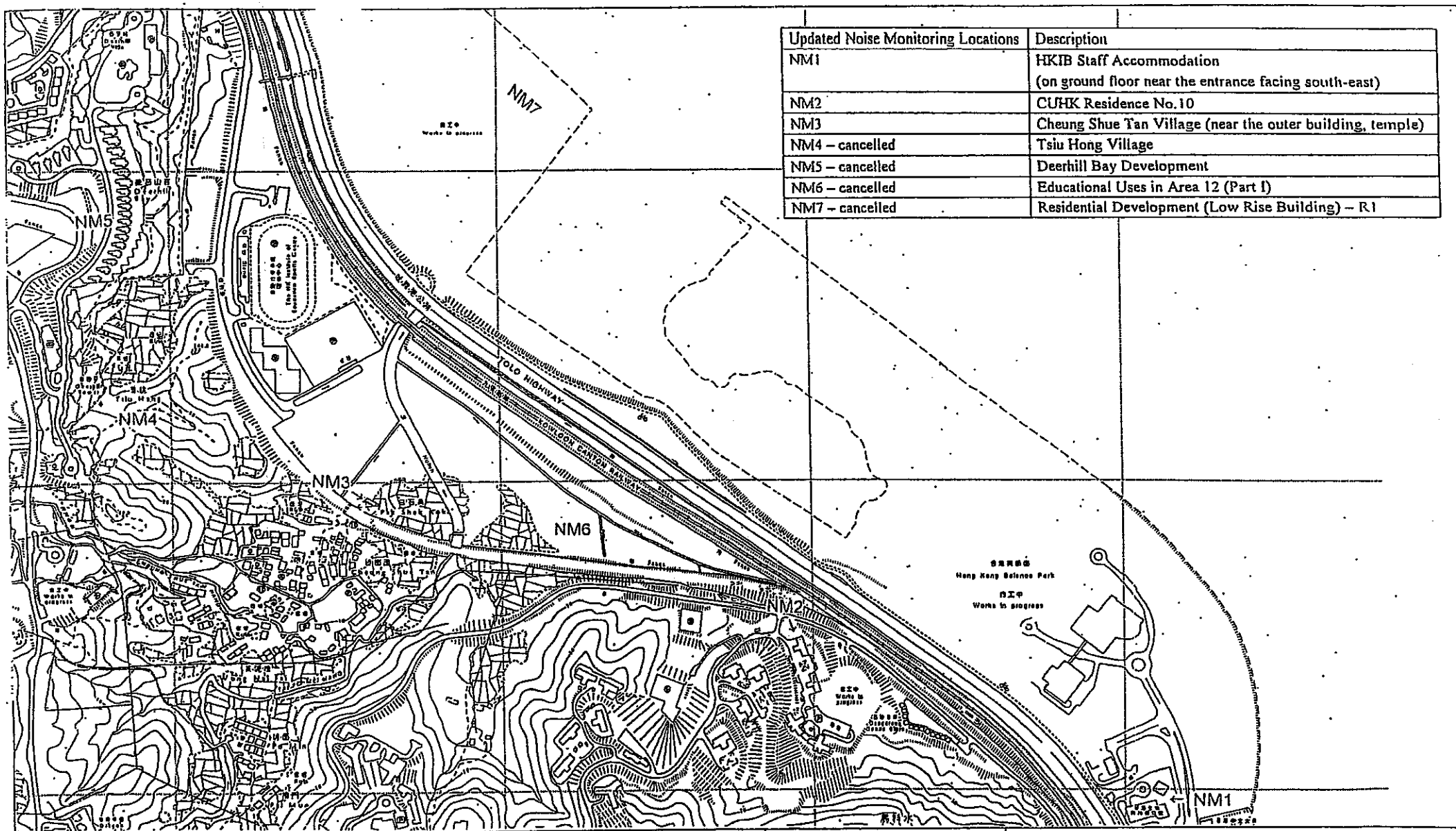
— END OF REPORT —

ENVIRO LABS LIMITED 環境化驗有限公司

APPROVED SIGNATORY : Kenneth Lam (Laboratory Manager)

Rm 611-612, Hong Leong Plaza, 33 Lok Yip Road, Fanling, N.T., Hong Kong
Tel: (852) 2676 2983 Fax: (852) 2676 2860
http://www.envirolabs.com.hk e-mail: ell@envirolabs.com.hk

Figures



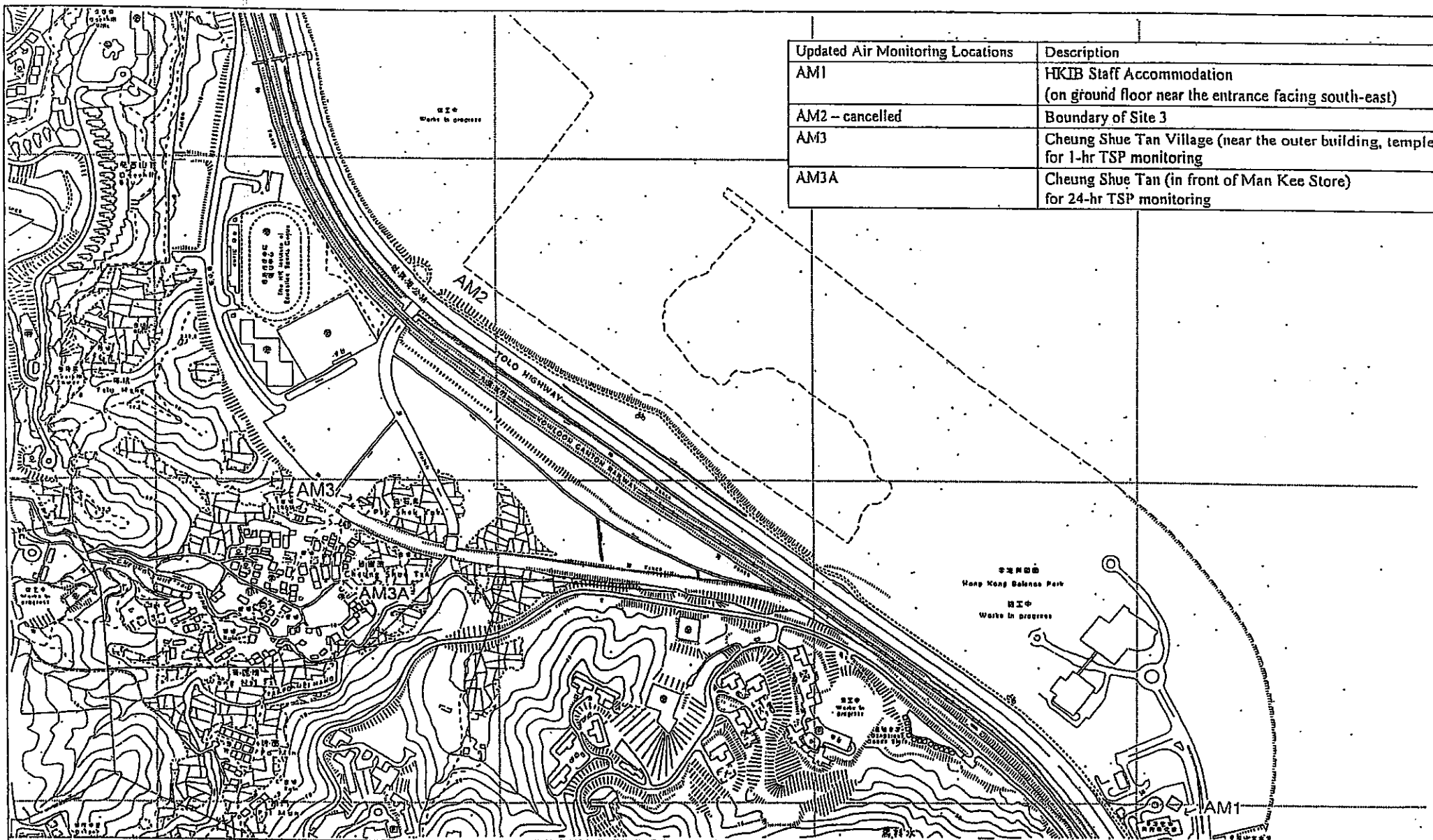
Updated Noise Monitoring Locations	Description
NM1	HKIB Staff Accommodation (on ground floor near the entrance facing south-east)
NM2	CUHK Residence No.10
NM3	Cheung Shue Tan Village (near the outer building, temple)
NM4 – cancelled	Tsiu Hong Village
NM5 – cancelled	Deerhill Bay Development
NM6 – cancelled	Educational Uses in Area 12 (Part I)
NM7 – cancelled	Residential Development (Low Rise Building) – R1

Remaining Engineering Infrastructure Works for
Pak Shek Kok Development Package 2A
Contract No. TP 37/03
Figure 1 Location of Noise Monitoring Stations

Scale : ---

Revised Date:
June 2004

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED



Updated Air Monitoring Locations	Description
AM1	HKIB Staff Accommodation (on ground floor near the entrance facing south-east)
AM2 – cancelled	Boundary of Site 3
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

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

Figure 2 Location of Air Monitoring Stations

Scale : ---

Revised Date:
June 2004

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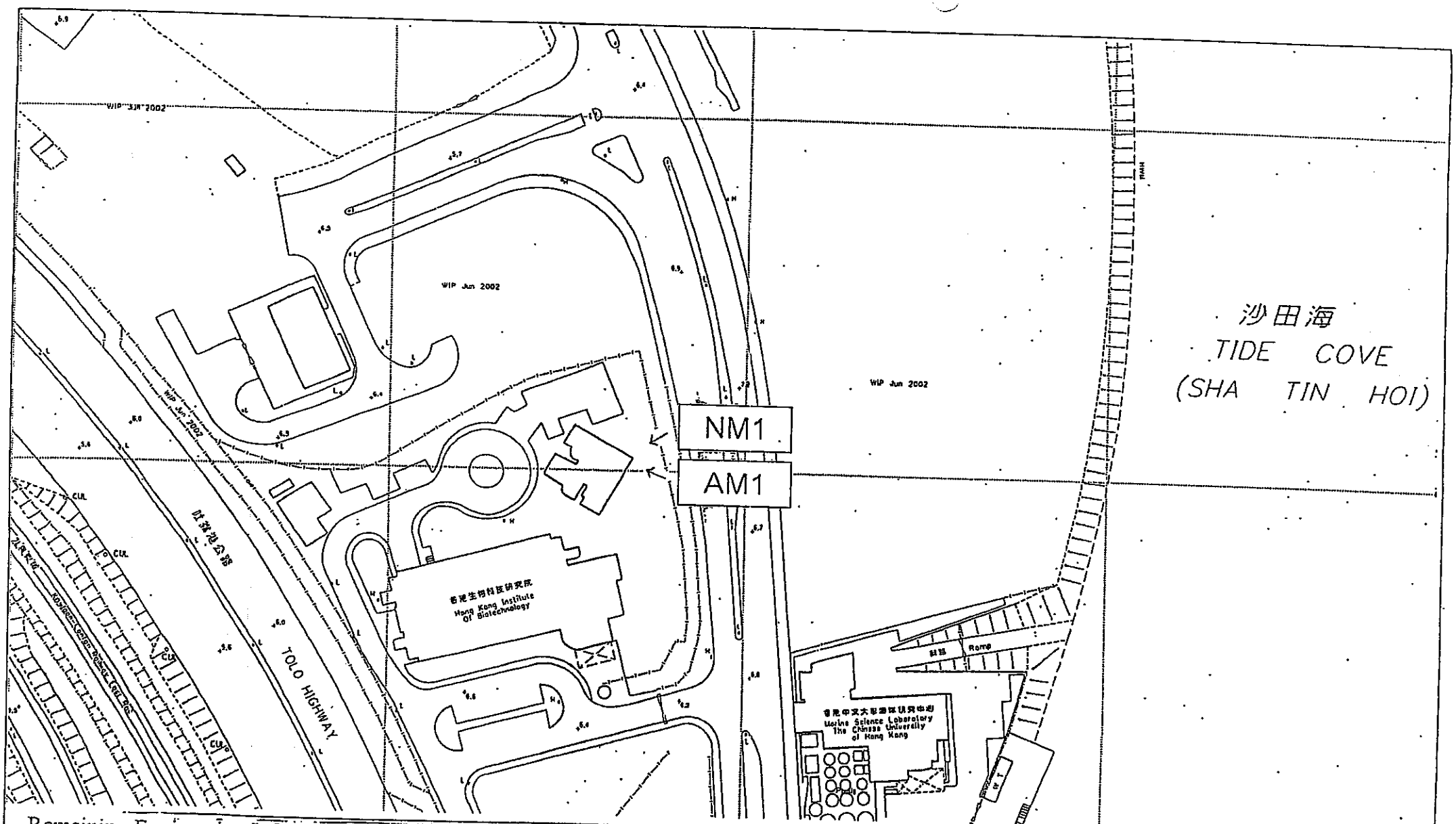

Remaining Engineering Infrastructure Works for
Pak Shek Kok Development Package 2A
Contract No. TP 37/03
Figure 3 Location of Air and Noise Monitoring Stations
at HKIB Staff Accommodation

Scale : ---

Revised Date:
June 2004

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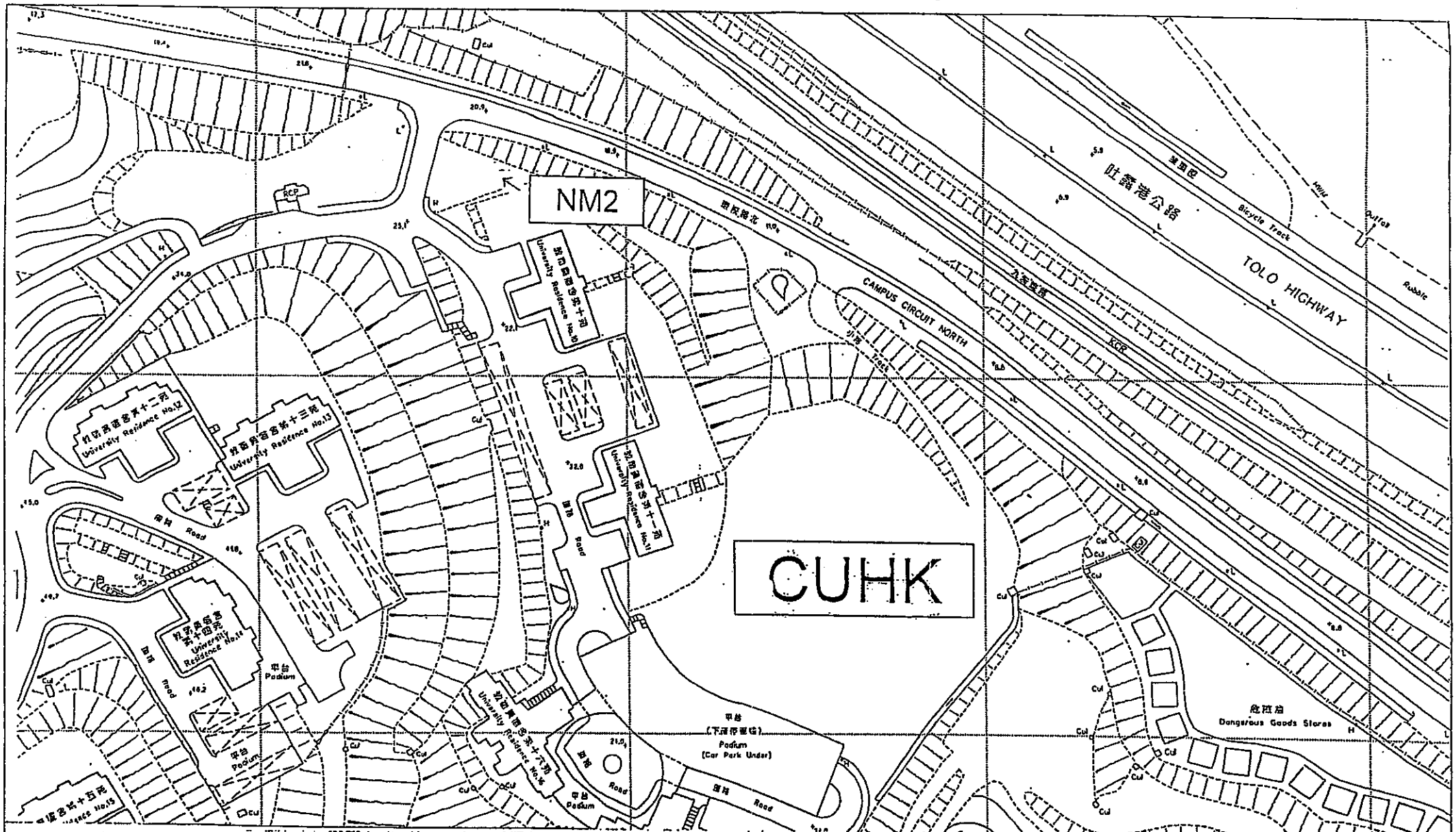

Remaining Engineering Infrastructure Works for
Pak Shek Kok Development Package 2A
Contract No. TP 37/03

Figure 4 Location of Noise Monitoring Station at CUHK Residence No.10

Scale : ---

Revised Date:
June 2004

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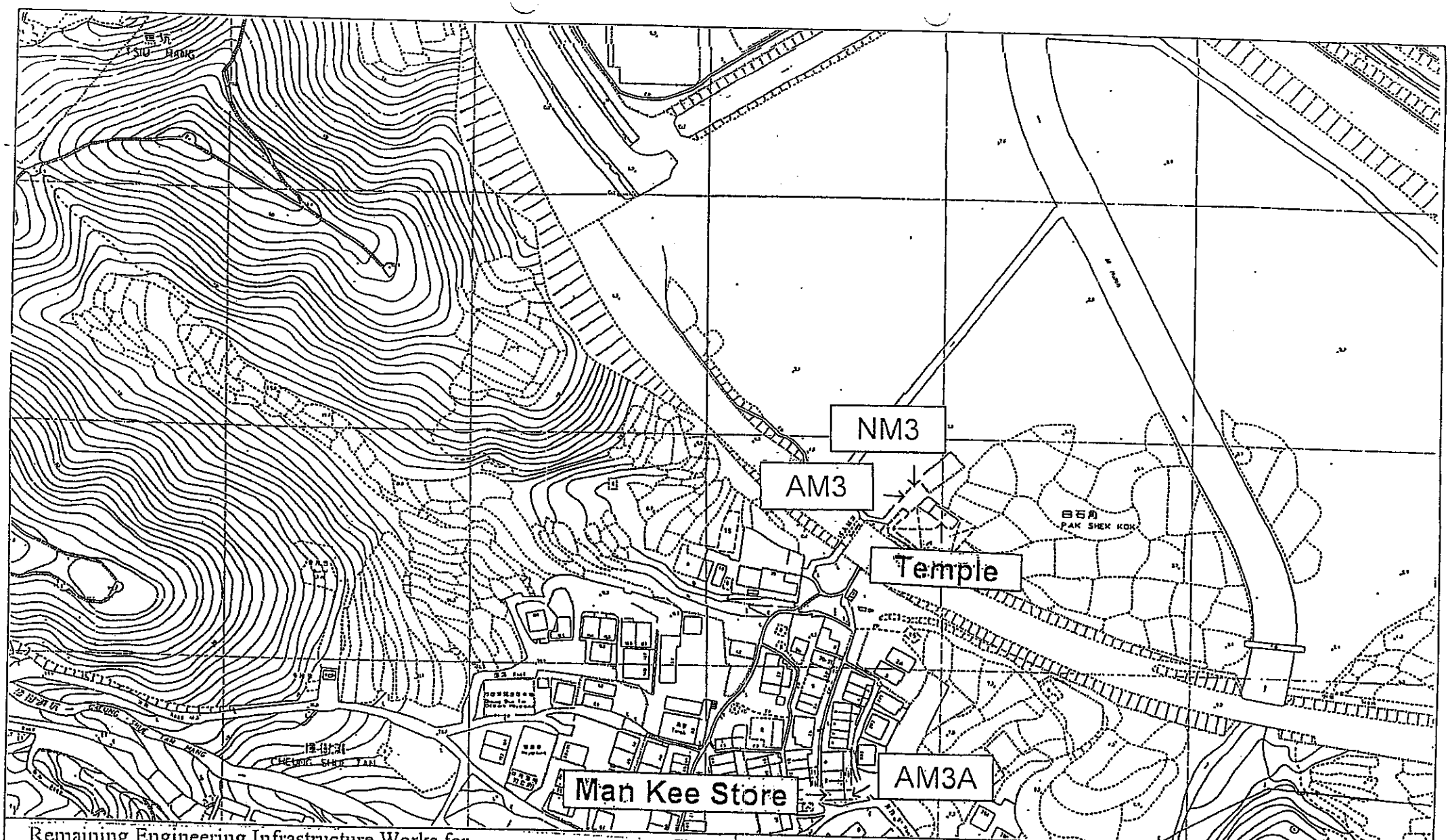

Remaining Engineering Infrastructure Works for
Pak Shek Kok Development Package 2 A
Contract No. TP 37/03
Figure 5 Location of Air and Noise Monitoring Stations
at Cheung Shue Tan Village

Scale : ---

Revised Date:
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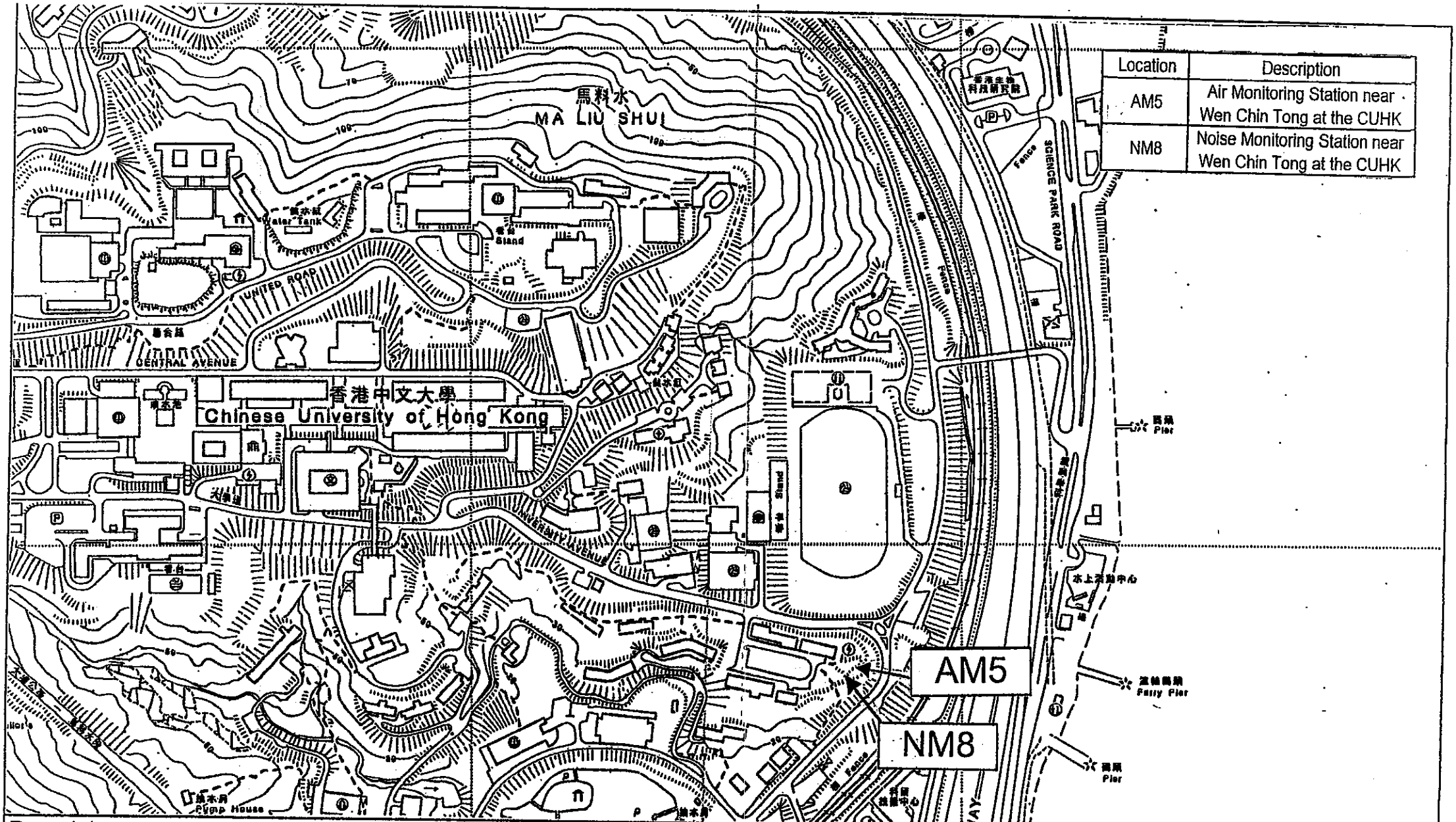

Location	Description
AM5	Air Monitoring Station near Wen Chin Tong at the CUHK
NM8	Noise Monitoring Station near Wen Chin Tong at the CUHK

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

Figure 7 Additional Locations of Air and Noise Monitoring Stations at the Chinese University of Hong Kong

Scale : ---

Revised Date : October 2004

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